



REPUBLIC OF NAMIBIA

FIFTH NATIONAL GHG INVENTORY REPORT NIR5 1990 - 2016

September 2020

PART 2



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Phone: +264612842701

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Produced by CLIMAGRIC LTD

Email: rnayamuth@climagric.com

Address : Le Bocage, Mount Ory, Moka
Mauritius

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Inventory Year: 1990 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-80,212.3	315.9	10.5	-	NE	NE	NE	NE	52.0	2,676.9	16.6	1.9
1 - Energy	1,044.2	2.2	8.5E-02	NA	NA	NA	NA	NA	10.4	46.6	6.5	1.9
1.A - Fuel Combustion Activities	1,044.2	2.2	8.5E-02	NA	NA	NA	NA	NA	10.4	46.6	6.5	1.9
1.A.1 - Energy Industries	21.4	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.4E-02	0.2
1.A.2 - Manufacturing Industries and Construction	99.1	9.1E-03	1.4E-03	NA	NA	NA	NA	NA	0.3	0.1	0.4	1.8E-02
1.A.3 - Transport	568.8	0.2	3.7E-02	NA	NA	NA	NA	NA	3.1	19.9	1.9	9.4E-03
1.A.4 - Other Sectors	347.1	1.9	2.7E-02	NA	NA	NA	NA	NA	6.5	26.2	4.2	1.6
1.A.5 - Non-Specified	7.8	4.1E-04	4.1E-04	NA	NA	NA	NA	NA	8.1E-02	1.9E-02	4.6E-03	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	20.4	NO	5.2E-03	-	NE	NE	NE	NE	NO	NO	0.5	NO
2.A - Mineral Industry	2.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-81,277.7	311.3	10.4	NA	NA	NA	NA	NA	41.4	2,627.3	9.5	NO
3.A - Livestock	NA	140.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.5	NA
3.A.1 - Enteric Fermentation	NA	137.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.5	NA
3.B - Land	-81,278.0	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-90,021.2	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	71.2	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	171.1	10.0	NA	NA	NA	NA	NA	41.4	2,627.3	NA	NA
3.C.1 - Emissions from biomass burning	NA	171.1	5.1	NA	NA	NA	NA	NA	41.4	2,627.3	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	0.8	2.4	7.1E-02	NA	NA	NA	NA	NA	0.2	3.0	0.1	5.9E-03
4.A - Solid Waste Disposal	NA	0.4	NO	NA	NA	NA	NA	NA	NO	NO	6.0E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.8	0.3	4.6E-03	NA	NA	NA	NA	NA	0.2	3.0	6.6E-02	5.9E-03

4.D - Wastewater Treatment and Discharge	NA	1.6	6.6E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	207.1	1.4E-02	5.6E-03	NA	NA	NA	NA	NA	3.8	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	62.9	4.4E-04	1.8E-03	NA	NA	NA	NA	NA	0.3	2.2E-02	1.0E-02	2.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	144.2	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,044.2	2.2	8.5E-02	10.4	46.6	6.5	1.9
1.A - Fuel Combustion Activities	1,044.2	2.2	8.5E-02	10.4	46.6	6.5	1.9
1.A.1 - Energy Industries	21.4	0.1	1.9E-02	0.4	0.4	3.4E-02	0.2
1.A.1.a - Main Activity Electricity and Heat Production	21.4	2.5E-04	3.3E-04	4.7E-02	2.0E-03	2.0E-04	0.2
1.A.1.a.i - Electricity Generation	21.4	2.5E-04	3.3E-04	4.7E-02	2.0E-03	2.0E-04	0.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	99.1	9.1E-03	1.4E-03	0.3	0.1	0.4	1.8E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	98.0	9.0E-03	1.4E-03	0.3	0.1	0.4	1.7E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.1	4.6E-05	9.2E-06	7.8E-03	1.0E-03	4.0E-04	7.0E-04
1.A.3 - Transport	568.8	0.2	3.7E-02	3.1	19.9	1.9	9.4E-03
1.A.3.a - Civil Aviation	12.0	8.5E-05	3.4E-04	2.4E-02	3.1	4.9E-02	3.9E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	12.0	8.5E-05	3.4E-04	2.4E-02	3.1	4.9E-02	3.9E-03
1.A.3.b - Road Transportation	526.6	0.2	2.5E-02	2.6	16.7	1.8	5.5E-03
1.A.3.b.i - Cars	168.3	7.5E-02	7.9E-03	0.5	4.3	0.5	2.1E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	53.9	2.4E-02	2.5E-03	0.2	1.4	0.2	7.0E-04
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	114.4	5.1E-02	5.3E-03	0.3	2.9	0.3	1.4E-03
1.A.3.b.ii - Light-duty trucks	273.7	0.1	1.3E-02	1.2	12.1	1.2	3.2E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	205.2	8.8E-02	9.6E-03	0.9	9.1	0.9	2.4E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	68.4	2.9E-02	3.2E-03	0.3	3.0	0.3	8.0E-04
1.A.3.b.iii - Heavy-duty trucks and buses	83.9	4.4E-03	4.4E-03	0.9	0.2	5.1E-02	2.0E-04
1.A.3.b.iv - Motorcycles	0.7	3.2E-04	3.1E-05	1.5E-03	0.1	2.9E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	30.2	1.7E-03	1.2E-02	0.5	0.1	4.5E-02	-
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	347.1	1.9	2.7E-02	6.5	26.2	4.2	1.6
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	100.5	1.8	2.5E-02	0.5	24.8	3.8	6.8E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	246.6	3.3E-02	2.0E-03	6.0	1.4	0.5	1.5
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	246.6	3.3E-02	2.0E-03	6.0	1.4	0.5	1.5
1.A.5 - Non-Specified	7.8	4.1E-04	4.1E-04	8.1E-02	1.9E-02	4.6E-03	-
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	7.8	4.1E-04	4.1E-04	8.1E-02	1.9E-02	4.6E-03	-

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	7.8	4.1E-04	4.1E-04	8.1E-02	1.9E-02	4.6E-03	-
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	207.1	1.4E-02	5.6E-03	3.8	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	62.9	4.4E-04	1.8E-03	0.3	2.2E-02	1.0E-02	2.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	144.2	1.3E-02	3.8E-03	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,215.5	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	20.4	-	2.6E-03	-	-	-	-	-	-	-	0.5	-
2.A - Mineral Industry	2.2	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	2.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	2.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	2.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-81,277.7	311.3	10.4	41.4	2,627.3	9.5
3.A - Livestock	NA	140.1	0.3	NA	NA	9.5
3.A.1 - Enteric Fermentation	NA	137.1	NA	NA	NA	NA
3.A.1.a - Cattle	NA	109.5	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	109.3	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	16.6	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.3	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	0.7	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.8E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.1	0.3	NA	NA	9.5
3.A.2.a - Cattle	NA	2.1	0.3	NA	NA	7.5
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.1	0.3	NA	NA	7.5
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.6
3.A.2.d - Goats	NA	0.3	NA	NA	NA	1.0
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	8.5E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	6.1E-02	NA	NA	NA	1.0E-01
3.A.2.h - Swine	NA	1.8E-02	-	NA	NA	9.8E-03
3.A.2.i - Poultry	NA	1.0E-02	4.3E-04	NA	NA	5.5E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-81,278.0	NA	NO	NO	NO	NO
3.B.1 - Forest land	-90,021.2	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-88,401.3	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	71.2	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	71.2	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	171.1	10.0	41.4	2,627.3	NO
3.C.1 - Emissions from biomass burning	-	171.1	5.1	41.4	2,627.3	NO
3.C.1.a - Biomass burning in forest lands	NA	170.4	5.0	40.1	2,605.8	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.8	7.0E-02	1.3	21.5	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.6	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	0.8	2.4	7.1E-02	0.2	3.0	0.1	5.9E-03
4.A - Solid Waste Disposal	-	0.4	-	-	-	6.0E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	6.0E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.8	0.3	4.6E-03	0.2	3.0	6.6E-02	5.9E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	0.8	0.3	4.6E-03	0.2	3.0	6.6E-02	5.9E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.6E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.2	6.6E-02	NO	NO	5.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.4	NA	NO	NO	4.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-80,212.3	315.9	10.5	-	NE	NE	NE	NE	52.0	2,676.9	16.6	1.9
1 - Energy	1,044.2	2.2	8.5E-02	NA	NA	NA	NA	NA	10.4	46.6	6.5	1.9
1.A - Fuel Combustion Activities	1,044.2	2.2	8.5E-02	NA	NA	NA	NA	NA	10.4	46.6	6.5	1.9
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	20.4	NO	5.2E-03	-	NE	NE	NE	NE	NO	NO	0.5	NO	NO
2.A - Mineral Industry	2.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.2E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.1	-	-
3 - Agriculture, Forestry, and Other Land Use	-81,277.7	311.3	10.4	NA	NA	NA	NA	NA	41.4	2,627.3	9.5	NO	NO
3.A - Livestock		140.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.5	-	-
3.B - Land	-81,278.0		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	171.1	10.0	NA	NA	NA	NA	NA	41.4	2,627.3	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	0.8	2.4	7.1E-02	NA	NA	NA	NA	NA	0.2	3.0	0.1	5.9E-03	5.9E-03
4.A - Solid Waste Disposal	NA	0.4	NO	NA	NA	NA	NA	NA	NO	NO	6.0E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	0.8	0.3	4.6E-03	NA	NA	NA	NA	NA	0.2	3.0	6.6E-02	5.9E-03	5.9E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.6E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	207.1	1.4E-02	5.6E-03	NA	NA	NA	NA	NA	3.8	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	62.9	4.4E-04	1.8E-03	NA	NA	NA	NA	NA	0.3	2.2E-02	1.0E-02	2.0E-02	2.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	144.2	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1991 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-81,912.2	315.5	10.5	-	NE	NE	NE	NE	51.1	2,556.7	17.4	2.1
1 - Energy	1,124.9	2.3	8.8E-02	NA	NA	NA	NA	NA	11.5	48.2	6.7	2.1
1.A - Fuel Combustion Activities	1,124.9	2.3	8.8E-02	NA	NA	NA	NA	NA	11.5	48.2	6.7	2.1
1.A.1 - Energy Industries	23.7	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.4E-02	0.3
1.A.2 - Manufacturing Industries and Construction	101.9	9.3E-03	1.4E-03	NA	NA	NA	NA	NA	0.3	0.1	0.4	1.9E-02
1.A.3 - Transport	614.1	0.2	4.0E-02	NA	NA	NA	NA	NA	3.4	20.9	2.0	9.9E-03
1.A.4 - Other Sectors	375.9	1.9	2.7E-02	NA	NA	NA	NA	NA	7.2	26.8	4.4	1.8
1.A.5 - Non-Specified	9.1	4.8E-04	4.8E-04	NA	NA	NA	NA	NA	9.6E-02	2.2E-02	5.5E-03	5.0E-05
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	20.4	NO	5.6E-03	-	NE	NE	NE	NE	NO	NO	0.5	NO
2.A - Mineral Industry	2.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-83,058.3	310.7	10.4	NA	NA	NA	NA	NA	39.5	2,505.4	10.0	NO
3.A - Livestock	NA	147.5	0.3	NA	NA	NA	NA	NA	NA	NA	10.0	NA
3.A.1 - Enteric Fermentation	NA	144.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.2	0.3	NA	NA	NA	NA	NA	NA	NA	10.0	NA
3.B - Land	-83,058.6	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-91,793.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	163.2	10.0	NA	NA	NA	NA	NA	39.5	2,505.4	NA	NA
3.C.1 - Emissions from biomass burning	NA	163.2	4.8	NA	NA	NA	NA	NA	39.5	2,505.4	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	0.9	2.5	7.3E-02	NA	NA	NA	NA	NA	0.2	3.1	0.1	6.1E-03
4.A - Solid Waste Disposal	NA	0.5	NO	NA	NA	NA	NA	NA	NO	NO	6.3E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	4.7E-03	NA	NA	NA	NA	NA	0.2	3.1	6.8E-02	6.1E-03

4.D - Wastewater Treatment and Discharge	NA	1.6	6.8E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	207.9	1.4E-02	5.6E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	64.8	4.5E-04	1.8E-03	NA	NA	NA	NA	NA	2.6E-02	2.3E-02	1.0E-02	2.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	143.1	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,124.9	2.3	8.8E-02	11.5	48.2	6.7	2.1
1.A - Fuel Combustion Activities	1,124.9	2.3	8.8E-02	11.5	48.2	6.7	2.1
1.A.1 - Energy Industries	23.7	0.1	1.9E-02	0.4	0.4	3.4E-02	0.3
1.A.1.a - Main Activity Electricity and Heat Production	23.7	2.7E-04	3.7E-04	5.2E-02	2.2E-03	2.6E-04	0.2
1.A.1.a.i - Electricity Generation	23.7	2.7E-04	3.7E-04	5.2E-02	2.2E-03	2.6E-04	0.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	101.9	9.3E-03	1.4E-03	0.3	0.1	0.4	1.9E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	100.8	9.2E-03	1.4E-03	0.3	0.1	0.4	1.8E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.1	4.8E-05	9.6E-06	8.2E-03	1.1E-03	4.0E-04	7.0E-04
1.A.3 - Transport	614.1	0.2	4.0E-02	3.4	20.9	2.0	9.9E-03
1.A.3.a - Civil Aviation	12.6	8.9E-05	3.6E-04	2.5E-02	3.1	5.0E-02	4.0E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	12.6	8.9E-05	3.6E-04	2.5E-02	3.1	5.0E-02	4.0E-03
1.A.3.b - Road Transportation	570.1	0.2	2.7E-02	2.8	17.6	1.9	5.9E-03
1.A.3.b.i - Cars	178.8	7.9E-02	8.4E-03	0.5	4.5	0.5	2.2E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	57.2	2.5E-02	2.7E-03	0.2	1.4	0.2	6.9E-04
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	121.6	5.3E-02	5.7E-03	0.4	3.1	0.4	1.5E-03
1.A.3.b.ii - Light-duty trucks	291.9	0.1	1.4E-02	1.3	12.8	1.2	3.4E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	218.9	9.3E-02	1.0E-02	1.0	9.6	0.9	2.6E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	73.0	3.1E-02	3.4E-03	0.3	3.2	0.3	8.6E-04
1.A.3.b.iii - Heavy-duty trucks and buses	98.7	5.2E-03	5.2E-03	1.0	0.2	6.0E-02	2.5E-04
1.A.3.b.iv - Motorcycles	0.7	3.4E-04	3.3E-05	1.6E-03	0.1	3.1E-02	1.0E-05
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	31.4	1.8E-03	1.2E-02	0.5	0.1	4.6E-02	5.0E-05
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	375.9	1.9	2.7E-02	7.2	26.8	4.4	1.8
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	100.2	1.9	2.5E-02	0.5	25.3	3.8	6.9E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	275.8	3.7E-02	2.2E-03	6.7	1.5	0.5	1.7
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	275.8	3.7E-02	2.2E-03	6.7	1.5	0.5	1.7
1.A.5 - Non-Specified	9.1	4.8E-04	4.8E-04	9.6E-02	2.2E-02	5.5E-03	5.0E-05
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	9.1	4.8E-04	4.8E-04	9.6E-02	2.2E-02	5.5E-03	5.0E-05

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	9.1	4.8E-04	4.8E-04	9.6E-02	2.2E-02	5.5E-03	5.0E-05
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	207.9	1.4E-02	5.6E-03	3.5	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	64.8	4.5E-04	1.8E-03	2.6E-02	2.3E-02	1.0E-02	2.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	143.1	1.3E-02	3.8E-03	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,228.6	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	20.4	-	2.8E-03	-	-	-	-	-	-	-	0.5	-
2.A - Mineral Industry	2.2	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	2.8E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	2.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	2.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-83,058.3	310.7	10.4	39.5	2,505.4	10.0
3.A - Livestock	NA	147.5	0.3	NA	NA	10.0
3.A.1 - Enteric Fermentation	NA	144.3	NA	NA	NA	NA
3.A.1.a - Cattle	NA	116.2	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	116.1	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	16.5	NA	NA	NA	NA
3.A.1.d - Goats	NA	10.0	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	0.7	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.7E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.2	0.3	NA	NA	10.0
3.A.2.a - Cattle	NA	2.2	0.3	NA	NA	8.0
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.2	0.3	NA	NA	8.0
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.6
3.A.2.d - Goats	NA	0.3	NA	NA	NA	1.1
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	8.4E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	6.1E-02	NA	NA	NA	1.0E-01
3.A.2.h - Swine	NA	1.7E-02	-	NA	NA	9.3E-03
3.A.2.i - Poultry	NA	1.0E-02	4.3E-04	NA	NA	5.4E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-83,058.6	NA	NO	NO	NO	NO
3.B.1 - Forest land	-91,793.9	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-90,174.0	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	163.2	10.0	39.5	2,505.4	NO
3.C.1 - Emissions from biomass burning	-	163.2	4.8	39.5	2,505.4	NO
3.C.1.a - Biomass burning in forest lands	NA	162.5	4.8	38.2	2,485.0	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.7	6.6E-02	1.2	20.4	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.9	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	0.9	2.5	7.3E-02	0.2	3.1	0.1	6.1E-03
4.A - Solid Waste Disposal	-	0.5	-	-	-	6.3E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	6.3E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	4.7E-03	0.2	3.1	6.8E-02	6.1E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	0.9	0.4	4.7E-03	0.2	3.1	6.8E-02	6.1E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.8E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.2	6.8E-02	NO	NO	5.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.4	NA	NO	NO	4.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-81,912.2	315.5	10.5	-	NE	NE	NE	NE	51.1	2,556.7	17.4	2.1
1 - Energy	1,124.9	2.3	8.8E-02	NA	NA	NA	NA	NA	11.5	48.2	6.7	2.1
1.A - Fuel Combustion Activities	1,124.9	2.3	8.8E-02	NA	NA	NA	NA	NA	11.5	48.2	6.7	2.1
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	20.4	NO	5.6E-03	-	NE	NE	NE	NE	NO	NO	0.5	NO	NO
2.A - Mineral Industry	2.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.6E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.1	-	-
3 - Agriculture, Forestry, and Other Land Use	-83,058.3	310.7	10.4	NA	NA	NA	NA	NA	39.5	2,505.4	10.0	NO	NO
3.A - Livestock		147.5	0.3	NA	NA	NA	NA	NA	NA	NA	10.0	-	-
3.B - Land	-83,058.6		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	163.2	10.0	NA	NA	NA	NA	NA	39.5	2,505.4	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	0.9	2.5	7.3E-02	NA	NA	NA	NA	NA	0.2	3.1	0.1	6.1E-03	6.1E-03
4.A - Solid Waste Disposal	NA	0.5	NO	NA	NA	NA	NA	NA	NO	NO	6.3E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	4.7E-03	NA	NA	NA	NA	NA	0.2	3.1	6.8E-02	6.1E-03	6.1E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.8E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	207.9	1.4E-02	5.6E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	64.8	4.5E-04	1.8E-03	NA	NA	NA	NA	NA	2.6E-02	2.3E-02	1.0E-02	2.1E-02	2.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	143.1	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1992 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-83,750.1	304.3	10.2	-	NE	NE	NE	NE	49.9	2,436.1	17.4	2.2
1 - Energy	1,198.4	2.3	9.1E-02	NA	NA	NA	NA	NA	12.2	49.5	6.9	2.2
1.A - Fuel Combustion Activities	1,198.4	2.3	9.1E-02	NA	NA	NA	NA	NA	12.2	49.5	6.9	2.2
1.A.1 - Energy Industries	26.0	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.4E-02	0.3
1.A.2 - Manufacturing Industries and Construction	104.8	9.4E-03	1.5E-03	NA	NA	NA	NA	NA	0.4	0.1	0.4	2.0E-02
1.A.3 - Transport	664.5	0.2	4.3E-02	NA	NA	NA	NA	NA	3.7	21.9	2.1	1.0E-02
1.A.4 - Other Sectors	392.3	1.9	2.8E-02	NA	NA	NA	NA	NA	7.6	27.1	4.4	1.9
1.A.5 - Non-Specified	10.7	5.7E-04	5.7E-04	NA	NA	NA	NA	NA	0.1	2.6E-02	6.4E-03	5.0E-05
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	21.0	NO	5.7E-03	-	NE	NE	NE	NE	NO	NO	0.6	NO
2.A - Mineral Industry	2.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.7E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.7E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-84,970.4	299.4	10.0	NA	NA	NA	NA	NA	37.5	2,383.3	9.8	NO
3.A - Livestock	NA	144.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.8	NA
3.A.1 - Enteric Fermentation	NA	141.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.8	NA
3.B - Land	-84,970.8	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-93,706.0	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	155.3	9.6	NA	NA	NA	NA	NA	37.5	2,383.3	NA	NA
3.C.1 - Emissions from biomass burning	NA	155.3	4.6	NA	NA	NA	NA	NA	37.5	2,383.3	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	0.9	2.6	7.3E-02	NA	NA	NA	NA	NA	0.2	3.2	0.1	6.3E-03
4.A - Solid Waste Disposal	NA	0.6	NO	NA	NA	NA	NA	NA	NO	NO	6.7E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	4.9E-03	NA	NA	NA	NA	NA	0.2	3.2	7.0E-02	6.3E-03

4.D - Wastewater Treatment and Discharge	NA	1.6	6.9E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	208.7	1.4E-02	5.6E-03	NA	NA	NA	NA	NA	3.8	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	66.7	4.7E-04	1.9E-03	NA	NA	NA	NA	NA	0.3	2.3E-02	1.1E-02	2.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	142.0	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,198.4	2.3	9.1E-02	12.2	49.5	6.9	2.2
1.A - Fuel Combustion Activities	1,198.4	2.3	9.1E-02	12.2	49.5	6.9	2.2
1.A.1 - Energy Industries	26.0	0.1	1.9E-02	0.4	0.4	3.4E-02	0.3
1.A.1.a - Main Activity Electricity and Heat Production	26.0	2.9E-04	4.1E-04	5.7E-02	2.5E-03	2.9E-04	0.2
1.A.1.a.i - Electricity Generation	26.0	2.9E-04	4.1E-04	5.7E-02	2.5E-03	2.9E-04	0.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	104.8	9.4E-03	1.5E-03	0.4	0.1	0.4	2.0E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	103.6	9.4E-03	1.5E-03	0.3	0.1	0.4	2.0E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.2	5.0E-05	1.0E-05	8.5E-03	1.1E-03	4.2E-04	7.8E-04
1.A.3 - Transport	664.5	0.2	4.3E-02	3.7	21.9	2.1	1.0E-02
1.A.3.a - Civil Aviation	13.1	9.3E-05	3.7E-04	2.7E-02	3.2	5.0E-02	4.2E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	13.1	9.3E-05	3.7E-04	2.7E-02	3.2	5.0E-02	4.2E-03
1.A.3.b - Road Transportation	618.8	0.2	3.0E-02	3.1	18.6	2.0	6.2E-03
1.A.3.b.i - Cars	190.1	8.3E-02	8.9E-03	0.6	4.8	0.6	2.3E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	60.8	2.6E-02	2.8E-03	0.2	1.5	0.2	7.3E-04
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	129.3	5.6E-02	6.1E-03	0.4	3.2	0.4	1.6E-03
1.A.3.b.ii - Light-duty trucks	311.7	0.1	1.5E-02	1.4	13.5	1.3	3.6E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	233.8	9.8E-02	1.1E-02	1.0	10.1	1.0	2.7E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	77.9	3.3E-02	3.7E-03	0.3	3.4	0.3	9.0E-04
1.A.3.b.iii - Heavy-duty trucks and buses	116.2	6.1E-03	6.1E-03	1.2	0.3	7.0E-02	2.9E-04
1.A.3.b.iv - Motorcycles	0.8	3.6E-04	3.5E-05	1.6E-03	0.1	3.2E-02	1.0E-05
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	32.6	1.8E-03	1.3E-02	0.5	0.1	4.8E-02	5.0E-05
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	392.3	1.9	2.8E-02	7.6	27.1	4.4	1.9
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	99.8	1.9	2.5E-02	0.5	25.4	3.8	7.0E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	292.5	4.0E-02	2.4E-03	7.1	1.7	0.6	1.8
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	292.5	4.0E-02	2.4E-03	7.1	1.7	0.6	1.8
1.A.5 - Non-Specified	10.7	5.7E-04	5.7E-04	0.1	2.6E-02	6.4E-03	5.0E-05
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	10.7	5.7E-04	5.7E-04	0.1	2.6E-02	6.4E-03	5.0E-05

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	10.7	5.7E-04	5.7E-04	0.1	2.6E-02	6.4E-03	5.0E-05
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	208.7	1.4E-02	5.6E-03	3.8	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	66.7	4.7E-04	1.9E-03	0.3	2.3E-02	1.1E-02	2.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	142.0	1.3E-02	3.8E-03	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,233.0	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	21.0	-	2.9E-03	-	-	-	-	-	-	-	0.6	-
2.A - Mineral Industry	2.8	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	2.9E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	2.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	2.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-84,970.4	299.4	10.0	37.5	2,383.3	9.8
3.A - Livestock	NA	144.1	0.3	NA	NA	9.8
3.A.1 - Enteric Fermentation	NA	141.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	116.2	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	116.1	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	14.3	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.8	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.0	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	0.7	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.5E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.1	0.3	NA	NA	9.8
3.A.2.a - Cattle	NA	2.2	0.3	NA	NA	8.0
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.2	0.3	NA	NA	7.9
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.5
3.A.2.d - Goats	NA	0.3	NA	NA	NA	0.9
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	8.9E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	6.3E-02	NA	NA	NA	0.1
3.A.2.h - Swine	NA	1.5E-02	-	NA	NA	8.2E-03
3.A.2.i - Poultry	NA	9.9E-03	4.2E-04	NA	NA	5.4E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-84,970.8	NA	NO	NO	NO	NO
3.B.1 - Forest land	-93,706.0	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-92,086.2	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	155.3	9.6	37.5	2,383.3	NO
3.C.1 - Emissions from biomass burning	-	155.3	4.6	37.5	2,383.3	NO
3.C.1.a - Biomass burning in forest lands	NA	154.6	4.5	36.4	2,364.0	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.7	6.2E-02	1.2	19.3	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.7	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	0.9	2.6	7.3E-02	0.2	3.2	0.1	6.3E-03
4.A - Solid Waste Disposal	-	0.6	-	-	-	6.7E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	6.7E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	4.9E-03	0.2	3.2	7.0E-02	6.3E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	0.9	0.4	4.9E-03	0.2	3.2	7.0E-02	6.3E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.9E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.2	6.9E-02	NO	NO	5.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.4	NA	NO	NO	4.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-83,750.1	304.3	10.2	-	NE	NE	NE	NE	49.9	2,436.1	17.4	2.2
1 - Energy	1,198.4	2.3	9.1E-02	NA	NA	NA	NA	NA	12.2	49.5	6.9	2.2
1.A - Fuel Combustion Activities	1,198.4	2.3	9.1E-02	NA	NA	NA	NA	NA	12.2	49.5	6.9	2.2
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	21.0	NO	5.7E-03	-	NE	NE	NE	NE	NO	NO	0.6	NO	NO
2.A - Mineral Industry	2.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	-	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.7E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.1	-	-
3 - Agriculture, Forestry, and Other Land Use	-84,970.4	299.4	10.0	NA	NA	NA	NA	NA	37.5	2,383.3	9.8	NO	NO
3.A - Livestock		144.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.8	-	-
3.B - Land	-84,970.8		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	155.3	9.6	NA	NA	NA	NA	NA	37.5	2,383.3	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	0.9	2.6	7.3E-02	NA	NA	NA	NA	NA	0.2	3.2	0.1	6.3E-03	6.3E-03
4.A - Solid Waste Disposal	NA	0.6	NO	NA	NA	NA	NA	NA	NO	NO	6.7E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	4.9E-03	NA	NA	NA	NA	NA	0.2	3.2	7.0E-02	6.3E-03	6.3E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.9E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	208.7	1.4E-02	5.6E-03	NA	NA	NA	NA	NA	3.8	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	66.7	4.7E-04	1.9E-03	NA	NA	NA	NA	NA	0.3	2.3E-02	1.1E-02	2.1E-02	2.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	142.0	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1993 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-85,435.2	287.8	9.6	0.2	NE	NE	NE	NE	49.3	2,322.6	17.1	2.4
1 - Energy	1,295.0	2.3	9.5E-02	NA	NA	NA	NA	NA	13.4	50.9	7.1	2.4
1.A - Fuel Combustion Activities	1,295.0	2.3	9.5E-02	NA	NA	NA	NA	NA	13.4	50.9	7.1	2.4
1.A.1 - Energy Industries	28.3	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.5E-02	0.3
1.A.2 - Manufacturing Industries and Construction	107.6	9.6E-03	1.5E-03	NA	NA	NA	NA	NA	0.4	0.1	0.4	2.2E-02
1.A.3 - Transport	720.8	0.2	4.6E-02	NA	NA	NA	NA	NA	4.1	23.0	2.2	1.1E-02
1.A.4 - Other Sectors	425.6	1.9	2.8E-02	NA	NA	NA	NA	NA	8.4	27.4	4.5	2.1
1.A.5 - Non-Specified	12.6	6.7E-04	6.7E-04	NA	NA	NA	NA	NA	0.1	3.0E-02	7.5E-03	6.0E-05
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	21.6	NO	4.6E-03	0.2	NE	NE	NE	NE	NO	NO	0.6	NO
2.A - Mineral Industry	3.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	0.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	4.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	4.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-86,752.7	282.8	9.4	NA	NA	NA	NA	NA	35.7	2,268.3	9.2	NO
3.A - Livestock	NA	135.0	0.3	NA	NA	NA	NA	NA	NA	NA	9.2	NA
3.A.1 - Enteric Fermentation	NA	132.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	2.9	0.3	NA	NA	NA	NA	NA	NA	NA	9.2	NA
3.B - Land	-86,753.0	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-95,488.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	147.8	9.1	NA	NA	NA	NA	NA	35.7	2,268.3	NA	NA
3.C.1 - Emissions from biomass burning	NA	147.8	4.4	NA	NA	NA	NA	NA	35.7	2,268.3	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	0.9	2.7	7.4E-02	NA	NA	NA	NA	NA	0.2	3.3	0.1	6.5E-03
4.A - Solid Waste Disposal	NA	0.7	NO	NA	NA	NA	NA	NA	NO	NO	7.1E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	5.1E-03	NA	NA	NA	NA	NA	0.2	3.3	7.3E-02	6.5E-03

4.D - Wastewater Treatment and Discharge	NA	1.6	6.9E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	209.4	1.4E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	68.6	4.8E-04	1.9E-03	NA	NA	NA	NA	NA	0.3	2.4E-02	1.1E-02	2.2E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	140.8	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,295.0	2.3	9.5E-02	13.4	50.9	7.1	2.4
1.A - Fuel Combustion Activities	1,295.0	2.3	9.5E-02	13.4	50.9	7.1	2.4
1.A.1 - Energy Industries	28.3	0.1	1.9E-02	0.4	0.4	3.5E-02	0.3
1.A.1.a - Main Activity Electricity and Heat Production	28.3	3.2E-04	4.4E-04	6.2E-02	2.7E-03	3.1E-04	0.2
1.A.1.a.i - Electricity Generation	28.3	3.2E-04	4.4E-04	6.2E-02	2.7E-03	3.1E-04	0.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	107.6	9.6E-03	1.5E-03	0.4	0.1	0.4	2.2E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	106.4	9.5E-03	1.5E-03	0.4	0.1	0.4	2.1E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.2	5.2E-05	1.0E-05	8.8E-03	1.1E-03	4.3E-04	8.1E-04
1.A.3 - Transport	720.8	0.2	4.6E-02	4.1	23.0	2.2	1.1E-02
1.A.3.a - Civil Aviation	13.6	9.7E-05	3.9E-04	2.8E-02	3.2	5.1E-02	4.4E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	13.6	9.7E-05	3.9E-04	2.8E-02	3.2	5.1E-02	4.4E-03
1.A.3.b - Road Transportation	673.3	0.2	3.2E-02	3.5	19.6	2.1	6.6E-03
1.A.3.b.i - Cars	202.4	8.7E-02	9.5E-03	0.6	5.0	0.6	2.4E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	64.8	2.8E-02	3.0E-03	0.2	1.6	0.2	7.7E-04
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	137.7	5.9E-02	6.5E-03	0.4	3.4	0.4	1.6E-03
1.A.3.b.ii - Light-duty trucks	333.4	0.1	1.6E-02	1.5	14.2	1.4	3.8E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	250.1	0.1	1.2E-02	1.1	10.6	1.0	2.9E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	83.4	3.4E-02	3.9E-03	0.4	3.5	0.3	9.5E-04
1.A.3.b.iii - Heavy-duty trucks and buses	136.7	7.2E-03	7.2E-03	1.4	0.3	8.2E-02	3.4E-04
1.A.3.b.iv - Motorcycles	0.8	3.8E-04	3.7E-05	1.7E-03	0.1	3.4E-02	1.0E-05
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	33.8	1.9E-03	1.3E-02	0.6	0.1	5.0E-02	5.0E-05
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	425.6	1.9	2.8E-02	8.4	27.4	4.5	2.1
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	102.5	1.9	2.5E-02	0.5	25.6	3.9	7.0E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	323.1	4.4E-02	2.6E-03	7.8	1.9	0.6	2.0
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	323.1	4.4E-02	2.6E-03	7.8	1.9	0.6	2.0
1.A.5 - Non-Specified	12.6	6.7E-04	6.7E-04	0.1	3.0E-02	7.5E-03	6.0E-05
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	12.6	6.7E-04	6.7E-04	0.1	3.0E-02	7.5E-03	6.0E-05

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	12.6	6.7E-04	6.7E-04	0.1	3.0E-02	7.5E-03	6.0E-05
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	209.4	1.4E-02	5.7E-03	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	68.6	4.8E-04	1.9E-03	0.3	2.4E-02	1.1E-02	2.2E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	140.8	1.3E-02	3.8E-03	3.5	0.6	0.2	0.6
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,237.4	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	21.6	-	3.0E-03	0.2	-	-	-	-	-	-	0.6	-
2.A - Mineral Industry	3.4	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	0.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	3.0E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	3.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	3.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-86,752.7	282.8	9.4	35.7	2,268.3	9.2
3.A - Livestock	NA	135.0	0.3	NA	NA	9.2
3.A.1 - Enteric Fermentation	NA	132.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	109.0	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	108.8	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.3	NA	NA	NA	NA
3.A.1.d - Goats	NA	7.9	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.0	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	0.9	NA	NA	NA	NA
3.A.1.h - Swine	NA	2.0E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	2.9	0.3	NA	NA	9.2
3.A.2.a - Cattle	NA	2.1	0.3	NA	NA	7.5
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.1	0.3	NA	NA	7.5
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.3	NA	NA	NA	0.9
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	9.4E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	7.7E-02	NA	NA	NA	0.1
3.A.2.h - Swine	NA	2.0E-02	-	NA	NA	1.1E-02
3.A.2.i - Poultry	NA	9.8E-03	4.2E-04	NA	NA	5.3E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-86,753.0	NA	NO	NO	NO	NO
3.B.1 - Forest land	-95,488.3	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-93,868.4	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	147.8	9.1	35.7	2,268.3	NO
3.C.1 - Emissions from biomass burning	-	147.8	4.4	35.7	2,268.3	NO
3.C.1.a - Biomass burning in forest lands	NA	147.1	4.3	34.6	2,250.5	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.6	5.8E-02	1.1	17.8	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.4	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	0.9	2.7	7.4E-02	0.2	3.3	0.1	6.5E-03
4.A - Solid Waste Disposal	-	0.7	-	-	-	7.1E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	7.1E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	5.1E-03	0.2	3.3	7.3E-02	6.5E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	0.9	0.4	5.1E-03	0.2	3.3	7.3E-02	6.5E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.9E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.2	6.9E-02	NO	NO	5.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.4	NA	NO	NO	4.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-85,435.2	287.8	9.6	0.2	NE	NE	NE	NE	49.3	2,322.6	17.1	2.4
1 - Energy	1,295.0	2.3	9.5E-02	NA	NA	NA	NA	NA	13.4	50.9	7.1	2.4
1.A - Fuel Combustion Activities	1,295.0	2.3	9.5E-02	NA	NA	NA	NA	NA	13.4	50.9	7.1	2.4
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	21.6	NO	4.6E-03	0.2	NE	NE	NE	NE	NO	NO	0.6	NO	NO
2.A - Mineral Industry	3.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	0.2	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	4.6E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.1	-	-
3 - Agriculture, Forestry, and Other Land Use	-86,752.7	282.8	9.4	NA	NA	NA	NA	NA	35.7	2,268.3	9.2	NO	NO
3.A - Livestock		135.0	0.3	NA	NA	NA	NA	NA	NA	NA	9.2	-	-
3.B - Land	-86,753.0		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	147.8	9.1	NA	NA	NA	NA	NA	35.7	2,268.3	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	0.9	2.7	7.4E-02	NA	NA	NA	NA	NA	0.2	3.3	0.1	6.5E-03	6.5E-03
4.A - Solid Waste Disposal	NA	0.7	NO	NA	NA	NA	NA	NA	NO	NO	7.1E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	0.9	0.4	5.1E-03	NA	NA	NA	NA	NA	0.2	3.3	7.3E-02	6.5E-03	6.5E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	6.9E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	209.4	1.4E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	68.6	4.8E-04	1.9E-03	NA	NA	NA	NA	NA	0.3	2.4E-02	1.1E-02	2.2E-02	2.2E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	140.8	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.6	0.2	0.6	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1994 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-87,121.9	279.1	9.3	0.3	NE	NE	NE	NE	48.9	2,208.2	17.4	2.7
1 - Energy	1,407.5	2.4	9.9E-02	NA	NA	NA	NA	NA	14.9	52.4	7.4	2.7
1.A - Fuel Combustion Activities	1,407.5	2.4	9.9E-02	NA	NA	NA	NA	NA	14.9	52.4	7.4	2.7
1.A.1 - Energy Industries	30.6	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.5E-02	0.3
1.A.2 - Manufacturing Industries and Construction	110.5	9.8E-03	1.5E-03	NA	NA	NA	NA	NA	0.4	0.1	0.4	2.3E-02
1.A.3 - Transport	784.1	0.2	4.9E-02	NA	NA	NA	NA	NA	4.5	24.1	2.3	1.2E-02
1.A.4 - Other Sectors	467.4	2.0	2.8E-02	NA	NA	NA	NA	NA	9.4	27.8	4.6	2.4
1.A.5 - Non-Specified	14.9	7.8E-04	7.8E-04	NA	NA	NA	NA	NA	0.2	3.6E-02	8.9E-03	1.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	22.2	NO	3.2E-03	0.3	NE	NE	NE	NE	NO	NO	0.7	NO
2.A - Mineral Industry	4.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	0.3	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	3.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	3.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-88,552.5	274.0	9.2	NA	NA	NA	NA	NA	33.8	2,152.3	9.2	NO
3.A - Livestock	NA	133.8	0.3	NA	NA	NA	NA	NA	NA	NA	9.2	NA
3.A.1 - Enteric Fermentation	NA	130.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.0	0.3	NA	NA	NA	NA	NA	NA	NA	9.2	NA
3.B - Land	-88,552.8	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-97,288.1	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	140.2	8.8	NA	NA	NA	NA	NA	33.8	2,152.3	NA	NA
3.C.1 - Emissions from biomass burning	NA	140.2	4.2	NA	NA	NA	NA	NA	33.8	2,152.3	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.0	2.8	7.5E-02	NA	NA	NA	NA	NA	0.2	3.5	0.2	6.8E-03
4.A - Solid Waste Disposal	NA	0.8	NO	NA	NA	NA	NA	NA	NO	NO	7.6E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.3E-03	NA	NA	NA	NA	NA	0.2	3.5	7.6E-02	6.8E-03

4.D - Wastewater Treatment and Discharge	NA	1.6	7.0E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	210.2	1.4E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	70.5	4.9E-04	2.0E-03	NA	NA	NA	NA	NA	0.3	2.5E-02	1.1E-02	2.2E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	139.7	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.4	0.6	0.2	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	1,407.5	2.4	9.9E-02	14.9	52.4	7.4	2.7
1.A - Fuel Combustion Activities	1,407.5	2.4	9.9E-02	14.9	52.4	7.4	2.7
1.A.1 - Energy Industries	30.6	0.1	1.9E-02	0.4	0.4	3.5E-02	0.3
1.A.1.a - Main Activity Electricity and Heat Production	30.6	3.4E-04	4.8E-04	6.7E-02	2.9E-03	3.0E-04	0.3
1.A.1.a.i - Electricity Generation	30.6	3.4E-04	4.8E-04	6.7E-02	2.9E-03	3.0E-04	0.3
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	110.5	9.8E-03	1.5E-03	0.4	0.1	0.4	2.3E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	109.2	9.7E-03	1.5E-03	0.4	0.1	0.4	2.2E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.3	5.4E-05	1.1E-05	9.2E-03	1.2E-03	5.0E-04	8.0E-04
1.A.3 - Transport	784.1	0.2	4.9E-02	4.5	24.1	2.3	1.2E-02
1.A.3.a - Civil Aviation	14.5	1.0E-04	4.1E-04	3.0E-02	3.3	5.2E-02	4.5E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	14.5	1.0E-04	4.1E-04	3.0E-02	3.3	5.2E-02	4.5E-03
1.A.3.b - Road Transportation	734.6	0.2	3.6E-02	3.9	20.7	2.2	6.9E-03
1.A.3.b.i - Cars	215.8	9.2E-02	1.0E-02	0.6	5.3	0.6	2.5E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	69.0	2.9E-02	3.2E-03	0.2	1.7	0.2	8.0E-04
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	146.7	6.3E-02	6.9E-03	0.4	3.6	0.4	1.7E-03
1.A.3.b.ii - Light-duty trucks	357.2	0.1	1.7E-02	1.6	14.9	1.4	4.0E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	267.9	0.1	1.3E-02	1.2	11.2	1.1	3.0E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	89.3	3.6E-02	4.2E-03	0.4	3.7	0.4	1.0E-03
1.A.3.b.iii - Heavy-duty trucks and buses	160.8	8.5E-03	8.5E-03	1.7	0.4	9.7E-02	4.0E-04
1.A.3.b.iv - Motorcycles	0.8	4.0E-04	3.9E-05	1.8E-03	0.1	3.6E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	35.1	2.0E-03	1.4E-02	0.6	0.1	5.2E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	467.4	2.0	2.8E-02	9.4	27.8	4.6	2.4
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	102.1	1.9	2.5E-02	0.5	25.7	3.9	7.1E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	365.3	4.9E-02	3.0E-03	8.9	2.0	0.7	2.3
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	365.3	4.9E-02	3.0E-03	8.9	2.0	0.7	2.3
1.A.5 - Non-Specified	14.9	7.8E-04	7.8E-04	0.2	3.6E-02	8.9E-03	1.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	14.9	7.8E-04	7.8E-04	0.2	3.6E-02	8.9E-03	1.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	14.9	7.8E-04	7.8E-04	0.2	3.6E-02	8.9E-03	1.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	210.2	1.4E-02	5.7E-03	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	70.5	4.9E-04	2.0E-03	0.3	2.5E-02	1.1E-02	2.2E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	139.7	1.3E-02	3.7E-03	3.4	0.6	0.2	0.6
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,241.7	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	22.2	-	3.2E-03	0.3	-	-	-	-	-	-	0.7	-
2.A - Mineral Industry	4.0	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	0.3	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	-	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	3.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	3.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	3.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-88,552.5	274.0	9.2	33.8	2,152.3	9.2
3.A - Livestock	NA	133.8	0.3	NA	NA	9.2
3.A.1 - Enteric Fermentation	NA	130.8	NA	NA	NA	NA
3.A.1.a - Cattle	NA	107.0	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	106.9	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.1	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.2	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.1	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.5	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.8E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.0	0.3	NA	NA	9.2
3.A.2.a - Cattle	NA	2.0	0.3	NA	NA	7.3
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.0	0.3	NA	NA	7.3
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.3	NA	NA	NA	0.9
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	9.6E-02	NA	NA	NA	0.3
3.A.2.g - Mules and Asses	NA	0.1	NA	NA	NA	0.2
3.A.2.h - Swine	NA	1.8E-02	-	NA	NA	9.8E-03
3.A.2.i - Poultry	NA	9.3E-03	3.9E-04	NA	NA	5.0E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-88,552.8	NA	NO	NO	NO	NO
3.B.1 - Forest land	-97,288.1	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-95,668.2	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	140.2	8.8	33.8	2,152.3	NO
3.C.1 - Emissions from biomass burning	-	140.2	4.2	33.8	2,152.3	NO
3.C.1.a - Biomass burning in forest lands	NA	139.7	4.1	32.9	2,135.9	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.6	5.3E-02	1.0	16.4	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.4	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.0	2.8	7.5E-02	0.2	3.5	0.2	6.8E-03
4.A - Solid Waste Disposal	-	0.8	-	-	-	7.6E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	7.6E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.3E-03	0.2	3.5	7.6E-02	6.8E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.0	0.4	5.3E-03	0.2	3.5	7.6E-02	6.8E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	7.0E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.2	7.0E-02	NO	NO	5.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.3	NA	NO	NO	4.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-87,121.9	279.1	9.3	0.3	NE	NE	NE	NE	48.9	2,208.2	17.4	2.7
1 - Energy	1,407.5	2.4	9.9E-02	NA	NA	NA	NA	NA	14.9	52.4	7.4	2.7
1.A - Fuel Combustion Activities	1,407.5	2.4	9.9E-02	NA	NA	NA	NA	NA	14.9	52.4	7.4	2.7
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	22.2	NO	3.2E-03	0.3	NE	NE	NE	NE	NO	NO	0.7	NO	NO
2.A - Mineral Industry	4.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.5	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	0.3	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	3.2E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.1	-	-
3 - Agriculture, Forestry, and Other Land Use	-88,552.5	274.0	9.2	NA	NA	NA	NA	NA	33.8	2,152.3	9.2	NO	NO
3.A - Livestock		133.8	0.3	NA	NA	NA	NA	NA	NA	NA	9.2	-	-
3.B - Land	-88,552.8		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	140.2	8.8	NA	NA	NA	NA	NA	33.8	2,152.3	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.0	2.8	7.5E-02	NA	NA	NA	NA	NA	0.2	3.5	0.2	6.8E-03	6.8E-03
4.A - Solid Waste Disposal	NA	0.8	NO	NA	NA	NA	NA	NA	NO	NO	7.6E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.3E-03	NA	NA	NA	NA	NA	0.2	3.5	7.6E-02	6.8E-03	6.8E-03
4.D - Wastewater Treatment and Discharge	NA	1.6	7.0E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	210.2	1.4E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	70.5	4.9E-04	2.0E-03	NA	NA	NA	NA	NA	0.3	2.5E-02	1.1E-02	2.2E-02	2.2E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	139.7	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.4	0.6	0.2	0.6	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1995 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-88,931.0	273.9	9.2	5.9	NE	NE	NE	NE	45.6	2,092.8	17.5	2.2
1 - Energy	1,415.1	2.4	0.1	NA	NA	NA	NA	NA	13.4	54.0	7.5	2.2
1.A - Fuel Combustion Activities	1,415.1	2.4	0.1	NA	NA	NA	NA	NA	13.4	54.0	7.5	2.2
1.A.1 - Energy Industries	32.9	0.1	1.9E-02	NA	NA	NA	NA	NA	0.5	0.4	3.5E-02	0.3
1.A.2 - Manufacturing Industries and Construction	113.4	9.9E-03	1.6E-03	NA	NA	NA	NA	NA	0.4	0.1	0.4	2.4E-02
1.A.3 - Transport	866.0	0.3	5.4E-02	NA	NA	NA	NA	NA	5.0	25.6	2.5	1.2E-02
1.A.4 - Other Sectors	385.0	2.0	2.8E-02	NA	NA	NA	NA	NA	7.3	27.8	4.6	1.8
1.A.5 - Non-Specified	17.9	9.4E-04	9.4E-04	NA	NA	NA	NA	NA	0.2	4.3E-02	1.1E-02	1.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	22.7	NO	5.1E-03	5.9	NE	NE	NE	NE	NO	NO	0.7	NO
2.A - Mineral Industry	4.5	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	5.9	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	5.9	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.1E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.1E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-90,369.8	268.8	9.0	NA	NA	NA	NA	NA	32.0	2,035.2	9.1	NO
3.A - Livestock	NA	136.2	0.3	NA	NA	NA	NA	NA	NA	NA	9.1	NA
3.A.1 - Enteric Fermentation	NA	133.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.2	0.3	NA	NA	NA	NA	NA	NA	NA	9.1	NA
3.B - Land	-90,370.1	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-99,105.4	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	132.6	8.8	NA	NA	NA	NA	NA	32.0	2,035.2	NA	NA
3.C.1 - Emissions from biomass burning	NA	132.6	3.9	NA	NA	NA	NA	NA	32.0	2,035.2	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.0	2.7	7.6E-02	NA	NA	NA	NA	NA	0.2	3.6	0.2	7.1E-03
4.A - Solid Waste Disposal	NA	0.8	NO	NA	NA	NA	NA	NA	NO	NO	8.1E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.5E-03	NA	NA	NA	NA	NA	0.2	3.6	7.9E-02	7.1E-03

4.D - Wastewater Treatment and Discharge	NA	1.4	7.0E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	211.0	1.3E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	72.4	5.1E-04	2.0E-03	NA	NA	NA	NA	NA	0.3	2.5E-02	1.2E-02	2.3E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	138.6	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.4	0.6	0.2	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,415.1	2.4	0.1	13.4	54.0	7.5	2.2
1.A - Fuel Combustion Activities	1,415.1	2.4	0.1	13.4	54.0	7.5	2.2
1.A.1 - Energy Industries	32.9	0.1	1.9E-02	0.5	0.4	3.5E-02	0.3
1.A.1.a - Main Activity Electricity and Heat Production	32.9	3.7E-04	5.2E-04	7.2E-02	3.1E-03	4.0E-04	0.3
1.A.1.a.i - Electricity Generation	32.9	3.7E-04	5.2E-04	7.2E-02	3.1E-03	4.0E-04	0.3
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	113.4	9.9E-03	1.6E-03	0.4	0.1	0.4	2.4E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	112.0	9.9E-03	1.5E-03	0.4	0.1	0.4	2.4E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.3	5.6E-05	1.1E-05	9.6E-03	1.2E-03	5.0E-04	9.0E-04
1.A.3 - Transport	866.0	0.3	5.4E-02	5.0	25.6	2.5	1.2E-02
1.A.3.a - Civil Aviation	14.7	1.0E-04	4.2E-04	3.1E-02	3.3	5.3E-02	4.7E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	14.7	1.0E-04	4.2E-04	3.1E-02	3.3	5.3E-02	4.7E-03
1.A.3.b - Road Transportation	815.1	0.3	4.0E-02	4.4	22.1	2.4	7.5E-03
1.A.3.b.i - Cars	233.1	9.8E-02	1.1E-02	0.7	5.6	0.7	2.7E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	74.6	3.1E-02	3.5E-03	0.2	1.8	0.2	9.0E-04
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	158.5	6.7E-02	7.5E-03	0.5	3.8	0.5	1.8E-03
1.A.3.b.ii - Light-duty trucks	388.1	0.2	1.8E-02	1.7	15.9	1.5	4.3E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	291.0	0.1	1.4E-02	1.3	11.9	1.2	3.2E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	97.0	3.9E-02	4.6E-03	0.4	4.0	0.4	1.1E-03
1.A.3.b.iii - Heavy-duty trucks and buses	193.1	1.0E-02	1.0E-02	2.0	0.5	0.1	5.0E-04
1.A.3.b.iv - Motorcycles	0.9	4.2E-04	4.1E-05	1.9E-03	0.1	3.8E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	36.3	2.0E-03	1.4E-02	0.6	0.1	5.4E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	385.0	2.0	2.8E-02	7.3	27.8	4.6	1.8
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	104.8	1.9	2.6E-02	0.5	25.9	3.9	7.1E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	280.2	3.8E-02	2.3E-03	6.8	1.9	0.7	1.8
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	280.2	3.8E-02	2.3E-03	6.8	1.9	0.7	1.8
1.A.5 - Non-Specified	17.9	9.4E-04	9.4E-04	0.2	4.3E-02	1.1E-02	1.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	17.9	9.4E-04	9.4E-04	0.2	4.3E-02	1.1E-02	1.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	17.9	9.4E-04	9.4E-04	0.2	4.3E-02	1.1E-02	1.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	211.0	1.3E-02	5.7E-03	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	72.4	5.1E-04	2.0E-03	0.3	2.5E-02	1.2E-02	2.3E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	138.6	1.3E-02	3.7E-03	3.4	0.6	0.2	0.6
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,246.1	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	22.7	-	3.4E-03	5.9	-	-	-	-	-	-	0.7	-
2.A - Mineral Industry	4.5	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	5.9	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	5.9	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	4.5	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	3.4E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	3.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	3.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.2	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-90,369.8	268.8	9.0	32.0	2,035.2	9.1
3.A - Livestock	NA	136.2	0.3	NA	NA	9.1
3.A.1 - Enteric Fermentation	NA	133.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	110.7	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	110.5	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	12.0	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.1	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.0	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.2	NA	NA	NA	NA
3.A.1.h - Swine	NA	2.0E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.2	0.3	NA	NA	9.1
3.A.2.a - Cattle	NA	2.0	0.3	NA	NA	7.3
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.0	0.3	NA	NA	7.3
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	0.9
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.1	NA	NA	NA	0.2
3.A.2.h - Swine	NA	2.0E-02	1.1E-03	NA	NA	1.1E-02
3.A.2.i - Poultry	NA	1.5E-02	4.1E-04	NA	NA	5.3E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-90,370.1	NA	NO	NO	NO	NO
3.B.1 - Forest land	-99,105.4	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-97,485.6	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	132.6	8.8	32.0	2,035.2	NO
3.C.1 - Emissions from biomass burning	-	132.6	3.9	32.0	2,035.2	NO
3.C.1.a - Biomass burning in forest lands	NA	132.1	3.9	31.1	2,020.2	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.5	4.8E-02	0.9	15.0	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.6	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.2	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.0	2.7	7.6E-02	0.2	3.6	0.2	7.1E-03
4.A - Solid Waste Disposal	-	0.8	-	-	-	8.1E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	8.1E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.5E-03	0.2	3.6	7.9E-02	7.1E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.0	0.4	5.5E-03	0.2	3.6	7.9E-02	7.1E-03
4.D - Wastewater Treatment and Discharge	NA	1.4	7.0E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.3	7.0E-02	NO	NO	6.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.2	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-88,931.0	273.9	9.2	5.9	NE	NE	NE	NE	45.6	2,092.8	17.5	2.2
1 - Energy	1,415.1	2.4	0.1	NA	NA	NA	NA	NA	13.4	54.0	7.5	2.2
1.A - Fuel Combustion Activities	1,415.1	2.4	0.1	NA	NA	NA	NA	NA	13.4	54.0	7.5	2.2
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	22.7	NO	5.1E-03	5.9	NE	NE	NE	NE	NO	NO	0.7	NO	NO
2.A - Mineral Industry	4.5	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	5.9	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.1E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.2	-	-
3 - Agriculture, Forestry, and Other Land Use	-90,369.8	268.8	9.0	NA	NA	NA	NA	NA	32.0	2,035.2	9.1	NO	NO
3.A - Livestock		136.2	0.3	NA	NA	NA	NA	NA	NA	NA	9.1	-	-
3.B - Land	-90,370.1		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	132.6	8.8	NA	NA	NA	NA	NA	32.0	2,035.2	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.0	2.7	7.6E-02	NA	NA	NA	NA	NA	0.2	3.6	0.2	7.1E-03	7.1E-03
4.A - Solid Waste Disposal	NA	0.8	NO	NA	NA	NA	NA	NA	NO	NO	8.1E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.5E-03	NA	NA	NA	NA	NA	0.2	3.6	7.9E-02	7.1E-03	7.1E-03
4.D - Wastewater Treatment and Discharge	NA	1.4	7.0E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	211.0	1.3E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	72.4	5.1E-04	2.0E-03	NA	NA	NA	NA	NA	0.3	2.5E-02	1.2E-02	2.3E-02	2.3E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	138.6	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.4	0.6	0.2	0.6	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1996 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-90,674.6	261.1	8.8	11.0	NE	NE	NE	NE	44.3	1,976.6	17.7	2.2
1 - Energy	1,505.6	2.4	0.1	NA	NA	NA	NA	NA	14.0	55.7	7.7	2.2
1.A - Fuel Combustion Activities	1,505.6	2.4	0.1	NA	NA	NA	NA	NA	14.0	55.7	7.7	2.2
1.A.1 - Energy Industries	35.2	0.1	1.9E-02	NA	NA	NA	NA	NA	0.5	0.4	3.5E-02	0.4
1.A.2 - Manufacturing Industries and Construction	116.2	1.0E-02	1.6E-03	NA	NA	NA	NA	NA	0.4	0.1	0.4	2.6E-02
1.A.3 - Transport	948.3	0.3	5.8E-02	NA	NA	NA	NA	NA	5.6	27.0	2.6	1.3E-02
1.A.4 - Other Sectors	385.1	2.0	2.8E-02	NA	NA	NA	NA	NA	7.3	28.1	4.6	1.8
1.A.5 - Non-Specified	20.8	1.1E-03	1.1E-03	NA	NA	NA	NA	NA	0.2	5.0E-02	1.2E-02	1.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	23.3	NO	7.2E-03	11.0	NE	NE	NE	NE	NO	NO	0.8	NO
2.A - Mineral Industry	5.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	11.0	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	7.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-92,204.6	256.1	8.6	NA	NA	NA	NA	NA	30.1	1,917.2	9.0	NO
3.A - Livestock	NA	131.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.0	NA
3.A.1 - Enteric Fermentation	NA	128.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.0	NA
3.B - Land	-92,205.0	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-100,940.2	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	124.9	8.3	NA	NA	NA	NA	NA	30.1	1,917.2	NA	NA
3.C.1 - Emissions from biomass burning	NA	124.9	3.7	NA	NA	NA	NA	NA	30.1	1,917.2	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.0	2.6	7.7E-02	NA	NA	NA	NA	NA	0.2	3.7	0.2	7.3E-03
4.A - Solid Waste Disposal	NA	0.9	NO	NA	NA	NA	NA	NA	NO	NO	8.6E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.7E-03	NA	NA	NA	NA	NA	0.2	3.7	8.2E-02	7.3E-03

4.D - Wastewater Treatment and Discharge	NA	1.2	7.1E-02	NA	NA	NA	NA	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	211.8	1.3E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	74.3	5.2E-04	2.1E-03	NA	NA	NA	NA	NA	0.3	2.6E-02	1.2E-02	2.4E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	137.4	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.4	0.6	0.2	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,505.6	2.4	0.1	14.0	55.7	7.7	2.2
1.A - Fuel Combustion Activities	1,505.6	2.4	0.1	14.0	55.7	7.7	2.2
1.A.1 - Energy Industries	35.2	0.1	1.9E-02	0.5	0.4	3.5E-02	0.4
1.A.1.a - Main Activity Electricity and Heat Production	35.2	3.9E-04	5.5E-04	7.8E-02	3.3E-03	4.0E-04	0.3
1.A.1.a.i - Electricity Generation	35.2	3.9E-04	5.5E-04	7.8E-02	3.3E-03	4.0E-04	0.3
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	116.2	1.0E-02	1.6E-03	0.4	0.1	0.4	2.6E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	114.8	1.0E-02	1.6E-03	0.4	0.1	0.4	2.5E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.4	5.8E-05	1.2E-05	9.9E-03	1.3E-03	5.0E-04	9.0E-04
1.A.3 - Transport	948.3	0.3	5.8E-02	5.6	27.0	2.6	1.3E-02
1.A.3.a - Civil Aviation	15.2	1.1E-04	4.3E-04	3.3E-02	3.4	5.3E-02	4.9E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	15.2	1.1E-04	4.3E-04	3.3E-02	3.4	5.3E-02	4.9E-03
1.A.3.b - Road Transportation	895.6	0.3	4.4E-02	5.0	23.5	2.5	8.0E-03
1.A.3.b.i - Cars	250.3	0.1	1.2E-02	0.8	6.0	0.7	2.9E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	80.1	3.3E-02	3.8E-03	0.2	1.9	0.2	9.0E-04
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	170.2	7.1E-02	8.0E-03	0.5	4.1	0.5	2.0E-03
1.A.3.b.ii - Light-duty trucks	419.0	0.2	2.0E-02	1.8	16.9	1.6	4.5E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	314.2	0.1	1.5E-02	1.4	12.7	1.2	3.4E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	104.7	4.1E-02	5.0E-03	0.5	4.2	0.4	1.1E-03
1.A.3.b.iii - Heavy-duty trucks and buses	225.3	1.2E-02	1.2E-02	2.4	0.5	0.1	6.0E-04
1.A.3.b.iv - Motorcycles	1.0	4.5E-04	4.4E-05	2.0E-03	0.2	4.0E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	37.5	2.1E-03	1.4E-02	0.6	0.1	5.5E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	385.1	2.0	2.8E-02	7.3	28.1	4.6	1.8
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	104.4	1.9	2.6E-02	0.5	26.0	3.9	7.1E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	280.7	3.8E-02	2.3E-03	6.8	2.0	0.7	1.8
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	280.7	3.8E-02	2.3E-03	6.8	2.0	0.7	1.8
1.A.5 - Non-Specified	20.8	1.1E-03	1.1E-03	0.2	5.0E-02	1.2E-02	1.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	20.8	1.1E-03	1.1E-03	0.2	5.0E-02	1.2E-02	1.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	20.8	1.1E-03	1.1E-03	0.2	5.0E-02	1.2E-02	1.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	211.8	1.3E-02	5.7E-03	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	74.3	5.2E-04	2.1E-03	0.3	2.6E-02	1.2E-02	2.4E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	137.4	1.3E-02	3.7E-03	3.4	0.6	0.2	0.6
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,250.4	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	23.3	-	3.6E-03	11.0	-	-	-	-	-	-	0.8	-
2.A - Mineral Industry	5.1	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	11.0	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	8.5	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	3.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.2	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-92,204.6	256.1	8.6	30.1	1,917.2	9.0
3.A - Livestock	NA	131.1	0.3	NA	NA	9.0
3.A.1 - Enteric Fermentation	NA	128.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	105.6	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	105.5	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	11.0	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.9	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.0	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.4	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.9E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.1	0.3	NA	NA	9.0
3.A.2.a - Cattle	NA	2.0	0.3	NA	NA	7.2
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.0	0.3	NA	NA	7.2
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	1.9E-02	1.0E-03	NA	NA	1.0E-02
3.A.2.i - Poultry	NA	1.4E-02	3.9E-04	NA	NA	4.9E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-92,205.0	NA	NO	NO	NO	NO
3.B.1 - Forest land	-100,940.2	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-99,320.4	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	124.9	8.3	30.1	1,917.2	NO
3.C.1 - Emissions from biomass burning	-	124.9	3.7	30.1	1,917.2	NO
3.C.1.a - Biomass burning in forest lands	NA	124.5	3.7	29.3	1,903.5	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.5	4.4E-02	0.8	13.7	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.3	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.0	2.6	7.7E-02	0.2	3.7	0.2	7.3E-03
4.A - Solid Waste Disposal	-	0.9	-	-	-	8.6E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	8.6E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.7E-03	0.2	3.7	8.2E-02	7.3E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.0	0.4	5.7E-03	0.2	3.7	8.2E-02	7.3E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.1E-02	NO	NO	3.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.3	7.1E-02	NO	NO	6.7E-14	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.0	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-90,674.6	261.1	8.8	11.0	NE	NE	NE	NE	44.3	1,976.6	17.7	2.2
1 - Energy	1,505.6	2.4	0.1	NA	NA	NA	NA	NA	14.0	55.7	7.7	2.2
1.A - Fuel Combustion Activities	1,505.6	2.4	0.1	NA	NA	NA	NA	NA	14.0	55.7	7.7	2.2
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	23.3	NO	7.2E-03	11.0	NE	NE	NE	NE	NO	NO	0.8	NO	NO
2.A - Mineral Industry	5.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	11.0	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.2E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.2	-	-
3 - Agriculture, Forestry, and Other Land Use	-92,204.6	256.1	8.6	NA	NA	NA	NA	NA	30.1	1,917.2	9.0	NO	NO
3.A - Livestock		131.1	0.3	NA	NA	NA	NA	NA	NA	NA	9.0	-	-
3.B - Land	-92,205.0		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	124.9	8.3	NA	NA	NA	NA	NA	30.1	1,917.2	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.0	2.6	7.7E-02	NA	NA	NA	NA	NA	0.2	3.7	0.2	7.3E-03	7.3E-03
4.A - Solid Waste Disposal	NA	0.9	NO	NA	NA	NA	NA	NA	NO	NO	8.6E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.0	0.4	5.7E-03	NA	NA	NA	NA	NA	0.2	3.7	8.2E-02	7.3E-03	7.3E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.1E-02	NA	NA	NA	NA	NA	NO	NO	3.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	211.8	1.3E-02	5.7E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	74.3	5.2E-04	2.1E-03	NA	NA	NA	NA	NA	0.3	2.6E-02	1.2E-02	2.4E-02	2.4E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	137.4	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.4	0.6	0.2	0.6	0.6
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1997 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-92,476.8	259.0	8.8	15.8	NE	NE	NE	NE	42.0	1,859.2	18.3	2.0
1 - Energy	1,555.2	2.4	0.1	NA	NA	NA	NA	NA	13.5	57.3	7.9	2.0
1.A - Fuel Combustion Activities	1,555.2	2.4	0.1	NA	NA	NA	NA	NA	13.5	57.3	7.9	2.0
1.A.1 - Energy Industries	37.5	0.1	1.9E-02	NA	NA	NA	NA	NA	0.5	0.4	3.5E-02	0.4
1.A.2 - Manufacturing Industries and Construction	119.1	1.0E-02	1.6E-03	NA	NA	NA	NA	NA	0.4	0.1	0.4	2.7E-02
1.A.3 - Transport	1,030.5	0.3	6.3E-02	NA	NA	NA	NA	NA	6.2	28.5	2.8	1.4E-02
1.A.4 - Other Sectors	344.3	2.0	2.8E-02	NA	NA	NA	NA	NA	6.2	28.2	4.6	1.6
1.A.5 - Non-Specified	23.8	1.3E-03	1.3E-03	NA	NA	NA	NA	NA	0.2	5.7E-02	1.4E-02	1.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	23.9	NO	7.6E-03	15.8	NE	NE	NE	NE	NO	NO	0.9	NO
2.A - Mineral Industry	5.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	15.8	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	15.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	7.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-94,056.9	253.8	8.6	NA	NA	NA	NA	NA	28.2	1,798.1	9.3	NO
3.A - Livestock	NA	136.7	0.3	NA	NA	NA	NA	NA	NA	NA	9.3	NA
3.A.1 - Enteric Fermentation	NA	133.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.3	0.3	NA	NA	NA	NA	NA	NA	NA	9.3	NA
3.B - Land	-94,057.3	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-102,792.5	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	117.2	8.3	NA	NA	NA	NA	NA	28.2	1,798.1	NA	NA
3.C.1 - Emissions from biomass burning	NA	117.2	3.5	NA	NA	NA	NA	NA	28.2	1,798.1	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.1	2.7	7.8E-02	NA	NA	NA	NA	NA	0.2	3.9	0.2	7.6E-03
4.A - Solid Waste Disposal	NA	1.0	NO	NA	NA	NA	NA	NA	NO	NO	9.2E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.1	0.5	5.9E-03	NA	NA	NA	NA	NA	0.2	3.9	8.5E-02	7.6E-03

4.D - Wastewater Treatment and Discharge	NA	1.2	7.2E-02	NA	NA	NA	NA	NA	NO	NO	3.6E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	212.6	1.3E-02	5.8E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	76.2	5.3E-04	2.1E-03	NA	NA	NA	NA	NA	0.3	2.7E-02	1.2E-02	2.4E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	136.3	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	3.4	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,555.2	2.4	0.1	13.5	57.3	7.9	2.0
1.A - Fuel Combustion Activities	1,555.2	2.4	0.1	13.5	57.3	7.9	2.0
1.A.1 - Energy Industries	37.5	0.1	1.9E-02	0.5	0.4	3.5E-02	0.4
1.A.1.a - Main Activity Electricity and Heat Production	37.5	4.1E-04	5.9E-04	8.3E-02	3.5E-03	4.0E-04	0.3
1.A.1.a.i - Electricity Generation	37.5	4.1E-04	5.9E-04	8.3E-02	3.5E-03	4.0E-04	0.3
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	119.1	1.0E-02	1.6E-03	0.4	0.1	0.4	2.7E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	117.6	1.0E-02	1.6E-03	0.4	0.1	0.4	2.6E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.4	6.0E-05	1.2E-05	1.0E-02	1.3E-03	5.0E-04	9.0E-04
1.A.3 - Transport	1,030.5	0.3	6.3E-02	6.2	28.5	2.8	1.4E-02
1.A.3.a - Civil Aviation	15.8	1.1E-04	4.5E-04	3.4E-02	3.4	5.4E-02	5.0E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	15.8	1.1E-04	4.5E-04	3.4E-02	3.4	5.4E-02	5.0E-03
1.A.3.b - Road Transportation	976.1	0.3	4.8E-02	5.5	24.9	2.7	8.6E-03
1.A.3.b.i - Cars	267.6	0.1	1.3E-02	0.8	6.3	0.8	3.1E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	85.6	3.5E-02	4.0E-03	0.3	2.0	0.2	1.0E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	182.0	7.5E-02	8.6E-03	0.6	4.3	0.5	2.1E-03
1.A.3.b.ii - Light-duty trucks	449.9	0.2	2.1E-02	2.0	17.9	1.7	4.9E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	337.4	0.1	1.6E-02	1.5	13.4	1.3	3.7E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	112.5	4.4E-02	5.3E-03	0.5	4.5	0.4	1.2E-03
1.A.3.b.iii - Heavy-duty trucks and buses	257.6	1.4E-02	1.4E-02	2.7	0.6	0.2	6.0E-04
1.A.3.b.iv - Motorcycles	1.0	4.8E-04	4.6E-05	2.2E-03	0.2	4.3E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	38.7	2.2E-03	1.5E-02	0.6	0.1	5.7E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	344.3	2.0	2.8E-02	6.2	28.2	4.6	1.6
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	107.1	1.9	2.6E-02	0.6	26.2	4.0	7.2E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	237.3	3.2E-02	1.9E-03	5.7	2.0	0.7	1.5
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	237.3	3.2E-02	1.9E-03	5.7	2.0	0.7	1.5
1.A.5 - Non-Specified	23.8	1.3E-03	1.3E-03	0.2	5.7E-02	1.4E-02	1.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	23.8	1.3E-03	1.3E-03	0.2	5.7E-02	1.4E-02	1.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	23.8	1.3E-03	1.3E-03	0.2	5.7E-02	1.4E-02	1.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	212.6	1.3E-02	5.8E-03	3.7	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	76.2	5.3E-04	2.1E-03	0.3	2.7E-02	1.2E-02	2.4E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	136.3	1.3E-02	3.6E-03	3.4	0.5	0.2	0.5
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,254.7	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	23.9	-	3.8E-03	15.8	-	-	-	-	-	-	0.9	-
2.A - Mineral Industry	5.7	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	15.8	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	15.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	12.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	3.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	3.8E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	3.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	3.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.2	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.2	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-94,056.9	253.8	8.6	28.2	1,798.1	9.3
3.A - Livestock	NA	136.7	0.3	NA	NA	9.3
3.A.1 - Enteric Fermentation	NA	133.4	NA	NA	NA	NA
3.A.1.a - Cattle	NA	109.6	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	109.5	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	12.1	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.1	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.0	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.5	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.7E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.3	0.3	NA	NA	9.3
3.A.2.a - Cattle	NA	2.1	0.3	NA	NA	7.4
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.1	0.3	NA	NA	7.4
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	1.7E-02	8.9E-04	NA	NA	9.3E-03
3.A.2.i - Poultry	NA	1.6E-02	4.4E-04	NA	NA	5.6E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-94,057.3	NA	NO	NO	NO	NO
3.B.1 - Forest land	-102,792.5	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-101,172.7	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	117.2	8.3	28.2	1,798.1	NO
3.C.1 - Emissions from biomass burning	-	117.2	3.5	28.2	1,798.1	NO
3.C.1.a - Biomass burning in forest lands	NA	116.8	3.4	27.5	1,785.7	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.4	4.0E-02	0.7	12.4	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.5	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.6E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.1	2.7	7.8E-02	0.2	3.9	0.2	7.6E-03
4.A - Solid Waste Disposal	-	1.0	-	-	-	9.2E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	9.2E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.1	0.5	5.9E-03	0.2	3.9	8.5E-02	7.6E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.1	0.5	5.9E-03	0.2	3.9	8.5E-02	7.6E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.2E-02	NO	NO	3.6E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.3	7.2E-02	NO	NO	6.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.9	NA	NO	NO	3.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-92,476.8	259.0	8.8	15.8	NE	NE	NE	NE	42.0	1,859.2	18.3	2.0
1 - Energy	1,555.2	2.4	0.1	NA	NA	NA	NA	NA	13.5	57.3	7.9	2.0
1.A - Fuel Combustion Activities	1,555.2	2.4	0.1	NA	NA	NA	NA	NA	13.5	57.3	7.9	2.0
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	23.9	NO	7.6E-03	15.8	NE	NE	NE	NE	NO	NO	0.9	NO	NO
2.A - Mineral Industry	5.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.6	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	15.8	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.6E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.2	-	-
3 - Agriculture, Forestry, and Other Land Use	-94,056.9	253.8	8.6	NA	NA	NA	NA	NA	28.2	1,798.1	9.3	NO	NO
3.A - Livestock		136.7	0.3	NA	NA	NA	NA	NA	NA	NA	9.3	-	-
3.B - Land	-94,057.3		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	117.2	8.3	NA	NA	NA	NA	NA	28.2	1,798.1	NA	NA	NA
3.D - Other	-	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.1	2.7	7.8E-02	NA	NA	NA	NA	NA	0.2	3.9	0.2	7.6E-03	7.6E-03
4.A - Solid Waste Disposal	NA	1.0	NO	NA	NA	NA	NA	NA	NO	NO	9.2E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.1	0.5	5.9E-03	NA	NA	NA	NA	NA	0.2	3.9	8.5E-02	7.6E-03	7.6E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.2E-02	NA	NA	NA	NA	NA	NO	NO	3.6E-06	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	212.6	1.3E-02	5.8E-03	NA	NA	NA	NA	NA	3.7	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	76.2	5.3E-04	2.1E-03	NA	NA	NA	NA	NA	0.3	2.7E-02	1.2E-02	2.4E-02	2.4E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	136.3	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	3.4	0.5	0.2	0.5	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1998 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-94,389.2	256.0	8.7	20.2	NE	NE	NE	NE	41.9	1,741.1	19.1	2.3
1 - Energy	1,694.5	2.5	0.1	NA	NA	NA	NA	NA	15.4	59.1	8.2	2.3
1.A - Fuel Combustion Activities	1,694.5	2.5	0.1	NA	NA	NA	NA	NA	15.4	59.1	8.2	2.3
1.A.1 - Energy Industries	39.8	0.1	1.9E-02	NA	NA	NA	NA	NA	0.5	0.4	3.5E-02	0.4
1.A.2 - Manufacturing Industries and Construction	121.5	1.0E-02	1.6E-03	NA	NA	NA	NA	NA	0.4	0.1	0.4	2.8E-02
1.A.3 - Transport	1,112.8	0.3	6.8E-02	NA	NA	NA	NA	NA	6.7	29.9	3.0	1.4E-02
1.A.4 - Other Sectors	393.6	2.0	2.8E-02	NA	NA	NA	NA	NA	7.5	28.6	4.7	1.9
1.A.5 - Non-Specified	26.8	1.4E-03	1.4E-03	NA	NA	NA	NA	NA	0.3	6.4E-02	1.6E-02	1.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	24.5	NO	8.0E-03	20.2	NE	NE	NE	NE	NO	NO	1.1	NO
2.A - Mineral Industry	6.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.7	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	20.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	20.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.0E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	8.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.4	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.4	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-96,109.3	250.7	8.5	NA	NA	NA	NA	NA	26.3	1,678.0	9.7	NO
3.A - Livestock	NA	141.3	0.3	NA	NA	NA	NA	NA	NA	NA	9.7	NA
3.A.1 - Enteric Fermentation	NA	138.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.3	0.3	NA	NA	NA	NA	NA	NA	NA	9.7	NA
3.B - Land	-95,927.0	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-104,662.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	109.4	8.2	NA	NA	NA	NA	NA	26.3	1,678.0	NA	NA
3.C.1 - Emissions from biomass burning	NA	109.4	3.2	NA	NA	NA	NA	NA	26.3	1,678.0	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-182.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-182.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.1	2.8	7.8E-02	NA	NA	NA	NA	NA	0.2	4.0	0.2	7.9E-03
4.A - Solid Waste Disposal	NA	1.1	NO	NA	NA	NA	NA	NA	NO	NO	9.7E-02	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.1	0.5	6.2E-03	NA	NA	NA	NA	NA	0.2	4.0	8.9E-02	7.9E-03

4.D - Wastewater Treatment and Discharge	NA	1.2	7.2E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	213.4	1.3E-02	5.8E-03	NA	NA	NA	NA	NA	3.6	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	78.2	5.5E-04	2.2E-03	NA	NA	NA	NA	NA	0.3	2.7E-02	1.2E-02	2.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	135.2	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	3.3	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	1,694.5	2.5	0.1	15.4	59.1	8.2	2.3
1.A - Fuel Combustion Activities	1,694.5	2.5	0.1	15.4	59.1	8.2	2.3
1.A.1 - Energy Industries	39.8	0.1	1.9E-02	0.5	0.4	3.5E-02	0.4
1.A.1.a - Main Activity Electricity and Heat Production	39.8	4.4E-04	6.3E-04	8.8E-02	3.7E-03	4.0E-04	0.3
1.A.1.a.i - Electricity Generation	39.8	4.4E-04	6.3E-04	8.8E-02	3.7E-03	4.0E-04	0.3
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	121.5	1.0E-02	1.6E-03	0.4	0.1	0.4	2.8E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	120.0	1.0E-02	1.6E-03	0.4	0.1	0.4	2.7E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.5	6.2E-05	1.2E-05	1.1E-02	1.4E-03	5.0E-04	1.0E-03
1.A.3 - Transport	1,112.8	0.3	6.8E-02	6.7	29.9	3.0	1.4E-02
1.A.3.a - Civil Aviation	16.3	1.2E-04	4.6E-04	3.6E-02	3.4	5.5E-02	5.2E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	16.3	1.2E-04	4.6E-04	3.6E-02	3.4	5.5E-02	5.2E-03
1.A.3.b - Road Transportation	1,056.6	0.3	5.2E-02	6.0	26.3	2.8	9.1E-03
1.A.3.b.i - Cars	284.9	0.1	1.3E-02	0.9	6.6	0.8	3.2E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	91.2	3.7E-02	4.3E-03	0.3	2.1	0.3	1.0E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	193.7	7.9E-02	9.1E-03	0.6	4.5	0.5	2.2E-03
1.A.3.b.ii - Light-duty trucks	480.8	0.2	2.3E-02	2.1	18.8	1.8	5.2E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	360.6	0.1	1.7E-02	1.6	14.1	1.4	3.9E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	120.2	4.6E-02	5.7E-03	0.5	4.7	0.5	1.3E-03
1.A.3.b.iii - Heavy-duty trucks and buses	289.9	1.5E-02	1.5E-02	3.0	0.7	0.2	7.0E-04
1.A.3.b.iv - Motorcycles	1.1	5.0E-04	4.9E-05	2.3E-03	0.2	4.5E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	39.9	2.2E-03	1.5E-02	0.7	0.1	5.9E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	393.6	2.0	2.8E-02	7.5	28.6	4.7	1.9
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	104.9	2.0	2.6E-02	0.6	26.3	4.0	7.2E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	288.7	3.9E-02	2.3E-03	6.9	2.3	0.8	1.8
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	288.7	3.9E-02	2.3E-03	6.9	2.3	0.8	1.8
1.A.5 - Non-Specified	26.8	1.4E-03	1.4E-03	0.3	6.4E-02	1.6E-02	1.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	26.8	1.4E-03	1.4E-03	0.3	6.4E-02	1.6E-02	1.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	26.8	1.4E-03	1.4E-03	0.3	6.4E-02	1.6E-02	1.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	213.4	1.3E-02	5.8E-03	3.6	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	78.2	5.5E-04	2.2E-03	0.3	2.7E-02	1.2E-02	2.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	135.2	1.3E-02	3.6E-03	3.3	0.5	0.2	0.5
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,259.1	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	24.5	-	4.0E-03	20.2	-	-	-	-	-	-	1.1	-
2.A - Mineral Industry	6.3	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.7	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	20.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	20.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	15.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	4.0E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	4.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	4.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.4	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.4	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-96,109.3	250.7	8.5	26.3	1,678.0	9.7
3.A - Livestock	NA	141.3	0.3	NA	NA	9.7
3.A.1 - Enteric Fermentation	NA	138.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	116.5	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	116.3	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	10.4	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.6	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.0	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.6	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.5E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.3	0.3	NA	NA	9.7
3.A.2.a - Cattle	NA	2.2	0.3	NA	NA	7.9
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.2	0.3	NA	NA	7.9
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	0.9
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	1.5E-02	7.7E-04	NA	NA	8.1E-03
3.A.2.i - Poultry	NA	1.2E-02	3.4E-04	NA	NA	4.4E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-95,927.0	NA	NO	NO	NO	NO
3.B.1 - Forest land	-104,662.3	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-103,042.4	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	109.4	8.2	26.3	1,678.0	NO
3.C.1 - Emissions from biomass burning	-	109.4	3.2	26.3	1,678.0	NO
3.C.1.a - Biomass burning in forest lands	NA	109.0	3.2	25.6	1,666.8	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.4	3.6E-02	0.7	11.1	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.6	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.9E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-182.6	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-182.6	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.1	2.8	7.8E-02	0.2	4.0	0.2	7.9E-03
4.A - Solid Waste Disposal	-	1.1	-	-	-	9.7E-02	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	9.7E-02	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.1	0.5	6.2E-03	0.2	4.0	8.9E-02	7.9E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.1	0.5	6.2E-03	0.2	4.0	8.9E-02	7.9E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.2E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.3	7.2E-02	NO	NO	6.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.9	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-94,389.2	256.0	8.7	20.2	NE	NE	NE	NE	41.9	1,741.1	19.1	2.3
1 - Energy	1,694.5	2.5	0.1	NA	NA	NA	NA	NA	15.4	59.1	8.2	2.3
1.A - Fuel Combustion Activities	1,694.5	2.5	0.1	NA	NA	NA	NA	NA	15.4	59.1	8.2	2.3
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	24.5	NO	8.0E-03	20.2	NE	NE	NE	NE	NO	NO	1.1	NO	NO
2.A - Mineral Industry	6.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.7	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	20.2	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.0E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.4	-	-
3 - Agriculture, Forestry, and Other Land Use	-96,109.3	250.7	8.5	NA	NA	NA	NA	NA	26.3	1,678.0	9.7	NO	NO
3.A - Livestock		141.3	0.3	NA	NA	NA	NA	NA	NA	NA	9.7	-	-
3.B - Land	-95,927.0		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	109.4	8.2	NA	NA	NA	NA	NA	26.3	1,678.0	NA	NA	NA
3.D - Other	-182.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.1	2.8	7.8E-02	NA	NA	NA	NA	NA	0.2	4.0	0.2	7.9E-03	7.9E-03
4.A - Solid Waste Disposal	NA	1.1	NO	NA	NA	NA	NA	NA	NO	NO	9.7E-02	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.1	0.5	6.2E-03	NA	NA	NA	NA	NA	0.2	4.0	8.9E-02	7.9E-03	7.9E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.2E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	213.4	1.3E-02	5.8E-03	NA	NA	NA	NA	NA	3.6	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	78.2	5.5E-04	2.2E-03	NA	NA	NA	NA	NA	0.3	2.7E-02	1.2E-02	2.5E-02	2.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	135.2	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	3.3	0.5	0.2	0.5	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 1999 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-96,159.4	253.3	8.6	24.4	NE	NE	NE	NE	41.7	1,622.0	19.9	2.6
1 - Energy	1,827.3	2.5	0.1	NA	NA	NA	NA	NA	17.0	60.9	8.4	2.6
1.A - Fuel Combustion Activities	1,827.3	2.5	0.1	NA	NA	NA	NA	NA	17.0	60.9	8.4	2.6
1.A.1 - Energy Industries	42.1	0.1	1.9E-02	NA	NA	NA	NA	NA	0.5	0.4	3.5E-02	0.4
1.A.2 - Manufacturing Industries and Construction	126.2	1.1E-02	1.7E-03	NA	NA	NA	NA	NA	0.5	0.1	0.4	3.0E-02
1.A.3 - Transport	1,195.0	0.3	7.2E-02	NA	NA	NA	NA	NA	7.3	31.4	3.1	1.5E-02
1.A.4 - Other Sectors	434.2	2.0	2.9E-02	NA	NA	NA	NA	NA	8.5	28.9	4.8	2.2
1.A.5 - Non-Specified	29.8	1.6E-03	1.6E-03	NA	NA	NA	NA	NA	0.3	7.1E-02	1.8E-02	1.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	25.0	NO	8.4E-03	24.4	NE	NE	NE	NE	NO	NO	1.2	NO
2.A - Mineral Industry	6.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.7	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	24.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	24.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.4E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	8.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.5	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.5	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-98,012.9	247.8	8.4	NA	NA	NA	NA	NA	24.4	1,556.9	10.0	NO
3.A - Livestock	NA	146.3	0.3	NA	NA	NA	NA	NA	NA	NA	10.0	NA
3.A.1 - Enteric Fermentation	NA	142.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.5	0.3	NA	NA	NA	NA	NA	NA	NA	10.0	NA
3.B - Land	-97,814.2	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-106,549.4	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.2	101.5	8.1	NA	NA	NA	NA	NA	24.4	1,556.9	NA	NA
3.C.1 - Emissions from biomass burning	NA	101.5	3.0	NA	NA	NA	NA	NA	24.4	1,556.9	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-199.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-199.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.2	3.0	8.0E-02	NA	NA	NA	NA	NA	0.2	4.2	0.2	8.2E-03
4.A - Solid Waste Disposal	NA	1.2	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.2	0.5	6.4E-03	NA	NA	NA	NA	NA	0.2	4.2	9.2E-02	8.2E-03

4.D - Wastewater Treatment and Discharge	NA	1.3	7.3E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	214.2	1.3E-02	5.8E-03	NA	NA	NA	NA	NA	3.6	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers)	80.1	5.6E-04	2.2E-03	NA	NA	NA	NA	NA	0.3	2.8E-02	1.3E-02	2.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	134.1	1.2E-02	3.6E-03	NA	NA	NA	NA	NA	3.3	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	1,827.3	2.5	0.1	17.0	60.9	8.4	2.6
1.A - Fuel Combustion Activities	1,827.3	2.5	0.1	17.0	60.9	8.4	2.6
1.A.1 - Energy Industries	42.1	0.1	1.9E-02	0.5	0.4	3.5E-02	0.4
1.A.1.a - Main Activity Electricity and Heat Production	42.1	4.6E-04	6.6E-04	9.3E-02	3.9E-03	5.0E-04	0.4
1.A.1.a.i - Electricity Generation	42.1	4.6E-04	6.6E-04	9.3E-02	3.9E-03	5.0E-04	0.4
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	126.2	1.1E-02	1.7E-03	0.5	0.1	0.4	3.0E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	124.6	1.1E-02	1.7E-03	0.5	0.1	0.4	2.9E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.6	6.6E-05	1.3E-05	1.1E-02	1.4E-03	5.0E-04	1.0E-03
1.A.3 - Transport	1,195.0	0.3	7.2E-02	7.3	31.4	3.1	1.5E-02
1.A.3.a - Civil Aviation	16.8	1.2E-04	4.8E-04	3.7E-02	3.5	5.6E-02	5.4E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	16.8	1.2E-04	4.8E-04	3.7E-02	3.5	5.6E-02	5.4E-03
1.A.3.b - Road Transportation	1,137.1	0.3	5.6E-02	6.5	27.7	3.0	9.7E-03
1.A.3.b.i - Cars	302.2	0.1	1.4E-02	0.9	7.0	0.8	3.4E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	96.7	3.9E-02	4.6E-03	0.3	2.2	0.3	1.1E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	205.5	8.3E-02	9.7E-03	0.6	4.7	0.6	2.3E-03
1.A.3.b.ii - Light-duty trucks	511.7	0.2	2.4E-02	2.2	19.8	1.9	5.5E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	383.8	0.1	1.8E-02	1.7	14.8	1.4	4.1E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	127.9	4.8E-02	6.1E-03	0.6	4.9	0.5	1.4E-03
1.A.3.b.iii - Heavy-duty trucks and buses	322.1	1.7E-02	1.7E-02	3.4	0.8	0.2	8.0E-04
1.A.3.b.iv - Motorcycles	1.1	5.3E-04	5.1E-05	2.4E-03	0.2	4.7E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	41.1	2.3E-03	1.6E-02	0.7	0.1	6.1E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	434.2	2.0	2.9E-02	8.5	28.9	4.8	2.2
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	103.3	2.0	2.6E-02	0.6	26.5	4.0	7.3E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	330.9	4.5E-02	2.7E-03	8.0	2.4	0.8	2.1
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	330.9	4.5E-02	2.7E-03	8.0	2.4	0.8	2.1
1.A.5 - Non-Specified	29.8	1.6E-03	1.6E-03	0.3	7.1E-02	1.8E-02	1.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	29.8	1.6E-03	1.6E-03	0.3	7.1E-02	1.8E-02	1.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	29.8	1.6E-03	1.6E-03	0.3	7.1E-02	1.8E-02	1.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	214.2	1.3E-02	5.8E-03	3.6	0.6	0.2	0.6
1.A.3.a.i - International Aviation (International Bunkers) (1)	80.1	5.6E-04	2.2E-03	0.3	2.8E-02	1.3E-02	2.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	134.1	1.2E-02	3.6E-03	3.3	0.5	0.2	0.5
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,263.4	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	25.0	-	4.2E-03	24.4	-	-	-	-	-	-	1.2	-
2.A - Mineral Industry	6.9	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.7	NO
2.D.1 - Lubricant Use	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	24.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	24.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	19.0	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	5.5	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	4.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	4.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	4.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.5	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.5	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-98,012.9	247.8	8.4	24.4	1,556.9	10.0
3.A - Livestock	NA	146.3	0.3	NA	NA	10.0
3.A.1 - Enteric Fermentation	NA	142.8	NA	NA	NA	NA
3.A.1.a - Cattle	NA	120.5	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	120.3	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	10.8	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.4	NA	NA	NA	NA
3.A.1.e - Camels	NA	-	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.2	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.8	NA	NA	NA	NA
3.A.1.h - Swine	NA	1.9E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.5	0.3	NA	NA	10.0
3.A.2.a - Cattle	NA	2.3	0.3	NA	NA	8.2
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.3	0.3	NA	NA	8.2
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	0.9
3.A.2.e - Camels	NA	-	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	1.9E-02	9.9E-04	NA	NA	1.0E-02
3.A.2.i - Poultry	NA	1.4E-02	3.8E-04	NA	NA	4.9E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-97,814.2	NA	NO	NO	NO	NO
3.B.1 - Forest land	-106,549.4	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-104,929.6	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.2	101.5	8.1	24.4	1,556.9	NO
3.C.1 - Emissions from biomass burning	-	101.5	3.0	24.4	1,556.9	NO
3.C.1.a - Biomass burning in forest lands	NA	101.1	3.0	23.8	1,546.9	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.4	3.2E-02	0.6	10.0	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.2	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.8	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.0E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-199.0	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-199.0	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.2	3.0	8.0E-02	0.2	4.2	0.2	8.2E-03
4.A - Solid Waste Disposal	-	1.2	-	-	-	0.1	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.1	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.2	0.5	6.4E-03	0.2	4.2	9.2E-02	8.2E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.2	0.5	6.4E-03	0.2	4.2	9.2E-02	8.2E-03
4.D - Wastewater Treatment and Discharge	NA	1.3	7.3E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.3	7.3E-02	NO	NO	6.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.0	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-96,159.4	253.3	8.6	24.4	NE	NE	NE	NE	41.7	1,622.0	19.9	2.6
1 - Energy	1,827.3	2.5	0.1	NA	NA	NA	NA	NA	17.0	60.9	8.4	2.6
1.A - Fuel Combustion Activities	1,827.3	2.5	0.1	NA	NA	NA	NA	NA	17.0	60.9	8.4	2.6
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	25.0	NO	8.4E-03	24.4	NE	NE	NE	NE	NO	NO	1.2	NO	NO
2.A - Mineral Industry	6.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.7	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	24.4	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.4E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.5	-	-
3 - Agriculture, Forestry, and Other Land Use	-98,012.9	247.8	8.4	NA	NA	NA	NA	NA	24.4	1,556.9	10.0	NO	NO
3.A - Livestock		146.3	0.3	NA	NA	NA	NA	NA	NA	NA	10.0	-	-
3.B - Land	-97,814.2		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.2	101.5	8.1	NA	NA	NA	NA	NA	24.4	1,556.9	NA	NA	NA
3.D - Other	-199.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.2	3.0	8.0E-02	NA	NA	NA	NA	NA	0.2	4.2	0.2	8.2E-03	8.2E-03
4.A - Solid Waste Disposal	NA	1.2	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.2	0.5	6.4E-03	NA	NA	NA	NA	NA	0.2	4.2	9.2E-02	8.2E-03	8.2E-03
4.D - Wastewater Treatment and Discharge	NA	1.3	7.3E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	214.2	1.3E-02	5.8E-03	NA	NA	NA	NA	NA	3.6	0.6	0.2	0.6	0.6
1.A.3.a.i - International Aviation (International Bunkers)	80.1	5.6E-04	2.2E-03	NA	NA	NA	NA	NA	0.3	2.8E-02	1.3E-02	2.5E-02	2.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	134.1	1.2E-02	3.6E-03	NA	NA	NA	NA	NA	3.3	0.5	0.2	0.5	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2000 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-98,179.0	256.8	8.8	28.4	NE	NE	NE	NE	39.6	1,475.4	21.3	2.3
1 - Energy	1,867.5	2.5	0.1	NA	NA	NA	NA	NA	17.3	62.8	8.7	2.3
1.A - Fuel Combustion Activities	1,867.5	2.5	0.1	NA	NA	NA	NA	NA	17.3	62.8	8.7	2.3
1.A.1 - Energy Industries	7.3	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.4E-02	0.1
1.A.2 - Manufacturing Industries and Construction	130.5	1.1E-02	1.8E-03	NA	NA	NA	NA	NA	0.5	0.1	0.5	3.1E-02
1.A.3 - Transport	1,277.7	0.4	7.6E-02	NA	NA	NA	NA	NA	7.8	32.9	3.3	1.6E-02
1.A.4 - Other Sectors	419.2	2.0	2.9E-02	NA	NA	NA	NA	NA	8.3	29.3	4.9	2.1
1.A.5 - Non-Specified	32.8	1.7E-03	1.7E-03	NA	NA	NA	NA	NA	0.3	7.8E-02	2.0E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	25.0	NO	8.8E-03	28.4	NE	NE	NE	NE	NO	NO	1.3	NO
2.A - Mineral Industry	7.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	17.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO
2.D.1 - Lubricant Use	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.8	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	28.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	28.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.8E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	8.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.6	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.6	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-100,072.7	251.0	8.6	NA	NA	NA	NA	NA	22.1	1,408.3	11.0	NO
3.A - Livestock	NA	159.2	0.4	NA	NA	NA	NA	NA	NA	NA	11.0	NA
3.A.1 - Enteric Fermentation	NA	155.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.8	0.4	NA	NA	NA	NA	NA	NA	NA	11.0	NA
3.B - Land	-100,023.2	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-108,758.4	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	63.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.5	91.8	8.2	NA	NA	NA	NA	NA	22.1	1,408.3	NA	NA
3.C.1 - Emissions from biomass burning	NA	91.8	2.7	NA	NA	NA	NA	NA	22.1	1,408.3	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	4.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-50.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-50.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.2	3.2	8.0E-02	NA	NA	NA	NA	NA	0.2	4.3	0.2	8.5E-03
4.A - Solid Waste Disposal	NA	1.3	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.2	0.5	6.6E-03	NA	NA	NA	NA	NA	0.2	4.3	9.6E-02	8.5E-03

4.D - Wastewater Treatment and Discharge	NA	1.4	7.4E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	220.1	1.3E-02	6.0E-03	NA	NA	NA	NA	NA	3.6	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers)	87.2	6.1E-04	2.4E-03	NA	NA	NA	NA	NA	0.4	3.0E-02	1.4E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	132.9	1.2E-02	3.5E-03	NA	NA	NA	NA	NA	3.3	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	1,867.5	2.5	0.1	17.3	62.8	8.7	2.3
1.A - Fuel Combustion Activities	1,867.5	2.5	0.1	17.3	62.8	8.7	2.3
1.A.1 - Energy Industries	7.3	0.1	1.9E-02	0.4	0.4	3.4E-02	0.1
1.A.1.a - Main Activity Electricity and Heat Production	7.3	8.2E-05	1.1E-04	1.6E-02	7.0E-04	1.0E-04	6.3E-02
1.A.1.a.i - Electricity Generation	7.3	8.2E-05	1.1E-04	1.6E-02	7.0E-04	1.0E-04	6.3E-02
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	130.5	1.1E-02	1.8E-03	0.5	0.1	0.5	3.1E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	128.8	1.1E-02	1.7E-03	0.5	0.1	0.5	2.9E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.7	7.0E-05	1.4E-05	1.2E-02	1.5E-03	6.0E-04	1.1E-03
1.A.3 - Transport	1,277.7	0.4	7.6E-02	7.8	32.9	3.3	1.6E-02
1.A.3.a - Civil Aviation	19.0	1.3E-04	5.4E-04	4.4E-02	3.6	5.8E-02	6.1E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	19.0	1.3E-04	5.4E-04	4.4E-02	3.6	5.8E-02	6.1E-03
1.A.3.b - Road Transportation	1,217.6	0.4	6.0E-02	7.1	29.1	3.2	1.0E-02
1.A.3.b.i - Cars	319.5	0.1	1.5E-02	1.0	7.3	0.9	3.5E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	102.2	4.1E-02	4.8E-03	0.3	2.3	0.3	1.1E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	217.2	8.7E-02	1.0E-02	0.7	5.0	0.6	2.4E-03
1.A.3.b.ii - Light-duty trucks	542.6	0.2	2.6E-02	2.4	20.8	2.0	5.7E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	406.9	0.2	1.9E-02	1.8	15.6	1.5	4.3E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	135.6	5.1E-02	6.5E-03	0.6	5.2	0.5	1.4E-03
1.A.3.b.iii - Heavy-duty trucks and buses	354.4	1.9E-02	1.9E-02	3.7	0.8	0.2	9.0E-04
1.A.3.b.iv - Motorcycles	1.2	5.5E-04	5.3E-05	2.5E-03	0.2	5.0E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	41.1	2.3E-03	1.6E-02	0.7	0.1	6.1E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	419.2	2.0	2.9E-02	8.3	29.3	4.9	2.1
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	96.8	2.0	2.6E-02	0.6	26.6	4.0	7.3E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	322.4	4.4E-02	2.6E-03	7.7	2.6	0.9	2.0
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	322.4	4.4E-02	2.6E-03	7.7	2.6	0.9	2.0
1.A.5 - Non-Specified	32.8	1.7E-03	1.7E-03	0.3	7.8E-02	2.0E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	32.8	1.7E-03	1.7E-03	0.3	7.8E-02	2.0E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	32.8	1.7E-03	1.7E-03	0.3	7.8E-02	2.0E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	220.1	1.3E-02	6.0E-03	3.6	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers) (1)	87.2	6.1E-04	2.4E-03	0.4	3.0E-02	1.4E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	132.9	1.2E-02	3.5E-03	3.3	0.5	0.2	0.5
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,267.7	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	25.0	-	4.4E-03	28.4	-	-	-	-	-	-	1.3	-
2.A - Mineral Industry	7.1	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	17.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO
2.D.1 - Lubricant Use	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.8	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	28.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	28.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	22.1	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	6.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	4.4E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	4.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	4.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.6	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.6	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-100,072.7	251.0	8.6	22.1	1,408.3	11.0
3.A - Livestock	NA	159.2	0.4	NA	NA	11.0
3.A.1 - Enteric Fermentation	NA	155.4	NA	NA	NA	NA
3.A.1.a - Cattle	NA	131.1	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	131.0	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	12.2	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.2	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.5E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.1	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.7	NA	NA	NA	NA
3.A.1.h - Swine	NA	2.3E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.8	0.4	NA	NA	11.0
3.A.2.a - Cattle	NA	2.5	0.4	NA	NA	9.0
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.5	0.4	NA	NA	9.0
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	1.4E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.3
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	2.3E-02	1.2E-03	NA	NA	1.3E-02
3.A.2.i - Poultry	NA	1.4E-02	4.0E-04	NA	NA	5.1E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-100,023.2	NA	NO	NO	NO	NO
3.B.1 - Forest land	-108,758.4	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-107,138.6	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,619.9	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-250.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,369.6	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,671.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	63.3	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	55.5	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.5	91.8	8.2	22.1	1,408.3	NO
3.C.1 - Emissions from biomass burning	-	91.8	2.7	22.1	1,408.3	NO
3.C.1.a - Biomass burning in forest lands	NA	91.5	2.7	21.5	1,399.6	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.8E-02	0.5	8.7	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.5	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.1	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	4.0E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-50.1	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-50.1	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.2	3.2	8.0E-02	0.2	4.3	0.2	8.5E-03
4.A - Solid Waste Disposal	-	1.3	-	-	-	0.1	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.1	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.2	0.5	6.6E-03	0.2	4.3	9.6E-02	8.5E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.2	0.5	6.6E-03	0.2	4.3	9.6E-02	8.5E-03
4.D - Wastewater Treatment and Discharge	NA	1.4	7.4E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.3	7.4E-02	NO	NO	6.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.1	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-98,179.0	256.8	8.8	28.4	NE	NE	NE	NE	39.6	1,475.4	21.3	2.3
1 - Energy	1,867.5	2.5	0.1	NA	NA	NA	NA	NA	17.3	62.8	8.7	2.3
1.A - Fuel Combustion Activities	1,867.5	2.5	0.1	NA	NA	NA	NA	NA	17.3	62.8	8.7	2.3
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	25.0	NO	8.8E-03	28.4	NE	NE	NE	NE	NO	NO	1.3	NO	NO
2.A - Mineral Industry	7.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	17.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	28.4	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.8E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.6	-	-
3 - Agriculture, Forestry, and Other Land Use	-100,072.7	251.0	8.6	NA	NA	NA	NA	NA	22.1	1,408.3	11.0	NO	NO
3.A - Livestock		159.2	0.4	NA	NA	NA	NA	NA	NA	NA	11.0	-	-
3.B - Land	-100,023.2		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.5	91.8	8.2	NA	NA	NA	NA	NA	22.1	1,408.3	NA	NA	NA
3.D - Other	-50.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.2	3.2	8.0E-02	NA	NA	NA	NA	NA	0.2	4.3	0.2	8.5E-03	8.5E-03
4.A - Solid Waste Disposal	NA	1.3	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.2	0.5	6.6E-03	NA	NA	NA	NA	NA	0.2	4.3	9.6E-02	8.5E-03	8.5E-03
4.D - Wastewater Treatment and Discharge	NA	1.4	7.4E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	220.1	1.3E-02	6.0E-03	NA	NA	NA	NA	NA	3.6	0.6	0.2	0.5	0.5
1.A.3.a.i - International Aviation (International Bunkers)	87.2	6.1E-04	2.4E-03	NA	NA	NA	NA	NA	0.4	3.0E-02	1.4E-02	2.8E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	132.9	1.2E-02	3.5E-03	NA	NA	NA	NA	NA	3.3	0.5	0.2	0.5	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2001 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-98,070.0	257.9	8.9	32.2	NE	NE	NE	NE	41.2	1,488.7	21.2	2.5
1 - Energy	2,045.9	2.6	0.1	NA	NA	NA	NA	NA	18.7	65.5	8.6	2.5
1.A - Fuel Combustion Activities	2,045.9	2.6	0.1	NA	NA	NA	NA	NA	18.7	65.5	8.6	2.5
1.A.1 - Energy Industries	9.2	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.4E-02	0.1
1.A.2 - Manufacturing Industries and Construction	141.8	1.2E-02	1.9E-03	NA	NA	NA	NA	NA	0.3	4.7E-02	1.8E-02	3.0E-02
1.A.3 - Transport	1,408.4	0.4	8.3E-02	NA	NA	NA	NA	NA	8.6	35.4	3.6	1.7E-02
1.A.4 - Other Sectors	449.6	2.0	2.9E-02	NA	NA	NA	NA	NA	9.0	29.5	4.9	2.3
1.A.5 - Non-Specified	36.9	1.9E-03	1.9E-03	NA	NA	NA	NA	NA	0.4	8.8E-02	2.2E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	24.6	NO	9.3E-03	32.2	NE	NE	NE	NE	NO	NO	1.5	NO
2.A - Mineral Industry	8.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	8.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	16.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO
2.D.1 - Lubricant Use	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	16.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.8	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	32.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	32.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	9.3E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	9.3E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-100,141.8	252.1	8.7	NA	NA	NA	NA	NA	22.2	1,418.8	10.9	NO
3.A - Livestock	NA	159.6	0.4	NA	NA	NA	NA	NA	NA	NA	10.9	NA
3.A.1 - Enteric Fermentation	NA	155.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.9	NA
3.B - Land	-99,968.5	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-108,914.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	3.0	92.5	8.3	NA	NA	NA	NA	NA	22.2	1,418.8	NA	NA
3.C.1 - Emissions from biomass burning	NA	92.5	2.7	NA	NA	NA	NA	NA	22.2	1,418.8	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	4.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-176.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-176.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.3	3.3	8.1E-02	NA	NA	NA	NA	NA	0.3	4.5	0.2	8.9E-03
4.A - Solid Waste Disposal	NA	1.4	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.3	0.5	6.9E-03	NA	NA	NA	NA	NA	0.3	4.5	9.9E-02	8.9E-03

4.D - Wastewater Treatment and Discharge	NA	1.3	7.4E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	223.0	1.3E-02	6.0E-03	NA	NA	NA	NA	NA	2.3	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers)	88.1	6.2E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.1E-02	1.4E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	134.9	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	1.9	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	2,045.9	2.6	0.1	18.7	65.5	8.6	2.5
1.A - Fuel Combustion Activities	2,045.9	2.6	0.1	18.7	65.5	8.6	2.5
1.A.1 - Energy Industries	9.2	0.1	1.9E-02	0.4	0.4	3.4E-02	0.1
1.A.1.a - Main Activity Electricity and Heat Production	9.2	1.1E-04	1.4E-04	2.0E-02	9.0E-04	1.0E-04	7.9E-02
1.A.1.a.i - Electricity Generation	9.2	1.1E-04	1.4E-04	2.0E-02	9.0E-04	1.0E-04	7.9E-02
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	141.8	1.2E-02	1.9E-03	0.3	4.7E-02	1.8E-02	3.0E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	140.1	1.2E-02	1.9E-03	0.3	4.5E-02	1.8E-02	2.9E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.7	7.0E-05	1.4E-05	1.2E-02	1.5E-03	6.0E-04	1.1E-03
1.A.3 - Transport	1,408.4	0.4	8.3E-02	8.6	35.4	3.6	1.7E-02
1.A.3.a - Civil Aviation	19.2	1.4E-04	5.4E-04	4.4E-02	3.7	5.8E-02	6.1E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	19.2	1.4E-04	5.4E-04	4.4E-02	3.7	5.8E-02	6.1E-03
1.A.3.b - Road Transportation	1,345.8	0.4	6.6E-02	7.9	31.6	3.4	1.1E-02
1.A.3.b.i - Cars	349.1	0.1	1.7E-02	1.1	8.0	1.0	3.9E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	111.7	4.5E-02	5.3E-03	0.3	2.6	0.3	1.2E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	237.4	9.5E-02	1.1E-02	0.7	5.4	0.6	2.7E-03
1.A.3.b.ii - Light-duty trucks	593.9	0.2	2.8E-02	2.6	22.4	2.2	6.1E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	445.4	0.2	2.1E-02	2.0	16.8	1.6	4.6E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	148.5	5.5E-02	7.1E-03	0.7	5.6	0.5	1.5E-03
1.A.3.b.iii - Heavy-duty trucks and buses	401.5	2.1E-02	2.1E-02	4.2	1.0	0.2	1.0E-03
1.A.3.b.iv - Motorcycles	1.3	6.1E-04	5.9E-05	2.8E-03	0.2	5.5E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	43.4	2.4E-03	1.7E-02	0.7	0.1	6.4E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	449.6	2.0	2.9E-02	9.0	29.5	4.9	2.3
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	98.0	2.0	2.6E-02	0.6	26.7	4.0	7.3E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	351.6	4.8E-02	2.9E-03	8.4	2.8	0.9	2.2
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	351.6	4.8E-02	2.9E-03	8.4	2.8	0.9	2.2
1.A.5 - Non-Specified	36.9	1.9E-03	1.9E-03	0.4	8.8E-02	2.2E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	36.9	1.9E-03	1.9E-03	0.4	8.8E-02	2.2E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	36.9	1.9E-03	1.9E-03	0.4	8.8E-02	2.2E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	223.0	1.3E-02	6.0E-03	2.3	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers) (1)	88.1	6.2E-04	2.5E-03	0.4	3.1E-02	1.4E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	134.9	1.3E-02	3.6E-03	1.9	0.5	0.2	0.5
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,272.0	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	24.6	-	4.6E-03	32.2	-	-	-	-	-	-	1.5	-
2.A - Mineral Industry	8.3	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	8.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	16.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO
2.D.1 - Lubricant Use	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	16.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.8	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	32.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	32.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	25.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	7.0	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	4.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	4.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	4.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.7	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-100,141.8	252.1	8.7	22.2	1,418.8	10.9
3.A - Livestock	NA	159.6	0.4	NA	NA	10.9
3.A.1 - Enteric Fermentation	NA	155.8	NA	NA	NA	NA
3.A.1.a - Cattle	NA	132.5	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	132.3	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	11.8	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.8	NA	NA	NA	NA
3.A.1.e - Camels	NA	3.3E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.7	NA	NA	NA	NA
3.A.1.h - Swine	NA	2.2E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.7	0.4	NA	NA	10.9
3.A.2.a - Cattle	NA	2.5	0.4	NA	NA	9.0
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.5	0.4	NA	NA	9.0
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	1.8E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	2.2E-02	1.2E-03	NA	NA	1.2E-02
3.A.2.i - Poultry	NA	1.5E-02	4.3E-04	NA	NA	5.4E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-99,968.5	NA	NO	NO	NO	NO
3.B.1 - Forest land	-108,914.9	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-107,415.9	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	3.0	92.5	8.3	22.2	1,418.8	NO
3.C.1 - Emissions from biomass burning	-	92.5	2.7	22.2	1,418.8	NO
3.C.1.a - Biomass burning in forest lands	NA	92.2	2.7	21.7	1,410.4	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.7E-02	0.5	8.4	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	3.0	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.2	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	4.0E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-176.3	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-176.3	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.3	3.3	8.1E-02	0.3	4.5	0.2	8.9E-03
4.A - Solid Waste Disposal	-	1.4	-	-	-	0.1	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.1	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.3	0.5	6.9E-03	0.3	4.5	9.9E-02	8.9E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.3	0.5	6.9E-03	0.3	4.5	9.9E-02	8.9E-03
4.D - Wastewater Treatment and Discharge	NA	1.3	7.4E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.4	7.4E-02	NO	NO	6.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.0	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-98,070.0	257.9	8.9	32.2	NE	NE	NE	NE	41.2	1,488.7	21.2	2.5
1 - Energy	2,045.9	2.6	0.1	NA	NA	NA	NA	NA	18.7	65.5	8.6	2.5
1.A - Fuel Combustion Activities	2,045.9	2.6	0.1	NA	NA	NA	NA	NA	18.7	65.5	8.6	2.5
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	24.6	NO	9.3E-03	32.2	NE	NE	NE	NE	NO	NO	1.5	NO	NO
2.A - Mineral Industry	8.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	16.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	32.2	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	9.3E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.7	-	-
3 - Agriculture, Forestry, and Other Land Use	-100,141.8	252.1	8.7	NA	NA	NA	NA	NA	22.2	1,418.8	10.9	NO	NO
3.A - Livestock		159.6	0.4	NA	NA	NA	NA	NA	NA	NA	10.9	-	-
3.B - Land	-99,968.5		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	3.0	92.5	8.3	NA	NA	NA	NA	NA	22.2	1,418.8	NA	NA	NA
3.D - Other	-176.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.3	3.3	8.1E-02	NA	NA	NA	NA	NA	0.3	4.5	0.2	8.9E-03	8.9E-03
4.A - Solid Waste Disposal	NA	1.4	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.3	0.5	6.9E-03	NA	NA	NA	NA	NA	0.3	4.5	9.9E-02	8.9E-03	8.9E-03
4.D - Wastewater Treatment and Discharge	NA	1.3	7.4E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	223.0	1.3E-02	6.0E-03	NA	NA	NA	NA	NA	2.3	0.6	0.2	0.5	0.5
1.A.3.a.i - International Aviation (International Bunkers)	88.1	6.2E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.1E-02	1.4E-02	2.8E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	134.9	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	1.9	0.5	0.2	0.5	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2002 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-102,255.9	229.5	8.1	35.7	NE	NE	NE	NE	37.6	1,143.0	20.9	2.8
1 - Energy	2,092.8	2.6	0.1	NA	NA	NA	NA	NA	20.5	65.7	8.7	2.8
1.A - Fuel Combustion Activities	2,092.8	2.6	0.1	NA	NA	NA	NA	NA	20.5	65.7	8.7	2.8
1.A.1 - Energy Industries	0.5	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.4E-02	5.4E-02
1.A.2 - Manufacturing Industries and Construction	109.4	9.2E-03	1.5E-03	NA	NA	NA	NA	NA	0.3	5.5E-02	2.3E-02	2.9E-02
1.A.3 - Transport	1,417.1	0.4	8.5E-02	NA	NA	NA	NA	NA	8.8	35.1	3.5	1.7E-02
1.A.4 - Other Sectors	528.2	2.1	3.0E-02	NA	NA	NA	NA	NA	10.7	30.0	5.1	2.7
1.A.5 - Non-Specified	37.6	2.0E-03	2.0E-03	NA	NA	NA	NA	NA	0.4	9.0E-02	2.2E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	26.8	NO	9.7E-03	35.7	NE	NE	NE	NE	NO	NO	1.4	NO
2.A - Mineral Industry	8.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	8.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO
2.D.1 - Lubricant Use	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.8	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	35.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	35.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	9.7E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	9.7E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.6	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.6	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-104,376.9	223.6	7.8	NA	NA	NA	NA	NA	16.8	1,072.6	10.5	NO
3.A - Livestock	NA	153.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.5	NA
3.A.1 - Enteric Fermentation	NA	150.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.5	NA
3.B - Land	-104,418.3	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-113,364.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	2.1	70.0	7.5	NA	NA	NA	NA	NA	16.8	1,072.6	NA	NA
3.C.1 - Emissions from biomass burning	NA	70.0	2.1	NA	NA	NA	NA	NA	16.8	1,072.6	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	7.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	39.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	39.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.3	3.3	8.1E-02	NA	NA	NA	NA	NA	0.3	4.7	0.2	9.3E-03
4.A - Solid Waste Disposal	NA	1.6	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.3	0.6	7.2E-03	NA	NA	NA	NA	NA	0.3	4.7	0.1	9.3E-03

4.D - Wastewater Treatment and Discharge	NA	1.2	7.4E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	225.6	1.3E-02	6.1E-03	NA	NA	NA	NA	NA	2.3	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers)	89.0	6.2E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.1E-02	1.4E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	136.6	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	1.9	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	2,092.8	2.6	0.1	20.5	65.7	8.7	2.8
1.A - Fuel Combustion Activities	2,092.8	2.6	0.1	20.5	65.7	8.7	2.8
1.A.1 - Energy Industries	0.5	0.1	1.9E-02	0.4	0.4	3.4E-02	5.4E-02
1.A.1.a - Main Activity Electricity and Heat Production	0.5	1.6E-05	3.9E-06	9.0E-04	1.0E-04	-	3.0E-03
1.A.1.a.i - Electricity Generation	0.5	1.6E-05	3.9E-06	9.0E-04	1.0E-04	-	3.0E-03
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	109.4	9.2E-03	1.5E-03	0.3	5.5E-02	2.3E-02	2.9E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	107.5	9.2E-03	1.4E-03	0.3	5.4E-02	2.3E-02	2.8E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.9	7.9E-05	1.6E-05	1.4E-02	1.7E-03	7.0E-04	1.2E-03
1.A.3 - Transport	1,417.1	0.4	8.5E-02	8.8	35.1	3.5	1.7E-02
1.A.3.a - Civil Aviation	19.4	1.4E-04	5.5E-04	4.5E-02	3.7	5.9E-02	6.2E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	19.4	1.4E-04	5.5E-04	4.5E-02	3.7	5.9E-02	6.2E-03
1.A.3.b - Road Transportation	1,352.1	0.4	6.6E-02	8.0	31.2	3.4	1.1E-02
1.A.3.b.i - Cars	345.7	0.1	1.6E-02	1.1	7.9	0.9	3.8E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	110.6	4.4E-02	5.2E-03	0.3	2.5	0.3	1.2E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	235.1	9.4E-02	1.1E-02	0.7	5.4	0.6	2.6E-03
1.A.3.b.ii - Light-duty trucks	594.1	0.2	2.8E-02	2.6	22.1	2.2	6.1E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	445.6	0.2	2.1E-02	2.0	16.6	1.6	4.6E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	148.5	5.4E-02	7.1E-03	0.7	5.5	0.5	1.5E-03
1.A.3.b.iii - Heavy-duty trucks and buses	410.9	2.2E-02	2.2E-02	4.3	1.0	0.2	1.0E-03
1.A.3.b.iv - Motorcycles	1.3	6.2E-04	6.0E-05	2.8E-03	0.2	5.6E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	45.6	2.6E-03	1.8E-02	0.8	0.2	6.7E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	528.2	2.1	3.0E-02	10.7	30.0	5.1	2.7
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	109.2	2.0	2.7E-02	0.6	27.0	4.0	7.4E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	419.0	5.7E-02	3.4E-03	10.1	3.0	1.0	2.6
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	419.0	5.7E-02	3.4E-03	10.1	3.0	1.0	2.6
1.A.5 - Non-Specified	37.6	2.0E-03	2.0E-03	0.4	9.0E-02	2.2E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	37.6	2.0E-03	2.0E-03	0.4	9.0E-02	2.2E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	37.6	2.0E-03	2.0E-03	0.4	9.0E-02	2.2E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	225.6	1.3E-02	6.1E-03	2.3	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers) (1)	89.0	6.2E-04	2.5E-03	0.4	3.1E-02	1.4E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	136.6	1.3E-02	3.6E-03	1.9	0.5	0.2	0.5
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,279.5	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	26.8	-	4.8E-03	35.7	-	-	-	-	-	-	1.4	-
2.A - Mineral Industry	8.6	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	8.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO
2.D.1 - Lubricant Use	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.8	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	35.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	35.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	28.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	7.5	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	4.8E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	4.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	4.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.6	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.6	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-104,376.9	223.6	7.8	16.8	1,072.6	10.5
3.A - Livestock	NA	153.7	0.4	NA	NA	10.5
3.A.1 - Enteric Fermentation	NA	150.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	123.4	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	123.2	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.8	NA	NA	NA	NA
3.A.1.d - Goats	NA	10.6	NA	NA	NA	NA
3.A.1.e - Camels	NA	4.0E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.3	NA	NA	NA	NA
3.A.1.h - Swine	NA	4.8E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.7	0.4	NA	NA	10.5
3.A.2.a - Cattle	NA	2.3	0.4	NA	NA	8.4
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.3	0.4	NA	NA	8.4
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.6	NA	NA	NA	0.5
3.A.2.d - Goats	NA	0.5	NA	NA	NA	1.1
3.A.2.e - Camels	NA	2.3E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	4.8E-02	2.5E-03	NA	NA	2.6E-02
3.A.2.i - Poultry	NA	2.7E-02	7.5E-04	NA	NA	9.5E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-104,418.3	NA	NO	NO	NO	NO
3.B.1 - Forest land	-113,364.7	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-111,865.7	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	2.1	70.0	7.5	16.8	1,072.6	NO
3.C.1 - Emissions from biomass burning	-	70.0	2.1	16.8	1,072.6	NO
3.C.1.a - Biomass burning in forest lands	NA	69.7	2.1	16.4	1,066.5	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.2	2.0E-02	0.4	6.1	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	2.1	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.1	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	7.2E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	39.4	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	39.4	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.3	3.3	8.1E-02	0.3	4.7	0.2	9.3E-03
4.A - Solid Waste Disposal	-	1.6	-	-	-	0.1	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.1	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.3	0.6	7.2E-03	0.3	4.7	0.1	9.3E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.3	0.6	7.2E-03	0.3	4.7	0.1	9.3E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.4E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.4	7.4E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.8	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-102,255.9	229.5	8.1	35.7	NE	NE	NE	NE	37.6	1,143.0	20.9	2.8
1 - Energy	2,092.8	2.6	0.1	NA	NA	NA	NA	NA	20.5	65.7	8.7	2.8
1.A - Fuel Combustion Activities	2,092.8	2.6	0.1	NA	NA	NA	NA	NA	20.5	65.7	8.7	2.8
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	26.8	NO	9.7E-03	35.7	NE	NE	NE	NE	NO	NO	1.4	NO	NO
2.A - Mineral Industry	8.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.8	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	35.7	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	9.7E-03	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.6	-	-
3 - Agriculture, Forestry, and Other Land Use	-104,376.9	223.6	7.8	NA	NA	NA	NA	NA	16.8	1,072.6	10.5	NO	NO
3.A - Livestock		153.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.5	-	-
3.B - Land	-104,418.3		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	2.1	70.0	7.5	NA	NA	NA	NA	NA	16.8	1,072.6	NA	NA	NA
3.D - Other	39.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.3	3.3	8.1E-02	NA	NA	NA	NA	NA	0.3	4.7	0.2	9.3E-03	9.3E-03
4.A - Solid Waste Disposal	NA	1.6	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.3	0.6	7.2E-03	NA	NA	NA	NA	NA	0.3	4.7	0.1	9.3E-03	9.3E-03
4.D - Wastewater Treatment and Discharge	NA	1.2	7.4E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	225.6	1.3E-02	6.1E-03	NA	NA	NA	NA	NA	2.3	0.6	0.2	0.5	0.5
1.A.3.a.i - International Aviation (International Bunkers)	89.0	6.2E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.1E-02	1.4E-02	2.8E-02	2.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	136.6	1.3E-02	3.6E-03	NA	NA	NA	NA	NA	1.9	0.5	0.2	0.5	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2003 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-102,468.0	233.2	8.2	40.3	NE	NE	NE	NE	39.4	1,151.0	21.7	3.1
1 - Energy	2,378.9	2.7	0.1	NA	NA	NA	NA	NA	22.3	70.4	9.2	3.1
1.A - Fuel Combustion Activities	2,378.9	2.7	0.1	NA	NA	NA	NA	NA	22.3	70.4	9.2	3.1
1.A.1 - Energy Industries	21.3	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.5E-02	0.2
1.A.2 - Manufacturing Industries and Construction	143.3	1.3E-02	2.0E-03	NA	NA	NA	NA	NA	0.3	6.6E-02	2.8E-02	3.1E-02
1.A.3 - Transport	1,632.0	0.4	9.6E-02	NA	NA	NA	NA	NA	10.1	39.3	4.0	1.9E-02
1.A.4 - Other Sectors	541.0	2.1	3.1E-02	NA	NA	NA	NA	NA	11.0	30.4	5.1	2.8
1.A.5 - Non-Specified	41.3	2.2E-03	2.2E-03	NA	NA	NA	NA	NA	0.4	9.9E-02	2.5E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	28.6	NO	1.0E-02	40.3	NE	NE	NE	NE	NO	NO	1.6	NO
2.A - Mineral Industry	9.5	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	19.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.D.1 - Lubricant Use	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	40.3	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	40.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.0E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.0E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-104,876.9	226.7	8.0	NA	NA	NA	NA	NA	16.8	1,075.7	10.6	NO
3.A - Livestock	NA	156.6	0.3	NA	NA	NA	NA	NA	NA	NA	10.6	NA
3.A.1 - Enteric Fermentation	NA	152.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.7	0.3	NA	NA	NA	NA	NA	NA	NA	10.6	NA
3.B - Land	-104,835.1	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-113,781.5	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.9	70.2	7.6	NA	NA	NA	NA	NA	16.8	1,075.7	NA	NA
3.C.1 - Emissions from biomass burning	NA	70.2	2.1	NA	NA	NA	NA	NA	16.8	1,075.7	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	5.3E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-42.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-42.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.4	3.8	8.2E-02	NA	NA	NA	NA	NA	0.3	5.0	0.3	9.8E-03
4.A - Solid Waste Disposal	NA	1.7	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.4	0.6	7.6E-03	NA	NA	NA	NA	NA	0.3	5.0	0.1	9.8E-03

4.D - Wastewater Treatment and Discharge	NA	1.5	7.5E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	228.3	1.3E-02	6.2E-03	NA	NA	NA	NA	NA	2.2	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers)	89.9	6.3E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.1E-02	1.4E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	138.4	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	1.8	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	2,378.9	2.7	0.1	22.3	70.4	9.2	3.1
1.A - Fuel Combustion Activities	2,378.9	2.7	0.1	22.3	70.4	9.2	3.1
1.A.1 - Energy Industries	21.3	0.1	1.9E-02	0.4	0.4	3.5E-02	0.2
1.A.1.a - Main Activity Electricity and Heat Production	21.3	2.8E-04	3.2E-04	4.6E-02	2.2E-03	3.0E-04	0.2
1.A.1.a.i - Electricity Generation	21.3	2.8E-04	3.2E-04	4.6E-02	2.2E-03	3.0E-04	0.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	143.3	1.3E-02	2.0E-03	0.3	6.6E-02	2.8E-02	3.1E-02
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	141.5	1.3E-02	2.0E-03	0.3	6.4E-02	2.8E-02	3.0E-02
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	1.9	7.7E-05	1.5E-05	1.3E-02	1.7E-03	6.0E-04	1.2E-03
1.A.3 - Transport	1,632.0	0.4	9.6E-02	10.1	39.3	4.0	1.9E-02
1.A.3.a - Civil Aviation	19.6	1.4E-04	5.5E-04	4.5E-02	3.7	5.9E-02	6.3E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	19.6	1.4E-04	5.5E-04	4.5E-02	3.7	5.9E-02	6.3E-03
1.A.3.b - Road Transportation	1,564.5	0.4	7.7E-02	9.3	35.5	3.9	1.3E-02
1.A.3.b.i - Cars	400.0	0.2	1.9E-02	1.2	9.2	1.1	4.4E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	128.0	5.1E-02	6.1E-03	0.4	2.9	0.4	1.4E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	272.0	0.1	1.3E-02	0.8	6.2	0.7	3.0E-03
1.A.3.b.ii - Light-duty trucks	678.1	0.2	3.3E-02	3.0	24.9	2.4	6.9E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	508.6	0.2	2.4E-02	2.2	18.7	1.8	5.2E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	169.5	6.1E-02	8.1E-03	0.7	6.2	0.6	1.7E-03
1.A.3.b.iii - Heavy-duty trucks and buses	484.9	2.6E-02	2.6E-02	5.1	1.2	0.3	1.2E-03
1.A.3.b.iv - Motorcycles	1.5	7.1E-04	6.8E-05	3.2E-03	0.2	6.4E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	47.9	2.7E-03	1.8E-02	0.8	0.2	7.1E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	541.0	2.1	3.1E-02	11.0	30.4	5.1	2.8
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	108.7	2.0	2.7E-02	0.6	27.3	4.1	7.5E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	432.3	5.8E-02	3.5E-03	10.4	3.2	1.1	2.7
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	432.3	5.8E-02	3.5E-03	10.4	3.2	1.1	2.7
1.A.5 - Non-Specified	41.3	2.2E-03	2.2E-03	0.4	9.9E-02	2.5E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	41.3	2.2E-03	2.2E-03	0.4	9.9E-02	2.5E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	41.3	2.2E-03	2.2E-03	0.4	9.9E-02	2.5E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	228.3	1.3E-02	6.2E-03	2.2	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers) (1)	89.9	6.3E-04	2.5E-03	0.4	3.1E-02	1.4E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	138.4	1.3E-02	3.7E-03	1.8	0.5	0.2	0.5
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,287.0	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	28.6	-	5.0E-03	40.3	-	-	-	-	-	-	1.6	-
2.A - Mineral Industry	9.5	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	19.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.D.1 - Lubricant Use	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	40.3	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	40.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	31.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	8.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.0E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	5.0E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.7	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-104,876.9	226.7	8.0	16.8	1,075.7	10.6
3.A - Livestock	NA	156.6	0.3	NA	NA	10.6
3.A.1 - Enteric Fermentation	NA	152.9	NA	NA	NA	NA
3.A.1.a - Cattle	NA	125.6	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	125.4	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	14.8	NA	NA	NA	NA
3.A.1.d - Goats	NA	10.4	NA	NA	NA	NA
3.A.1.e - Camels	NA	5.7E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.2	NA	NA	NA	NA
3.A.1.h - Swine	NA	4.7E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.7	0.3	NA	NA	10.6
3.A.2.a - Cattle	NA	2.3	0.3	NA	NA	8.4
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.3	0.3	NA	NA	8.4
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.6	NA	NA	NA	0.5
3.A.2.d - Goats	NA	0.5	NA	NA	NA	1.1
3.A.2.e - Camels	NA	3.2E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.1	NA	NA	NA	0.2
3.A.2.h - Swine	NA	4.7E-02	2.5E-03	NA	NA	2.6E-02
3.A.2.i - Poultry	NA	2.7E-02	7.6E-04	NA	NA	9.7E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-104,835.1	NA	NO	NO	NO	NO
3.B.1 - Forest land	-113,781.5	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-112,282.5	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.9	70.2	7.6	16.8	1,075.7	NO
3.C.1 - Emissions from biomass burning	-	70.2	2.1	16.8	1,075.7	NO
3.C.1.a - Biomass burning in forest lands	NA	69.9	2.1	16.5	1,069.8	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.2	1.9E-02	0.4	5.9	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.9	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.2	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	5.3E-03	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-42.7	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-42.7	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.4	3.8	8.2E-02	0.3	5.0	0.3	9.8E-03
4.A - Solid Waste Disposal	-	1.7	-	-	-	0.1	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.1	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.4	0.6	7.6E-03	0.3	5.0	0.1	9.8E-03
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.4	0.6	7.6E-03	0.3	5.0	0.1	9.8E-03
4.D - Wastewater Treatment and Discharge	NA	1.5	7.5E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.4	7.5E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.1	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-102,468.0	233.2	8.2	40.3	NE	NE	NE	NE	39.4	1,151.0	21.7	3.1
1 - Energy	2,378.9	2.7	0.1	NA	NA	NA	NA	NA	22.3	70.4	9.2	3.1
1.A - Fuel Combustion Activities	2,378.9	2.7	0.1	NA	NA	NA	NA	NA	22.3	70.4	9.2	3.1
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	28.6	NO	1.0E-02	40.3	NE	NE	NE	NE	NO	NO	1.6	NO
2.A - Mineral Industry	9.5	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	19.1	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	40.3	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.0E-02	NO	NE	NE	NO	NE	NA	NA	-	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.7	-
3 - Agriculture, Forestry, and Other Land Use	-104,876.9	226.7	8.0	NA	NA	NA	NA	NA	16.8	1,075.7	10.6	NO
3.A - Livestock		156.6	0.3	NA	NA	NA	NA	NA	NA	NA	10.6	-
3.B - Land	-104,835.1		-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.9	70.2	7.6	NA	NA	NA	NA	NA	16.8	1,075.7	NA	NA
3.D - Other	-42.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.4	3.8	8.2E-02	NA	NA	NA	NA	NA	0.3	5.0	0.3	9.8E-03
4.A - Solid Waste Disposal	NA	1.7	NO	NA	NA	NA	NA	NA	NO	NO	0.1	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.4	0.6	7.6E-03	NA	NA	NA	NA	NA	0.3	5.0	0.1	9.8E-03
4.D - Wastewater Treatment and Discharge	NA	1.5	7.5E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	228.3	1.3E-02	6.2E-03	NA	NA	NA	NA	NA	2.2	0.6	0.2	0.5
1.A.3.a.i - International Aviation (International Bunkers)	89.9	6.3E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.1E-02	1.4E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	138.4	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	1.8	0.5	0.2	0.5
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2004 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-104,173.5	223.3	7.9	47.4	NE	NE	NE	NE	37.5	1,035.4	22.1	3.6
1 - Energy	2,443.8	2.7	0.2	NA	NA	NA	NA	NA	22.3	73.5	9.6	3.6
1.A - Fuel Combustion Activities	2,443.8	2.7	0.2	NA	NA	NA	NA	NA	22.3	73.5	9.6	3.6
1.A.1 - Energy Industries	2.2	0.1	1.9E-02	NA	NA	NA	NA	NA	0.4	0.4	3.4E-02	6.9E-02
1.A.2 - Manufacturing Industries and Construction	157.0	1.5E-02	2.3E-03	NA	NA	NA	NA	NA	0.6	1.0	0.1	0.9
1.A.3 - Transport	1,735.2	0.5	0.1	NA	NA	NA	NA	NA	10.8	41.3	4.2	2.0E-02
1.A.4 - Other Sectors	506.6	2.1	3.1E-02	NA	NA	NA	NA	NA	10.1	30.7	5.2	2.6
1.A.5 - Non-Specified	42.8	2.3E-03	2.3E-03	NA	NA	NA	NA	NA	0.4	0.1	2.6E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	32.3	NO	1.1E-02	47.4	NE	NE	NE	NE	NO	NO	1.6	NO
2.A - Mineral Industry	9.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	22.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.D.1 - Lubricant Use	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	20.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	47.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	47.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.1E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.1E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-106,651.0	216.7	7.7	NA	NA	NA	NA	NA	14.9	956.7	10.6	NO
3.A - Livestock	NA	154.3	0.4	NA	NA	NA	NA	NA	NA	NA	10.6	NA
3.A.1 - Enteric Fermentation	NA	150.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.6	NA
3.B - Land	-106,630.7	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-115,577.1	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.6	62.4	7.3	NA	NA	NA	NA	NA	14.9	956.7	NA	NA
3.C.1 - Emissions from biomass burning	NA	62.4	1.8	NA	NA	NA	NA	NA	14.9	956.7	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.1E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-20.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-20.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.4	3.8	8.4E-02	NA	NA	NA	NA	NA	0.3	5.2	0.3	1.0E-02
4.A - Solid Waste Disposal	NA	1.8	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.4	0.6	8.0E-03	NA	NA	NA	NA	NA	0.3	5.2	0.1	1.0E-02

4.D - Wastewater Treatment and Discharge	NA	1.4	7.6E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	231.0	1.4E-02	6.3E-03	NA	NA	NA	NA	NA	3.8	0.7	0.2	0.9
1.A.3.a.i - International Aviation (International Bunkers)	90.8	6.4E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.2E-02	1.4E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	140.2	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.5	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	2,443.8	2.7	0.2	22.3	73.5	9.6	3.6
1.A - Fuel Combustion Activities	2,443.8	2.7	0.2	22.3	73.5	9.6	3.6
1.A.1 - Energy Industries	2.2	0.1	1.9E-02	0.4	0.4	3.4E-02	6.9E-02
1.A.1.a - Main Activity Electricity and Heat Production	2.2	3.4E-05	3.1E-05	4.6E-03	2.0E-04	-	1.8E-02
1.A.1.a.i - Electricity Generation	2.2	3.4E-05	3.1E-05	4.6E-03	2.0E-04	-	1.8E-02
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.9E-02	0.4	0.4	3.4E-02	5.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	157.0	1.5E-02	2.3E-03	0.6	1.0	0.1	0.9
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	155.0	1.5E-02	2.3E-03	0.6	1.0	0.1	0.9
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.0	8.3E-05	1.7E-05	1.4E-02	1.8E-03	7.0E-04	1.3E-03
1.A.3 - Transport	1,735.2	0.5	0.1	10.8	41.3	4.2	2.0E-02
1.A.3.a - Civil Aviation	19.8	1.4E-04	5.6E-04	4.6E-02	3.8	6.0E-02	6.3E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	19.8	1.4E-04	5.6E-04	4.6E-02	3.8	6.0E-02	6.3E-03
1.A.3.b - Road Transportation	1,665.3	0.5	8.2E-02	9.9	37.3	4.1	1.3E-02
1.A.3.b.i - Cars	430.7	0.2	2.0E-02	1.3	9.9	1.2	4.8E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	137.8	5.5E-02	6.5E-03	0.4	3.2	0.4	1.5E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	292.9	0.1	1.4E-02	0.9	6.7	0.8	3.3E-03
1.A.3.b.ii - Light-duty trucks	717.4	0.3	3.4E-02	3.2	26.0	2.5	7.2E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	538.0	0.2	2.6E-02	2.4	19.5	1.9	5.4E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	179.3	6.4E-02	8.6E-03	0.8	6.5	0.6	1.8E-03
1.A.3.b.iii - Heavy-duty trucks and buses	515.6	2.7E-02	2.7E-02	5.4	1.2	0.3	1.3E-03
1.A.3.b.iv - Motorcycles	1.6	7.6E-04	7.4E-05	3.4E-03	0.3	6.8E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	50.1	2.8E-03	1.9E-02	0.8	0.2	7.4E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	506.6	2.1	3.1E-02	10.1	30.7	5.2	2.6
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	108.8	2.0	2.7E-02	0.6	27.5	4.1	7.6E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	397.8	5.4E-02	3.2E-03	9.5	3.2	1.1	2.5
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	397.8	5.4E-02	3.2E-03	9.5	3.2	1.1	2.5
1.A.5 - Non-Specified	42.8	2.3E-03	2.3E-03	0.4	0.1	2.6E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	42.8	2.3E-03	2.3E-03	0.4	0.1	2.6E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	42.8	2.3E-03	2.3E-03	0.4	0.1	2.6E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	231.0	1.4E-02	6.3E-03	3.8	0.7	0.2	0.9
1.A.3.a.i - International Aviation (International Bunkers) (1)	90.8	6.4E-04	2.5E-03	0.4	3.2E-02	1.4E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	140.2	1.3E-02	3.7E-03	3.5	0.7	0.2	0.9
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,296.4	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	32.3	-	5.3E-03	47.4	-	-	-	-	-	-	1.6	-
2.A - Mineral Industry	9.7	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	22.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.D.1 - Lubricant Use	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	20.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	47.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	47.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	38.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	9.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.3E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.3E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	5.3E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.7	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.7	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-106,651.0	216.7	7.7	14.9	956.7	10.6
3.A - Livestock	NA	154.3	0.4	NA	NA	10.6
3.A.1 - Enteric Fermentation	NA	150.6	NA	NA	NA	NA
3.A.1.a - Cattle	NA	124.9	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	124.8	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.1	NA	NA	NA	NA
3.A.1.d - Goats	NA	10.0	NA	NA	NA	NA
3.A.1.e - Camels	NA	5.2E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.1	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.4	NA	NA	NA	NA
3.A.1.h - Swine	NA	5.3E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.7	0.4	NA	NA	10.6
3.A.2.a - Cattle	NA	2.4	0.3	NA	NA	8.5
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.3	0.3	NA	NA	8.5
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.1
3.A.2.e - Camels	NA	2.9E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.3
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	5.3E-02	2.8E-03	NA	NA	2.9E-02
3.A.2.i - Poultry	NA	2.9E-02	8.1E-04	NA	NA	0.1
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-106,630.7	NA	NO	NO	NO	NO
3.B.1 - Forest land	-115,577.1	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-114,078.1	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.6	62.4	7.3	14.9	956.7	NO
3.C.1 - Emissions from biomass burning	-	62.4	1.8	14.9	956.7	NO
3.C.1.a - Biomass burning in forest lands	NA	62.2	1.8	14.6	951.7	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.2	1.6E-02	0.3	5.0	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.6	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.1	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.1E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-20.9	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-20.9	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.4	3.8	8.4E-02	0.3	5.2	0.3	1.0E-02
4.A - Solid Waste Disposal	-	1.8	-	-	-	0.2	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.2	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.4	0.6	8.0E-03	0.3	5.2	0.1	1.0E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.4	0.6	8.0E-03	0.3	5.2	0.1	1.0E-02
4.D - Wastewater Treatment and Discharge	NA	1.4	7.6E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.4	7.6E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.0	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-104,173.5	223.3	7.9	47.4	NE	NE	NE	NE	37.5	1,035.4	22.1	3.6
1 - Energy	2,443.8	2.7	0.2	NA	NA	NA	NA	NA	22.3	73.5	9.6	3.6
1.A - Fuel Combustion Activities	2,443.8	2.7	0.2	NA	NA	NA	NA	NA	22.3	73.5	9.6	3.6
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	32.3	NO	1.1E-02	47.4	NE	NE	NE	NE	NO	NO	1.6	NO
2.A - Mineral Industry	9.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	22.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	47.4	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.1E-02	NO	NE	NE	NO	NE	NA	NA	-	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.7	-
3 - Agriculture, Forestry, and Other Land Use	-106,651.0	216.7	7.7	NA	NA	NA	NA	NA	14.9	956.7	10.6	NO
3.A - Livestock		154.3	0.4	NA	NA	NA	NA	NA	NA	NA	10.6	-
3.B - Land	-106,630.7		-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.6	62.4	7.3	NA	NA	NA	NA	NA	14.9	956.7	NA	NA
3.D - Other	-20.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.4	3.8	8.4E-02	NA	NA	NA	NA	NA	0.3	5.2	0.3	1.0E-02
4.A - Solid Waste Disposal	NA	1.8	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.4	0.6	8.0E-03	NA	NA	NA	NA	NA	0.3	5.2	0.1	1.0E-02
4.D - Wastewater Treatment and Discharge	NA	1.4	7.6E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	231.0	1.4E-02	6.3E-03	NA	NA	NA	NA	NA	3.8	0.7	0.2	0.9
1.A.3.a.i - International Aviation (International Bunkers)	90.8	6.4E-04	2.5E-03	NA	NA	NA	NA	NA	0.4	3.2E-02	1.4E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	140.2	1.3E-02	3.7E-03	NA	NA	NA	NA	NA	3.5	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2005 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-101,798.0	231.2	8.1	89.4	NE	NE	NE	NE	41.7	1,278.1	22.0	3.8
1 - Energy	2,590.3	2.8	0.2	NA	NA	NA	NA	NA	22.7	75.9	9.9	3.8
1.A - Fuel Combustion Activities	2,590.3	2.8	0.2	NA	NA	NA	NA	NA	22.7	75.9	9.9	3.8
1.A.1 - Energy Industries	53.6	0.1	1.9E-02	NA	NA	NA	NA	NA	0.5	0.4	3.4E-02	0.5
1.A.2 - Manufacturing Industries and Construction	145.8	1.4E-02	2.2E-03	NA	NA	NA	NA	NA	0.6	0.9	0.1	0.8
1.A.3 - Transport	1,853.2	0.5	0.1	NA	NA	NA	NA	NA	11.5	43.4	4.5	2.1E-02
1.A.4 - Other Sectors	494.7	2.1	3.1E-02	NA	NA	NA	NA	NA	9.7	31.0	5.2	2.5
1.A.5 - Non-Specified	43.1	2.3E-03	2.3E-03	NA	NA	NA	NA	NA	0.5	0.1	2.6E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	31.8	NO	1.1E-02	89.4	NE	NE	NE	NE	NO	NO	1.7	NO
2.A - Mineral Industry	10.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	21.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.D.1 - Lubricant Use	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	18.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	89.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	89.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.1E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.1E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-104,421.7	224.4	7.9	NA	NA	NA	NA	NA	18.7	1,196.7	10.1	NO
3.A - Livestock	NA	146.3	0.3	NA	NA	NA	NA	NA	NA	NA	10.1	NA
3.A.1 - Enteric Fermentation	NA	142.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.6	0.3	NA	NA	NA	NA	NA	NA	NA	10.1	NA
3.B - Land	-104,375.3	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-113,321.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.2	78.1	7.5	NA	NA	NA	NA	NA	18.7	1,196.7	NA	NA
3.C.1 - Emissions from biomass burning	NA	78.1	2.3	NA	NA	NA	NA	NA	18.7	1,196.7	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.3E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-46.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-46.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.5	4.1	8.5E-02	NA	NA	NA	NA	NA	0.3	5.4	0.3	1.1E-02
4.A - Solid Waste Disposal	NA	2.0	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.5	0.6	8.3E-03	NA	NA	NA	NA	NA	0.3	5.4	0.1	1.1E-02

4.D - Wastewater Treatment and Discharge	NA	1.5	7.7E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	233.7	1.4E-02	6.3E-03	NA	NA	NA	NA	NA	3.9	0.7	0.3	0.9
1.A.3.a.i - International Aviation (International Bunkers)	91.7	6.4E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.2E-02	1.5E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	141.9	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	2,590.3	2.8	0.2	22.7	75.9	9.9	3.8
1.A - Fuel Combustion Activities	2,590.3	2.8	0.2	22.7	75.9	9.9	3.8
1.A.1 - Energy Industries	53.6	0.1	1.9E-02	0.5	0.4	3.4E-02	0.5
1.A.1.a - Main Activity Electricity and Heat Production	53.6	6.8E-04	8.2E-04	0.1	5.3E-03	6.0E-04	0.5
1.A.1.a.i - Electricity Generation	53.6	6.8E-04	8.2E-04	0.1	5.3E-03	6.0E-04	0.5
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.1	1.8E-02	0.4	0.4	3.4E-02	5.0E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.1	1.8E-02	0.4	0.4	3.4E-02	5.0E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	145.8	1.4E-02	2.2E-03	0.6	0.9	0.1	0.8
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	143.9	1.4E-02	2.2E-03	0.5	0.9	0.1	0.8
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.0	8.2E-05	1.6E-05	1.4E-02	1.8E-03	7.0E-04	1.3E-03
1.A.3 - Transport	1,853.2	0.5	0.1	11.5	43.4	4.5	2.1E-02
1.A.3.a - Civil Aviation	20.0	1.4E-04	5.7E-04	4.6E-02	3.8	6.1E-02	6.4E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	20.0	1.4E-04	5.7E-04	4.6E-02	3.8	6.1E-02	6.4E-03
1.A.3.b - Road Transportation	1,780.8	0.5	8.8E-02	10.6	39.5	4.3	1.4E-02
1.A.3.b.i - Cars	463.9	0.2	2.2E-02	1.4	10.6	1.3	5.2E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	148.4	6.0E-02	7.0E-03	0.5	3.4	0.4	1.7E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	315.4	0.1	1.5E-02	1.0	7.2	0.9	3.5E-03
1.A.3.b.ii - Light-duty trucks	763.5	0.3	3.7E-02	3.4	27.2	2.7	7.6E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	572.6	0.2	2.8E-02	2.5	20.4	2.0	5.7E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	190.9	6.7E-02	9.2E-03	0.8	6.8	0.7	1.9E-03
1.A.3.b.iii - Heavy-duty trucks and buses	551.6	2.9E-02	2.9E-02	5.8	1.3	0.3	1.4E-03
1.A.3.b.iv - Motorcycles	1.8	8.6E-04	8.3E-05	3.9E-03	0.3	7.7E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	52.4	2.9E-03	2.0E-02	0.9	0.2	7.7E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	494.7	2.1	3.1E-02	9.7	31.0	5.2	2.5
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	112.3	2.1	2.8E-02	0.6	27.8	4.2	7.6E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	382.4	5.2E-02	3.1E-03	9.1	3.2	1.1	2.4
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	382.4	5.2E-02	3.1E-03	9.1	3.2	1.1	2.4
1.A.5 - Non-Specified	43.1	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	43.1	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	43.1	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	233.7	1.4E-02	6.3E-03	3.9	0.7	0.3	0.9
1.A.3.a.i - International Aviation (International Bunkers) (1)	91.7	6.4E-04	2.6E-03	0.4	3.2E-02	1.5E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	141.9	1.3E-02	3.8E-03	3.5	0.7	0.2	0.9
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,291.7	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	31.8	-	5.5E-03	89.4	-	-	-	-	-	-	1.7	-
2.A - Mineral Industry	10.0	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	21.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO
2.D.1 - Lubricant Use	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	18.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	89.4	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	89.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	79.4	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	10.0	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.5E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.5E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	5.5E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-104,421.7	224.4	7.9	18.7	1,196.7	10.1
3.A - Livestock	NA	146.3	0.3	NA	NA	10.1
3.A.1 - Enteric Fermentation	NA	142.7	NA	NA	NA	NA
3.A.1.a - Cattle	NA	116.9	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	116.8	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.3	NA	NA	NA	NA
3.A.1.d - Goats	NA	10.2	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.9E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.4	NA	NA	NA	NA
3.A.1.h - Swine	NA	5.6E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.6	0.3	NA	NA	10.1
3.A.2.a - Cattle	NA	2.2	0.3	NA	NA	8.0
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.2	0.3	NA	NA	8.0
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.5
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.1
3.A.2.e - Camels	NA	1.6E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	5.6E-02	2.9E-03	NA	NA	3.1E-02
3.A.2.i - Poultry	NA	3.0E-02	8.5E-04	NA	NA	0.1
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-104,375.3	NA	NO	NO	NO	NO
3.B.1 - Forest land	-113,321.7	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-111,822.7	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.2	78.1	7.5	18.7	1,196.7	NO
3.C.1 - Emissions from biomass burning	-	78.1	2.3	18.7	1,196.7	NO
3.C.1.a - Biomass burning in forest lands	NA	77.9	2.3	18.3	1,190.7	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.2	1.9E-02	0.4	6.0	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.2	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.9	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.3E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-46.7	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-46.7	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.5	4.1	8.5E-02	0.3	5.4	0.3	1.1E-02
4.A - Solid Waste Disposal	-	2.0	-	-	-	0.2	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.2	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.5	0.6	8.3E-03	0.3	5.4	0.1	1.1E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.5	0.6	8.3E-03	0.3	5.4	0.1	1.1E-02
4.D - Wastewater Treatment and Discharge	NA	1.5	7.7E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.4	7.7E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	1.1	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-101,798.0	231.2	8.1	89.4	NE	NE	NE	NE	41.7	1,278.1	22.0	3.8
1 - Energy	2,590.3	2.8	0.2	NA	NA	NA	NA	NA	22.7	75.9	9.9	3.8
1.A - Fuel Combustion Activities	2,590.3	2.8	0.2	NA	NA	NA	NA	NA	22.7	75.9	9.9	3.8
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	31.8	NO	1.1E-02	89.4	NE	NE	NE	NE	NO	NO	1.7	NO	NO
2.A - Mineral Industry	10.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	21.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	0.9	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	89.4	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.1E-02	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.8	-	-
3 - Agriculture, Forestry, and Other Land Use	-104,421.7	224.4	7.9	NA	NA	NA	NA	NA	18.7	1,196.7	10.1	NO	NO
3.A - Livestock		146.3	0.3	NA	NA	NA	NA	NA	NA	NA	10.1	-	-
3.B - Land	-104,375.3		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.2	78.1	7.5	NA	NA	NA	NA	NA	18.7	1,196.7	NA	NA	NA
3.D - Other	-46.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.5	4.1	8.5E-02	NA	NA	NA	NA	NA	0.3	5.4	0.3	1.1E-02	1.1E-02
4.A - Solid Waste Disposal	NA	2.0	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.5	0.6	8.3E-03	NA	NA	NA	NA	NA	0.3	5.4	0.1	1.1E-02	1.1E-02
4.D - Wastewater Treatment and Discharge	NA	1.5	7.7E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	233.7	1.4E-02	6.3E-03	NA	NA	NA	NA	NA	3.9	0.7	0.3	0.9	0.9
1.A.3.a.i - International Aviation (International Bunkers)	91.7	6.4E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.2E-02	1.5E-02	2.9E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	141.9	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.5	0.7	0.2	0.9	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2006 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-98,029.0	261.0	9.1	91.0	NE	NE	NE	NE	46.2	1,629.9	23.0	4.3
1 - Energy	2,740.3	2.8	0.2	NA	NA	NA	NA	NA	21.7	78.5	10.2	4.3
1.A - Fuel Combustion Activities	2,740.3	2.8	0.2	NA	NA	NA	NA	NA	21.7	78.5	10.2	4.3
1.A.1 - Energy Industries	164.1	0.2	2.3E-02	NA	NA	NA	NA	NA	0.8	0.5	3.9E-02	1.5
1.A.2 - Manufacturing Industries and Construction	158.1	1.5E-02	2.4E-03	NA	NA	NA	NA	NA	0.6	0.9	0.1	0.8
1.A.3 - Transport	1,964.9	0.5	0.1	NA	NA	NA	NA	NA	12.1	45.8	4.7	2.2E-02
1.A.4 - Other Sectors	409.0	2.1	3.0E-02	NA	NA	NA	NA	NA	7.8	31.2	5.2	2.0
1.A.5 - Non-Specified	44.2	2.3E-03	2.3E-03	NA	NA	NA	NA	NA	0.5	0.1	2.6E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	31.6	NO	1.1E-02	91.0	NE	NE	NE	NE	NO	NO	1.7	NO
2.A - Mineral Industry	10.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	10.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	21.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.0	NO
2.D.1 - Lubricant Use	4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	91.0	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	91.0	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.1E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.1E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-100,802.6	254.1	8.8	NA	NA	NA	NA	NA	24.1	1,545.7	10.7	NO
3.A - Livestock	NA	153.2	0.4	NA	NA	NA	NA	NA	NA	NA	10.7	NA
3.A.1 - Enteric Fermentation	NA	149.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.8	0.4	NA	NA	NA	NA	NA	NA	NA	10.7	NA
3.B - Land	-100,748.9	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-109,695.3	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.1	100.8	8.4	NA	NA	NA	NA	NA	24.1	1,545.7	NA	NA
3.C.1 - Emissions from biomass burning	NA	100.8	3.0	NA	NA	NA	NA	NA	24.1	1,545.7	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.0E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-53.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-53.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.6	4.2	8.8E-02	NA	NA	NA	NA	NA	0.3	5.7	0.3	1.1E-02
4.A - Solid Waste Disposal	NA	2.2	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.6	0.7	8.7E-03	NA	NA	NA	NA	NA	0.3	5.7	0.1	1.1E-02

4.D - Wastewater Treatment and Discharge	NA	1.4	7.9E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	236.3	1.4E-02	6.4E-03	NA	NA	NA	NA	NA	3.9	0.7	0.3	0.9
1.A.3.a.i - International Aviation (International Bunkers)	92.6	6.5E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.2E-02	1.5E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	143.7	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.6	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	2,740.3	2.8	0.2	21.7	78.5	10.2	4.3
1.A - Fuel Combustion Activities	2,740.3	2.8	0.2	21.7	78.5	10.2	4.3
1.A.1 - Energy Industries	164.1	0.2	2.3E-02	0.8	0.5	3.9E-02	1.5
1.A.1.a - Main Activity Electricity and Heat Production	164.1	2.0E-03	2.5E-03	0.4	1.6E-02	1.9E-03	1.4
1.A.1.a.i - Electricity Generation	164.1	2.0E-03	2.5E-03	0.4	1.6E-02	1.9E-03	1.4
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.2	2.0E-02	0.4	0.5	3.7E-02	5.4E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.2	2.0E-02	0.4	0.5	3.7E-02	5.4E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	158.1	1.5E-02	2.4E-03	0.6	0.9	0.1	0.8
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	156.1	1.5E-02	2.4E-03	0.6	0.9	0.1	0.8
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.0	8.3E-05	1.7E-05	1.4E-02	1.8E-03	7.0E-04	1.3E-03
1.A.3 - Transport	1,964.9	0.5	0.1	12.1	45.8	4.7	2.2E-02
1.A.3.a - Civil Aviation	20.2	1.4E-04	5.7E-04	4.7E-02	3.9	6.1E-02	6.5E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	20.2	1.4E-04	5.7E-04	4.7E-02	3.9	6.1E-02	6.5E-03
1.A.3.b - Road Transportation	1,891.1	0.5	9.3E-02	11.2	41.7	4.6	1.5E-02
1.A.3.b.i - Cars	496.6	0.2	2.3E-02	1.5	11.4	1.4	5.6E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	158.9	6.4E-02	7.5E-03	0.5	3.6	0.4	1.8E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	337.7	0.1	1.6E-02	1.0	7.7	0.9	3.8E-03
1.A.3.b.ii - Light-duty trucks	814.7	0.3	3.9E-02	3.6	28.6	2.8	8.0E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	611.0	0.2	2.9E-02	2.7	21.5	2.1	6.0E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	203.7	7.1E-02	9.8E-03	0.9	7.2	0.7	2.0E-03
1.A.3.b.iii - Heavy-duty trucks and buses	577.7	3.0E-02	3.0E-02	6.1	1.4	0.3	1.5E-03
1.A.3.b.iv - Motorcycles	2.1	9.8E-04	9.5E-05	4.4E-03	0.3	8.8E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	53.6	3.0E-03	2.1E-02	0.9	0.2	7.9E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	409.0	2.1	3.0E-02	7.8	31.2	5.2	2.0
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	106.6	2.1	2.8E-02	0.6	28.1	4.2	7.7E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	302.4	4.1E-02	2.5E-03	7.2	3.2	1.0	1.9
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	302.4	4.1E-02	2.5E-03	7.2	3.2	1.0	1.9
1.A.5 - Non-Specified	44.2	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	44.2	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	44.2	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	236.3	1.4E-02	6.4E-03	3.9	0.7	0.3	0.9
1.A.3.a.i - International Aviation (International Bunkers) (1)	92.6	6.5E-04	2.6E-03	0.4	3.2E-02	1.5E-02	2.9E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	143.7	1.3E-02	3.8E-03	3.6	0.7	0.2	0.9
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,346.0	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	31.6	-	5.7E-03	91.0	-	-	-	-	-	-	1.7	-
2.A - Mineral Industry	10.4	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	10.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	21.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.0	NO
2.D.1 - Lubricant Use	4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	91.0	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	91.0	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	80.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	10.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.7E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.7E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	5.7E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-100,802.6	254.1	8.8	24.1	1,545.7	10.7
3.A - Livestock	NA	153.2	0.4	NA	NA	10.7
3.A.1 - Enteric Fermentation	NA	149.5	NA	NA	NA	NA
3.A.1.a - Cattle	NA	123.3	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	123.1	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.3	NA	NA	NA	NA
3.A.1.d - Goats	NA	10.3	NA	NA	NA	NA
3.A.1.e - Camels	NA	3.4E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.6	NA	NA	NA	NA
3.A.1.h - Swine	NA	5.2E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.8	0.4	NA	NA	10.7
3.A.2.a - Cattle	NA	2.4	0.4	NA	NA	8.6
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.4	0.4	NA	NA	8.6
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.5	NA	NA	NA	1.1
3.A.2.e - Camels	NA	1.9E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	5.2E-02	2.7E-03	NA	NA	2.9E-02
3.A.2.i - Poultry	NA	2.8E-02	7.8E-04	NA	NA	1.0E-01
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-100,748.9	NA	NO	NO	NO	NO
3.B.1 - Forest land	-109,695.3	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-108,196.3	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.1	100.8	8.4	24.1	1,545.7	NO
3.C.1 - Emissions from biomass burning	-	100.8	3.0	24.1	1,545.7	NO
3.C.1.a - Biomass burning in forest lands	NA	100.6	3.0	23.7	1,538.3	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.4E-02	0.4	7.4	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.1	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.0	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.0E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-53.9	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-53.9	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.6	4.2	8.8E-02	0.3	5.7	0.3	1.1E-02
4.A - Solid Waste Disposal	-	2.2	-	-	-	0.2	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.2	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.6	0.7	8.7E-03	0.3	5.7	0.1	1.1E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.6	0.7	8.7E-03	0.3	5.7	0.1	1.1E-02
4.D - Wastewater Treatment and Discharge	NA	1.4	7.9E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.4	7.9E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.9	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-98,029.0	261.0	9.1	91.0	NE	NE	NE	NE	46.2	1,629.9	23.0	4.3
1 - Energy	2,740.3	2.8	0.2	NA	NA	NA	NA	NA	21.7	78.5	10.2	4.3
1.A - Fuel Combustion Activities	2,740.3	2.8	0.2	NA	NA	NA	NA	NA	21.7	78.5	10.2	4.3
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	31.6	NO	1.1E-02	91.0	NE	NE	NE	NE	NO	NO	1.7	NO	NO
2.A - Mineral Industry	10.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	21.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.0	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	91.0	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.1E-02	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.8	-	-
3 - Agriculture, Forestry, and Other Land Use	-100,802.6	254.1	8.8	NA	NA	NA	NA	NA	24.1	1,545.7	10.7	NO	NO
3.A - Livestock		153.2	0.4	NA	NA	NA	NA	NA	NA	NA	10.7	-	-
3.B - Land	-100,748.9		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.1	100.8	8.4	NA	NA	NA	NA	NA	24.1	1,545.7	NA	NA	NA
3.D - Other	-53.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.6	4.2	8.8E-02	NA	NA	NA	NA	NA	0.3	5.7	0.3	1.1E-02	NO
4.A - Solid Waste Disposal	NA	2.2	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.6	0.7	8.7E-03	NA	NA	NA	NA	NA	0.3	5.7	0.1	1.1E-02	NO
4.D - Wastewater Treatment and Discharge	NA	1.4	7.9E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	236.3	1.4E-02	6.4E-03	NA	NA	NA	NA	NA	3.9	0.7	0.3	0.9	NO
1.A.3.a.i - International Aviation (International Bunkers)	92.6	6.5E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.2E-02	1.5E-02	2.9E-02	NO
1.A.3.d.i - International water-borne navigation (International bunkers)	143.7	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.6	0.7	0.2	0.9	NO
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2007 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-95,165.9	273.4	9.5	92.6	NE	NE	NE	NE	49.9	1,915.8	23.1	4.1
1 - Energy	2,821.7	2.9	0.2	NA	NA	NA	NA	NA	21.1	80.6	10.5	4.1
1.A - Fuel Combustion Activities	2,821.7	2.9	0.2	NA	NA	NA	NA	NA	21.1	80.6	10.5	4.1
1.A.1 - Energy Industries	195.0	0.2	2.6E-02	NA	NA	NA	NA	NA	0.9	0.5	4.5E-02	1.7
1.A.2 - Manufacturing Industries and Construction	170.0	1.8E-02	2.7E-03	NA	NA	NA	NA	NA	0.7	0.9	0.2	0.7
1.A.3 - Transport	2,064.5	0.5	0.1	NA	NA	NA	NA	NA	12.7	47.6	5.0	2.2E-02
1.A.4 - Other Sectors	348.0	2.1	3.0E-02	NA	NA	NA	NA	NA	6.3	31.5	5.3	1.6
1.A.5 - Non-Specified	44.2	2.3E-03	2.3E-03	NA	NA	NA	NA	NA	0.5	0.1	2.6E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	34.9	NO	1.2E-02	92.6	NE	NE	NE	NE	NO	NO	1.8	NO
2.A - Mineral Industry	11.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	11.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	23.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.0	NO
2.D.1 - Lubricant Use	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	92.6	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	92.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.2E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.2E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-98,024.3	266.5	9.3	NA	NA	NA	NA	NA	28.5	1,829.3	10.5	NO
3.A - Livestock	NA	150.9	0.4	NA	NA	NA	NA	NA	NA	NA	10.5	NA
3.A.1 - Enteric Fermentation	NA	147.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.5	NA
3.B - Land	-97,958.7	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-106,905.1	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	115.6	8.9	NA	NA	NA	NA	NA	28.5	1,829.3	NA	NA
3.C.1 - Emissions from biomass burning	NA	115.6	3.5	NA	NA	NA	NA	NA	28.5	1,829.3	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.5E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-65.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-65.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.7	4.0	8.8E-02	NA	NA	NA	NA	NA	0.3	6.0	0.3	1.2E-02
4.A - Solid Waste Disposal	NA	2.3	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.7	0.7	9.2E-03	NA	NA	NA	NA	NA	0.3	6.0	0.1	1.2E-02

4.D - Wastewater Treatment and Discharge	NA	1.0	7.9E-02	NA	NA	NA	NA	NA	NO	NO	1.2E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	239.0	1.4E-02	6.5E-03	NA	NA	NA	NA	NA	4.0	0.7	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	93.6	6.5E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.3E-02	1.5E-02	3.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	145.5	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.6	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	2,821.7	2.9	0.2	21.1	80.6	10.5	4.1
1.A - Fuel Combustion Activities	2,821.7	2.9	0.2	21.1	80.6	10.5	4.1
1.A.1 - Energy Industries	195.0	0.2	2.6E-02	0.9	0.5	4.5E-02	1.7
1.A.1.a - Main Activity Electricity and Heat Production	195.0	2.3E-03	3.0E-03	0.4	1.9E-02	2.2E-03	1.7
1.A.1.a.i - Electricity Generation	195.0	2.3E-03	3.0E-03	0.4	1.9E-02	2.2E-03	1.7
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.2	2.3E-02	0.5	0.5	4.3E-02	6.3E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.2	2.3E-02	0.5	0.5	4.3E-02	6.3E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	170.0	1.8E-02	2.7E-03	0.7	0.9	0.2	0.7
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	168.0	1.7E-02	2.7E-03	0.7	0.9	0.2	0.7
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.0	8.3E-05	1.7E-05	1.4E-02	1.8E-03	7.0E-04	1.3E-03
1.A.3 - Transport	2,064.5	0.5	0.1	12.7	47.6	5.0	2.2E-02
1.A.3.a - Civil Aviation	20.4	1.4E-04	5.8E-04	4.7E-02	3.9	6.1E-02	6.5E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	20.4	1.4E-04	5.8E-04	4.7E-02	3.9	6.1E-02	6.5E-03
1.A.3.b - Road Transportation	1,989.4	0.5	9.8E-02	11.8	43.5	4.8	1.6E-02
1.A.3.b.i - Cars	519.7	0.2	2.5E-02	1.6	11.9	1.4	5.8E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	166.4	6.7E-02	7.9E-03	0.5	3.8	0.5	1.9E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	353.2	0.1	1.7E-02	1.1	8.1	1.0	3.9E-03
1.A.3.b.ii - Light-duty trucks	860.6	0.3	4.1E-02	3.8	29.8	2.9	8.4E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	645.4	0.2	3.1E-02	2.9	22.4	2.2	6.3E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	215.1	7.4E-02	1.0E-02	1.0	7.5	0.7	2.1E-03
1.A.3.b.iii - Heavy-duty trucks and buses	606.8	3.2E-02	3.2E-02	6.4	1.4	0.4	1.5E-03
1.A.3.b.iv - Motorcycles	2.3	1.1E-03	1.1E-04	4.9E-03	0.4	9.8E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	54.8	3.1E-03	2.1E-02	0.9	0.2	8.1E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	348.0	2.1	3.0E-02	6.3	31.5	5.3	1.6
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	105.0	2.1	2.8E-02	0.6	28.3	4.2	7.8E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	243.0	3.3E-02	2.0E-03	5.7	3.1	1.0	1.5
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	243.0	3.3E-02	2.0E-03	5.7	3.1	1.0	1.5
1.A.5 - Non-Specified	44.2	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	44.2	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	44.2	2.3E-03	2.3E-03	0.5	0.1	2.6E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	239.0	1.4E-02	6.5E-03	4.0	0.7	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	93.6	6.5E-04	2.6E-03	0.4	3.3E-02	1.5E-02	3.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	145.5	1.3E-02	3.8E-03	3.6	0.7	0.2	0.9
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,446.8	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	34.9	-	5.9E-03	92.6	-	-	-	-	-	-	1.8	-
2.A - Mineral Industry	11.2	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	11.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	23.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.0	NO
2.D.1 - Lubricant Use	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	92.6	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	92.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	81.1	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	11.5	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	5.9E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	5.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	5.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-98,024.3	266.5	9.3	28.5	1,829.3	10.5
3.A - Livestock	NA	150.9	0.4	NA	NA	10.5
3.A.1 - Enteric Fermentation	NA	147.2	NA	NA	NA	NA
3.A.1.a - Cattle	NA	121.9	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	121.8	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.3	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.6	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.9E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.8	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.6	NA	NA	NA	NA
3.A.1.h - Swine	NA	5.2E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.7	0.4	NA	NA	10.5
3.A.2.a - Cattle	NA	2.4	0.4	NA	NA	8.5
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.4	0.4	NA	NA	8.5
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	1.6E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	9.6E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	5.2E-02	2.7E-03	NA	NA	2.9E-02
3.A.2.i - Poultry	NA	2.8E-02	7.8E-04	NA	NA	9.9E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-97,958.7	NA	NO	NO	NO	NO
3.B.1 - Forest land	-106,905.1	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-105,406.1	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	115.6	8.9	28.5	1,829.3	NO
3.C.1 - Emissions from biomass burning	-	115.6	3.5	28.5	1,829.3	NO
3.C.1.a - Biomass burning in forest lands	NA	115.3	3.5	28.0	1,820.9	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.7E-02	0.5	8.4	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.0	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.5E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-65.8	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-65.8	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.7	4.0	8.8E-02	0.3	6.0	0.3	1.2E-02
4.A - Solid Waste Disposal	-	2.3	-	-	-	0.2	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.2	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.7	0.7	9.2E-03	0.3	6.0	0.1	1.2E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.7	0.7	9.2E-03	0.3	6.0	0.1	1.2E-02
4.D - Wastewater Treatment and Discharge	NA	1.0	7.9E-02	NO	NO	1.2E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.4	7.9E-02	NO	NO	1.0E-06	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.5	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-95,165.9	273.4	9.5	92.6	NE	NE	NE	NE	49.9	1,915.8	23.1	4.1
1 - Energy	2,821.7	2.9	0.2	NA	NA	NA	NA	NA	21.1	80.6	10.5	4.1
1.A - Fuel Combustion Activities	2,821.7	2.9	0.2	NA	NA	NA	NA	NA	21.1	80.6	10.5	4.1
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	34.9	NO	1.2E-02	92.6	NE	NE	NE	NE	NO	NO	1.8	NO	NO
2.A - Mineral Industry	11.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	23.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.0	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	92.6	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.2E-02	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.8	-	-
3 - Agriculture, Forestry, and Other Land Use	-98,024.3	266.5	9.3	NA	NA	NA	NA	NA	28.5	1,829.3	10.5	NO	NO
3.A - Livestock		150.9	0.4	NA	NA	NA	NA	NA	NA	NA	10.5	-	-
3.B - Land	-97,958.7		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	115.6	8.9	NA	NA	NA	NA	NA	28.5	1,829.3	NA	NA	NA
3.D - Other	-65.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.7	4.0	8.8E-02	NA	NA	NA	NA	NA	0.3	6.0	0.3	1.2E-02	NO
4.A - Solid Waste Disposal	NA	2.3	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.7	0.7	9.2E-03	NA	NA	NA	NA	NA	0.3	6.0	0.1	1.2E-02	NO
4.D - Wastewater Treatment and Discharge	NA	1.0	7.9E-02	NA	NA	NA	NA	NA	NO	NO	1.2E-06	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	239.0	1.4E-02	6.5E-03	NA	NA	NA	NA	NA	4.0	0.7	0.3	1.0	NO
1.A.3.a.i - International Aviation (International Bunkers)	93.6	6.5E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.3E-02	1.5E-02	3.0E-02	NO
1.A.3.d.i - International water-borne navigation (International bunkers)	145.5	1.3E-02	3.8E-03	NA	NA	NA	NA	NA	3.6	0.7	0.2	0.9	NO
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2008 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-103,898.3	236.7	8.3	85.8	NE	NE	NE	NE	37.9	1,212.3	23.1	4.3
1 - Energy	2,670.8	2.9	0.2	NA	NA	NA	NA	NA	19.9	76.5	10.0	4.3
1.A - Fuel Combustion Activities	2,670.8	2.9	0.2	NA	NA	NA	NA	NA	19.9	76.5	10.0	4.3
1.A.1 - Energy Industries	235.7	0.2	3.6E-02	NA	NA	NA	NA	NA	1.2	0.8	6.2E-02	2.1
1.A.2 - Manufacturing Industries and Construction	171.0	1.9E-02	2.9E-03	NA	NA	NA	NA	NA	0.8	0.8	0.2	0.6
1.A.3 - Transport	1,888.3	0.5	0.1	NA	NA	NA	NA	NA	11.8	43.1	4.5	2.1E-02
1.A.4 - Other Sectors	338.8	2.2	3.0E-02	NA	NA	NA	NA	NA	5.8	31.8	5.3	1.5
1.A.5 - Non-Specified	36.9	1.9E-03	1.9E-03	NA	NA	NA	NA	NA	0.4	8.8E-02	2.2E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	41.0	NO	1.2E-02	85.8	NE	NE	NE	NE	NO	NO	1.9	NO
2.A - Mineral Industry	11.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	29.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO
2.D.1 - Lubricant Use	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	20.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	85.8	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	85.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.2E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.2E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-106,611.8	229.4	8.0	NA	NA	NA	NA	NA	17.6	1,129.5	10.8	NO
3.A - Livestock	NA	155.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.8	NA
3.A.1 - Enteric Fermentation	NA	152.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.8	NA
3.B - Land	-106,554.1	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-115,500.5	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	5.2E-02	73.7	7.7	NA	NA	NA	NA	NA	17.6	1,129.5	NA	NA
3.C.1 - Emissions from biomass burning	NA	73.7	2.2	NA	NA	NA	NA	NA	17.6	1,129.5	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	5.2E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.4E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-57.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-57.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.7	4.4	8.7E-02	NA	NA	NA	NA	NA	0.4	6.3	0.4	1.2E-02
4.A - Solid Waste Disposal	NA	2.5	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.7	0.7	9.6E-03	NA	NA	NA	NA	NA	0.4	6.3	0.1	1.2E-02

4.D - Wastewater Treatment and Discharge	NA	1.1	7.8E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	241.7	1.4E-02	6.5E-03	NA	NA	NA	NA	NA	4.0	0.7	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	94.5	6.6E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.3E-02	1.5E-02	3.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	147.2	1.4E-02	3.9E-03	NA	NA	NA	NA	NA	3.6	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	2,670.8	2.9	0.2	19.9	76.5	10.0	4.3
1.A - Fuel Combustion Activities	2,670.8	2.9	0.2	19.9	76.5	10.0	4.3
1.A.1 - Energy Industries	235.7	0.2	3.6E-02	1.2	0.8	6.2E-02	2.1
1.A.1.a - Main Activity Electricity and Heat Production	235.7	2.5E-03	3.7E-03	0.5	2.2E-02	2.5E-03	2.0
1.A.1.a.i - Electricity Generation	235.7	2.5E-03	3.7E-03	0.5	2.2E-02	2.5E-03	2.0
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.2	3.3E-02	0.7	0.7	6.0E-02	8.8E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.2	3.3E-02	0.7	0.7	6.0E-02	8.8E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	171.0	1.9E-02	2.9E-03	0.8	0.8	0.2	0.6
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	169.0	1.9E-02	2.8E-03	0.8	0.8	0.2	0.6
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.0	8.3E-05	1.7E-05	1.4E-02	1.8E-03	7.0E-04	1.3E-03
1.A.3 - Transport	1,888.3	0.5	0.1	11.8	43.1	4.5	2.1E-02
1.A.3.a - Civil Aviation	20.5	1.4E-04	5.8E-04	4.7E-02	3.9	6.1E-02	6.5E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	20.5	1.4E-04	5.8E-04	4.7E-02	3.9	6.1E-02	6.5E-03
1.A.3.b - Road Transportation	1,816.8	0.5	9.0E-02	10.9	39.0	4.3	1.4E-02
1.A.3.b.i - Cars	447.8	0.2	2.1E-02	1.4	10.3	1.2	5.0E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	143.9	5.8E-02	6.8E-03	0.4	3.3	0.4	1.6E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	304.0	0.1	1.4E-02	0.9	7.0	0.8	3.4E-03
1.A.3.b.ii - Light-duty trucks	792.7	0.3	3.8E-02	3.5	27.1	2.7	7.6E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	594.5	0.2	2.9E-02	2.6	20.3	2.0	5.7E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	198.2	6.7E-02	9.6E-03	0.9	6.8	0.7	1.9E-03
1.A.3.b.iii - Heavy-duty trucks and buses	574.2	3.0E-02	3.0E-02	6.0	1.4	0.3	1.4E-03
1.A.3.b.iv - Motorcycles	2.1	9.8E-04	9.5E-05	4.4E-03	0.3	8.8E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	51.1	2.9E-03	2.0E-02	0.8	0.2	7.5E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	338.8	2.2	3.0E-02	5.8	31.8	5.3	1.5
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	115.3	2.1	2.8E-02	0.6	28.6	4.3	7.9E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	223.5	3.0E-02	1.8E-03	5.2	3.2	1.0	1.4
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	223.5	3.0E-02	1.8E-03	5.2	3.2	1.0	1.4
1.A.5 - Non-Specified	36.9	1.9E-03	1.9E-03	0.4	8.8E-02	2.2E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	36.9	1.9E-03	1.9E-03	0.4	8.8E-02	2.2E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	36.9	1.9E-03	1.9E-03	0.4	8.8E-02	2.2E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	241.7	1.4E-02	6.5E-03	4.0	0.7	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	94.5	6.6E-04	2.6E-03	0.4	3.3E-02	1.5E-02	3.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	147.2	1.4E-02	3.9E-03	3.6	0.7	0.2	0.9
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,715.9	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	41.0	-	6.1E-03	85.8	-	-	-	-	-	-	1.9	-
2.A - Mineral Industry	11.9	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	29.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO
2.D.1 - Lubricant Use	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	20.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	85.8	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	85.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	74.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	11.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	6.1E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	6.1E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	6.1E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.8	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.8	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-106,611.8	229.4	8.0	17.6	1,129.5	10.8
3.A - Livestock	NA	155.7	0.4	NA	NA	10.8
3.A.1 - Enteric Fermentation	NA	152.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	128.9	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	128.8	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	11.1	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.5	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.0E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.8	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.7	NA	NA	NA	NA
3.A.1.h - Swine	NA	4.9E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.7	0.4	NA	NA	10.8
3.A.2.a - Cattle	NA	2.5	0.4	NA	NA	8.8
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.5	0.4	NA	NA	8.8
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	1.1E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	9.3E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	4.9E-02	2.6E-03	NA	NA	2.7E-02
3.A.2.i - Poultry	NA	2.6E-02	7.3E-04	NA	NA	9.3E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-106,554.1	NA	NO	NO	NO	NO
3.B.1 - Forest land	-115,500.5	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-114,001.5	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	5.2E-02	73.7	7.7	17.6	1,129.5	NO
3.C.1 - Emissions from biomass burning	-	73.7	2.2	17.6	1,129.5	NO
3.C.1.a - Biomass burning in forest lands	NA	73.5	2.2	17.3	1,124.6	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.2	1.6E-02	0.3	4.9	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	5.2E-02	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.1	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.4E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.3	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-57.8	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-57.8	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.7	4.4	8.7E-02	0.4	6.3	0.4	1.2E-02
4.A - Solid Waste Disposal	-	2.5	-	-	-	0.2	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.2	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.7	0.7	9.6E-03	0.4	6.3	0.1	1.2E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.7	0.7	9.6E-03	0.4	6.3	0.1	1.2E-02
4.D - Wastewater Treatment and Discharge	NA	1.1	7.8E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.5	7.8E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.7	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-103,898.3	236.7	8.3	85.8	NE	NE	NE	NE	37.9	1,212.3	23.1	4.3
1 - Energy	2,670.8	2.9	0.2	NA	NA	NA	NA	NA	19.9	76.5	10.0	4.3
1.A - Fuel Combustion Activities	2,670.8	2.9	0.2	NA	NA	NA	NA	NA	19.9	76.5	10.0	4.3
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	41.0	NO	1.2E-02	85.8	NE	NE	NE	NE	NO	NO	1.9	NO
2.A - Mineral Industry	11.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	29.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	85.8	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.2E-02	NO	NE	NE	NO	NE	NA	NA	-	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.8	-
3 - Agriculture, Forestry, and Other Land Use	-106,611.8	229.4	8.0	NA	NA	NA	NA	NA	17.6	1,129.5	10.8	NO
3.A - Livestock		155.7	0.4	NA	NA	NA	NA	NA	NA	NA	10.8	-
3.B - Land	-106,554.1		-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	5.2E-02	73.7	7.7	NA	NA	NA	NA	NA	17.6	1,129.5	NA	NA
3.D - Other	-57.8	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.7	4.4	8.7E-02	NA	NA	NA	NA	NA	0.4	6.3	0.4	1.2E-02
4.A - Solid Waste Disposal	NA	2.5	NO	NA	NA	NA	NA	NA	NO	NO	0.2	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.7	0.7	9.6E-03	NA	NA	NA	NA	NA	0.4	6.3	0.1	1.2E-02
4.D - Wastewater Treatment and Discharge	NA	1.1	7.8E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	241.7	1.4E-02	6.5E-03	NA	NA	NA	NA	NA	4.0	0.7	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	94.5	6.6E-04	2.6E-03	NA	NA	NA	NA	NA	0.4	3.3E-02	1.5E-02	3.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	147.2	1.4E-02	3.9E-03	NA	NA	NA	NA	NA	3.6	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2009 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-92,033.2	304.3	10.3	85.7	NE	NE	NE	NE	56.0	2,275.6	23.6	3.8
1 - Energy	2,748.3	3.0	0.2	NA	NA	NA	NA	NA	21.6	79.3	10.4	3.8
1.A - Fuel Combustion Activities	2,748.3	3.0	0.2	NA	NA	NA	NA	NA	21.6	79.3	10.4	3.8
1.A.1 - Energy Industries	142.6	0.3	4.5E-02	NA	NA	NA	NA	NA	1.2	1.0	8.1E-02	1.3
1.A.2 - Manufacturing Industries and Construction	180.5	2.1E-02	3.1E-03	NA	NA	NA	NA	NA	0.7	1.0	0.2	0.8
1.A.3 - Transport	2,015.8	0.5	0.1	NA	NA	NA	NA	NA	12.7	45.0	4.7	2.2E-02
1.A.4 - Other Sectors	371.1	2.2	3.1E-02	NA	NA	NA	NA	NA	6.6	32.2	5.4	1.7
1.A.5 - Non-Specified	38.2	2.0E-03	2.0E-03	NA	NA	NA	NA	NA	0.4	9.1E-02	2.3E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	43.9	NO	1.3E-02	85.7	NE	NE	NE	NE	NO	NO	2.1	NO
2.A - Mineral Industry	13.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	13.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	30.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	21.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	85.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	85.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.3E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.3E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-94,827.1	296.5	10.1	NA	NA	NA	NA	NA	34.1	2,189.8	10.7	NO
3.A - Livestock	NA	153.6	0.4	NA	NA	NA	NA	NA	NA	NA	10.7	NA
3.A.1 - Enteric Fermentation	NA	150.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.6	0.4	NA	NA	NA	NA	NA	NA	NA	10.7	NA
3.B - Land	-94,677.4	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-103,623.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.2	142.9	9.7	NA	NA	NA	NA	NA	34.1	2,189.8	NA	NA
3.C.1 - Emissions from biomass burning	NA	142.9	4.2	NA	NA	NA	NA	NA	34.1	2,189.8	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.8E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-149.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-149.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.8	4.7	8.8E-02	NA	NA	NA	NA	NA	0.4	6.6	0.4	1.3E-02
4.A - Solid Waste Disposal	NA	2.7	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.8	0.8	1.0E-02	NA	NA	NA	NA	NA	0.4	6.6	0.1	1.3E-02

4.D - Wastewater Treatment and Discharge	NA	1.2	7.8E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	244.5	1.4E-02	6.6E-03	NA	NA	NA	NA	NA	4.1	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	95.4	6.7E-04	2.7E-03	NA	NA	NA	NA	NA	0.4	3.3E-02	1.5E-02	3.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	149.0	1.4E-02	3.9E-03	NA	NA	NA	NA	NA	3.7	0.7	0.2	0.9
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	2,748.3	3.0	0.2	21.6	79.3	10.4	3.8
1.A - Fuel Combustion Activities	2,748.3	3.0	0.2	21.6	79.3	10.4	3.8
1.A.1 - Energy Industries	142.6	0.3	4.5E-02	1.2	1.0	8.1E-02	1.3
1.A.1.a - Main Activity Electricity and Heat Production	142.6	1.6E-03	2.2E-03	0.3	1.3E-02	1.6E-03	1.2
1.A.1.a.i - Electricity Generation	142.6	1.6E-03	2.2E-03	0.3	1.3E-02	1.6E-03	1.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.3	4.3E-02	0.9	1.0	7.9E-02	0.1
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.3	4.3E-02	0.9	1.0	7.9E-02	0.1
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	180.5	2.1E-02	3.1E-03	0.7	1.0	0.2	0.8
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	178.4	2.1E-02	3.1E-03	0.7	1.0	0.2	0.8
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.1	8.8E-05	1.8E-05	1.5E-02	1.9E-03	7.3E-04	1.4E-03
1.A.3 - Transport	2,015.8	0.5	0.1	12.7	45.0	4.7	2.2E-02
1.A.3.a - Civil Aviation	20.6	1.5E-04	5.8E-04	4.8E-02	3.9	6.1E-02	6.6E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	20.6	1.5E-04	5.8E-04	4.8E-02	3.9	6.1E-02	6.6E-03
1.A.3.b - Road Transportation	1,945.2	0.5	9.6E-02	11.8	41.0	4.6	1.5E-02
1.A.3.b.i - Cars	469.6	0.2	2.2E-02	1.4	10.8	1.3	5.3E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	151.3	6.2E-02	7.1E-03	0.5	3.5	0.4	1.7E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	318.3	0.1	1.5E-02	1.0	7.3	0.9	3.6E-03
1.A.3.b.ii - Light-duty trucks	842.6	0.3	4.1E-02	3.7	28.3	2.8	8.0E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	631.9	0.2	3.1E-02	2.8	21.3	2.1	6.0E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	210.6	7.0E-02	1.0E-02	0.9	7.1	0.7	2.0E-03
1.A.3.b.iii - Heavy-duty trucks and buses	630.8	3.3E-02	3.3E-02	6.6	1.5	0.4	1.6E-03
1.A.3.b.iv - Motorcycles	2.2	1.0E-03	1.0E-04	4.7E-03	0.4	9.3E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	50.1	2.8E-03	1.9E-02	0.8	0.2	7.4E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	371.1	2.2	3.1E-02	6.6	32.2	5.4	1.7
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	115.9	2.2	2.9E-02	0.6	28.9	4.3	7.9E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	255.3	3.5E-02	2.1E-03	6.0	3.3	1.1	1.6
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	255.3	3.5E-02	2.1E-03	6.0	3.3	1.1	1.6
1.A.5 - Non-Specified	38.2	2.0E-03	2.0E-03	0.4	9.1E-02	2.3E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	38.2	2.0E-03	2.0E-03	0.4	9.1E-02	2.3E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	38.2	2.0E-03	2.0E-03	0.4	9.1E-02	2.3E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	244.5	1.4E-02	6.6E-03	4.1	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	95.4	6.7E-04	2.7E-03	0.4	3.3E-02	1.5E-02	3.0E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	149.0	1.4E-02	3.9E-03	3.7	0.7	0.2	0.9
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	2,019.5	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	43.9	-	6.4E-03	85.7	-	-	-	-	-	-	2.1	-
2.A - Mineral Industry	13.6	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	13.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	30.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	21.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	85.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	85.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	73.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	12.1	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	6.4E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	6.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	6.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-94,827.1	296.5	10.1	34.1	2,189.8	10.7
3.A - Livestock	NA	153.6	0.4	NA	NA	10.7
3.A.1 - Enteric Fermentation	NA	150.0	NA	NA	NA	NA
3.A.1.a - Cattle	NA	129.6	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	129.4	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	9.0	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.0	NA	NA	NA	NA
3.A.1.e - Camels	NA	1.1E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.7	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.7	NA	NA	NA	NA
3.A.1.h - Swine	NA	4.8E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.6	0.4	NA	NA	10.7
3.A.2.a - Cattle	NA	2.5	0.4	NA	NA	8.9
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.5	0.4	NA	NA	8.9
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.3
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	5.9E-05	NA	NA	NA	-
3.A.2.f - Horses	NA	8.4E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.3
3.A.2.h - Swine	NA	4.8E-02	2.5E-03	NA	NA	2.7E-02
3.A.2.i - Poultry	NA	2.5E-02	7.1E-04	NA	NA	9.1E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-94,677.4	NA	NO	NO	NO	NO
3.B.1 - Forest land	-103,623.9	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-102,124.8	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.2	142.9	9.7	34.1	2,189.8	NO
3.C.1 - Emissions from biomass burning	-	142.9	4.2	34.1	2,189.8	NO
3.C.1.a - Biomass burning in forest lands	NA	142.6	4.2	33.5	2,180.7	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.9E-02	0.5	9.1	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.2	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.1	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	3.8E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-149.9	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-149.9	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.8	4.7	8.8E-02	0.4	6.6	0.4	1.3E-02
4.A - Solid Waste Disposal	-	2.7	-	-	-	0.3	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.3	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.8	0.8	1.0E-02	0.4	6.6	0.1	1.3E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.8	0.8	1.0E-02	0.4	6.6	0.1	1.3E-02
4.D - Wastewater Treatment and Discharge	NA	1.2	7.8E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.5	7.8E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.8	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-92,033.2	304.3	10.3	85.7	NE	NE	NE	NE	56.0	2,275.6	23.6	3.8
1 - Energy	2,748.3	3.0	0.2	NA	NA	NA	NA	NA	21.6	79.3	10.4	3.8
1.A - Fuel Combustion Activities	2,748.3	3.0	0.2	NA	NA	NA	NA	NA	21.6	79.3	10.4	3.8
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	43.9	NO	1.3E-02	85.7	NE	NE	NE	NE	NO	NO	2.1	NO	NO
2.A - Mineral Industry	13.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	30.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	85.7	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.3E-02	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	1.0	-	-
3 - Agriculture, Forestry, and Other Land Use	-94,827.1	296.5	10.1	NA	NA	NA	NA	NA	34.1	2,189.8	10.7	NO	NO
3.A - Livestock		153.6	0.4	NA	NA	NA	NA	NA	NA	NA	10.7	-	-
3.B - Land	-94,677.4		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.2	142.9	9.7	NA	NA	NA	NA	NA	34.1	2,189.8	NA	NA	NA
3.D - Other	-149.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.8	4.7	8.8E-02	NA	NA	NA	NA	NA	0.4	6.6	0.4	1.3E-02	NO
4.A - Solid Waste Disposal	NA	2.7	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.8	0.8	1.0E-02	NA	NA	NA	NA	NA	0.4	6.6	0.1	1.3E-02	NO
4.D - Wastewater Treatment and Discharge	NA	1.2	7.8E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	244.5	1.4E-02	6.6E-03	NA	NA	NA	NA	NA	4.1	0.8	0.3	1.0	NO
1.A.3.a.i - International Aviation (International Bunkers)	95.4	6.7E-04	2.7E-03	NA	NA	NA	NA	NA	0.4	3.3E-02	1.5E-02	3.0E-02	NO
1.A.3.d.i - International water-borne navigation (International bunkers)	149.0	1.4E-02	3.9E-03	NA	NA	NA	NA	NA	3.7	0.7	0.2	0.9	NO
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2010 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-96,095.2	274.3	9.4	84.6	NE	NE	NE	NE	52.2	1,958.5	23.7	3.1
1 - Energy	2,836.6	3.1	0.2	NA	NA	NA	NA	NA	22.8	83.6	10.9	3.1
1.A - Fuel Combustion Activities	2,836.6	3.1	0.2	NA	NA	NA	NA	NA	22.8	83.6	10.9	3.1
1.A.1 - Energy Industries	35.5	0.3	3.9E-02	NA	NA	NA	NA	NA	0.9	0.9	7.1E-02	0.4
1.A.2 - Manufacturing Industries and Construction	190.4	2.1E-02	3.2E-03	NA	NA	NA	NA	NA	0.8	1.1	0.2	0.9
1.A.3 - Transport	2,210.6	0.6	0.1	NA	NA	NA	NA	NA	13.9	48.9	5.1	2.3E-02
1.A.4 - Other Sectors	359.3	2.2	3.1E-02	NA	NA	NA	NA	NA	6.8	32.6	5.5	1.8
1.A.5 - Non-Specified	40.8	2.1E-03	2.1E-03	NA	NA	NA	NA	NA	0.4	9.7E-02	2.4E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	39.7	NO	1.3E-02	84.6	NE	NE	NE	NE	NO	NO	2.1	NO
2.A - Mineral Industry	15.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	15.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	24.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO
2.D.1 - Lubricant Use	8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	16.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	84.6	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	84.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.3E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.3E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	0.9	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.9	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-98,973.4	266.2	9.1	NA	NA	NA	NA	NA	29.1	1,868.1	10.3	NO
3.A - Livestock	NA	144.2	0.4	NA	NA	NA	NA	NA	NA	NA	10.3	NA
3.A.1 - Enteric Fermentation	NA	140.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.4	0.4	NA	NA	NA	NA	NA	NA	NA	10.3	NA
3.B - Land	-98,887.7	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-107,834.2	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	57.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	8.0E-02	121.9	8.7	NA	NA	NA	NA	NA	29.1	1,868.1	NA	NA
3.C.1 - Emissions from biomass burning	NA	121.9	3.6	NA	NA	NA	NA	NA	29.1	1,868.1	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	8.0E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	5.6E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-85.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-85.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	1.9	5.0	8.8E-02	NA	NA	NA	NA	NA	0.4	6.9	0.4	1.4E-02
4.A - Solid Waste Disposal	NA	3.0	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.9	0.8	1.1E-02	NA	NA	NA	NA	NA	0.4	6.9	0.2	1.4E-02

4.D - Wastewater Treatment and Discharge	NA	1.3	7.7E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	248.9	1.5E-02	6.7E-03	NA	NA	NA	NA	NA	4.1	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	98.1	6.9E-04	2.7E-03	NA	NA	NA	NA	NA	0.4	3.4E-02	1.6E-02	3.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	150.8	1.4E-02	4.0E-03	NA	NA	NA	NA	NA	3.7	0.7	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	2,836.6	3.1	0.2	22.8	83.6	10.9	3.1
1.A - Fuel Combustion Activities	2,836.6	3.1	0.2	22.8	83.6	10.9	3.1
1.A.1 - Energy Industries	35.5	0.3	3.9E-02	0.9	0.9	7.1E-02	0.4
1.A.1.a - Main Activity Electricity and Heat Production	35.5	4.7E-04	5.3E-04	7.7E-02	3.6E-03	4.0E-04	0.3
1.A.1.a.i - Electricity Generation	35.5	4.7E-04	5.3E-04	7.7E-02	3.6E-03	4.0E-04	0.3
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.3	3.9E-02	0.8	0.9	7.1E-02	0.1
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.3	3.9E-02	0.8	0.9	7.1E-02	0.1
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	190.4	2.1E-02	3.2E-03	0.8	1.1	0.2	0.9
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	188.2	2.1E-02	3.2E-03	0.7	1.1	0.2	0.9
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.2	9.1E-05	1.8E-05	1.6E-02	2.0E-03	7.6E-04	1.4E-03
1.A.3 - Transport	2,210.6	0.6	0.1	13.9	48.9	5.1	2.3E-02
1.A.3.a - Civil Aviation	22.0	1.6E-04	6.2E-04	5.0E-02	4.3	6.9E-02	7.1E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	22.0	1.6E-04	6.2E-04	5.0E-02	4.3	6.9E-02	7.1E-03
1.A.3.b - Road Transportation	2,136.7	0.5	0.1	13.0	44.4	4.9	1.6E-02
1.A.3.b.i - Cars	507.5	0.2	2.4E-02	1.6	11.6	1.4	5.6E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	163.9	6.7E-02	7.7E-03	0.5	3.8	0.5	1.8E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	343.7	0.1	1.6E-02	1.1	7.9	0.9	3.8E-03
1.A.3.b.ii - Light-duty trucks	928.2	0.3	4.5E-02	4.1	30.7	3.0	8.7E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	696.1	0.2	3.4E-02	3.1	23.1	2.3	6.5E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	232.0	7.6E-02	1.1E-02	1.0	7.7	0.8	2.2E-03
1.A.3.b.iii - Heavy-duty trucks and buses	698.7	3.7E-02	3.7E-02	7.3	1.7	0.4	1.8E-03
1.A.3.b.iv - Motorcycles	2.3	1.1E-03	1.1E-04	4.9E-03	0.4	9.7E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	51.8	2.8E-03	1.9E-02	0.9	0.2	7.7E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	359.3	2.2	3.1E-02	6.8	32.6	5.5	1.8
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	93.5	2.2	2.9E-02	0.6	29.2	4.4	8.0E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	265.8	3.6E-02	2.2E-03	6.2	3.5	1.1	1.7
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	265.8	3.6E-02	2.2E-03	6.2	3.5	1.1	1.7
1.A.5 - Non-Specified	40.8	2.1E-03	2.1E-03	0.4	9.7E-02	2.4E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	40.8	2.1E-03	2.1E-03	0.4	9.7E-02	2.4E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	40.8	2.1E-03	2.1E-03	0.4	9.7E-02	2.4E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	248.9	1.5E-02	6.7E-03	4.1	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	98.1	6.9E-04	2.7E-03	0.4	3.4E-02	1.6E-02	3.1E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	150.8	1.4E-02	4.0E-03	3.7	0.7	0.3	1.0
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,901.4	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	39.7	-	6.6E-03	84.6	-	-	-	-	-	-	2.1	-
2.A - Mineral Industry	15.2	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	15.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	24.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO
2.D.1 - Lubricant Use	8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	16.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	84.6	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	84.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	71.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	12.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	6.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	6.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	6.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	0.9	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	0.9	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-98,973.4	266.2	9.1	29.1	1,868.1	10.3
3.A - Livestock	NA	144.2	0.4	NA	NA	10.3
3.A.1 - Enteric Fermentation	NA	140.8	NA	NA	NA	NA
3.A.1.a - Cattle	NA	123.1	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	123.0	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	6.9	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.5	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.0E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.9	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.4	NA	NA	NA	NA
3.A.1.h - Swine	NA	6.3E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.4	0.4	NA	NA	10.3
3.A.2.a - Cattle	NA	2.4	0.4	NA	NA	8.6
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.4	0.4	NA	NA	8.6
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.3	NA	NA	NA	0.2
3.A.2.d - Goats	NA	0.4	NA	NA	NA	0.9
3.A.2.e - Camels	NA	1.1E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	6.3E-02	3.3E-03	NA	NA	3.5E-02
3.A.2.i - Poultry	NA	2.3E-02	6.6E-04	NA	NA	8.4E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-98,887.7	NA	NO	NO	NO	NO
3.B.1 - Forest land	-107,834.2	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-106,335.2	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-1,499.0	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-120.8	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-1,378.2	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	8,888.7	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	57.7	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	50.6	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	8.0E-02	121.9	8.7	29.1	1,868.1	NO
3.C.1 - Emissions from biomass burning	-	121.9	3.6	29.1	1,868.1	NO
3.C.1.a - Biomass burning in forest lands	NA	121.7	3.6	28.6	1,860.7	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.4E-02	0.4	7.3	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	8.0E-02	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	4.7	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	5.6E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-85.7	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-85.7	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	1.9	5.0	8.8E-02	0.4	6.9	0.4	1.4E-02
4.A - Solid Waste Disposal	-	3.0	-	-	-	0.3	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.3	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	1.9	0.8	1.1E-02	0.4	6.9	0.2	1.4E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	1.9	0.8	1.1E-02	0.4	6.9	0.2	1.4E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.7E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.5	7.7E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.8	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-96,095.2	274.3	9.4	84.6	NE	NE	NE	NE	52.2	1,958.5	23.7	3.1
1 - Energy	2,836.6	3.1	0.2	NA	NA	NA	NA	NA	22.8	83.6	10.9	3.1
1.A - Fuel Combustion Activities	2,836.6	3.1	0.2	NA	NA	NA	NA	NA	22.8	83.6	10.9	3.1
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	39.7	NO	1.3E-02	84.6	NE	NE	NE	NE	NO	NO	2.1	NO	NO
2.A - Mineral Industry	15.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	24.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.1	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	84.6	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.3E-02	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	0.9	-	-
3 - Agriculture, Forestry, and Other Land Use	-98,973.4	266.2	9.1	NA	NA	NA	NA	NA	29.1	1,868.1	10.3	NO	NO
3.A - Livestock		144.2	0.4	NA	NA	NA	NA	NA	NA	NA	10.3	-	-
3.B - Land	-98,887.7		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	8.0E-02	121.9	8.7	NA	NA	NA	NA	NA	29.1	1,868.1	NA	NA	NA
3.D - Other	-85.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	1.9	5.0	8.8E-02	NA	NA	NA	NA	NA	0.4	6.9	0.4	1.4E-02	NO
4.A - Solid Waste Disposal	NA	3.0	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	1.9	0.8	1.1E-02	NA	NA	NA	NA	NA	0.4	6.9	0.2	1.4E-02	NO
4.D - Wastewater Treatment and Discharge	NA	1.3	7.7E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	248.9	1.5E-02	6.7E-03	NA	NA	NA	NA	NA	4.1	0.8	0.3	1.0	NO
1.A.3.a.i - International Aviation (International Bunkers)	98.1	6.9E-04	2.7E-03	NA	NA	NA	NA	NA	0.4	3.4E-02	1.6E-02	3.1E-02	NO
1.A.3.d.i - International water-borne navigation (International bunkers)	150.8	1.4E-02	4.0E-03	NA	NA	NA	NA	NA	3.7	0.7	0.3	1.0	NO
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2011 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-93,328.9	309.7	10.7	89.7	NE	NE	NE	NE	53.5	2,089.6	24.8	3.1
1 - Energy	2,712.9	3.0	0.2	NA	NA	NA	NA	NA	21.9	79.0	10.5	3.1
1.A - Fuel Combustion Activities	2,712.9	3.0	0.2	NA	NA	NA	NA	NA	21.9	79.0	10.5	3.1
1.A.1 - Energy Industries	13.0	0.2	2.9E-02	NA	NA	NA	NA	NA	0.6	0.7	5.3E-02	0.2
1.A.2 - Manufacturing Industries and Construction	221.0	2.5E-02	3.8E-03	NA	NA	NA	NA	NA	0.8	1.4	0.2	1.2
1.A.3 - Transport	2,076.0	0.5	0.1	NA	NA	NA	NA	NA	13.4	43.7	4.6	2.4E-02
1.A.4 - Other Sectors	358.4	2.2	3.1E-02	NA	NA	NA	NA	NA	6.7	33.1	5.6	1.7
1.A.5 - Non-Specified	44.5	2.7E-03	2.3E-03	NA	NA	NA	NA	NA	0.5	0.1	3.0E-02	2.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	189.0	NO	1.4E-02	89.7	NE	NE	NE	NE	NO	NO	2.2	NO
2.A - Mineral Industry	162.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	147.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	14.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	26.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.2	NO
2.D.1 - Lubricant Use	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	89.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	89.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.4E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.4E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-96,232.8	301.4	10.4	NA	NA	NA	NA	NA	31.2	2,003.0	11.7	NO
3.A - Livestock	NA	170.7	0.4	NA	NA	NA	NA	NA	NA	NA	11.7	NA
3.A.1 - Enteric Fermentation	NA	166.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.9	0.4	NA	NA	NA	NA	NA	NA	NA	11.7	NA
3.B - Land	-96,110.9	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-105,879.6	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	12.8	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.4	130.7	10.0	NA	NA	NA	NA	NA	31.2	2,003.0	NA	NA
3.C.1 - Emissions from biomass burning	NA	130.7	3.9	NA	NA	NA	NA	NA	31.2	2,003.0	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	6.2E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-122.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-122.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.1	5.3	8.9E-02	NA	NA	NA	NA	NA	0.4	7.5	0.5	1.5E-02
4.A - Solid Waste Disposal	NA	3.2	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.1	0.9	1.2E-02	NA	NA	NA	NA	NA	0.4	7.5	0.2	1.5E-02

4.D - Wastewater Treatment and Discharge	NA	1.3	7.7E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	273.7	1.5E-02	7.4E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	119.3	8.3E-04	3.3E-03	NA	NA	NA	NA	NA	0.5	4.2E-02	1.9E-02	3.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	2,712.9	3.0	0.2	21.9	79.0	10.5	3.1
1.A - Fuel Combustion Activities	2,712.9	3.0	0.2	21.9	79.0	10.5	3.1
1.A.1 - Energy Industries	13.0	0.2	2.9E-02	0.6	0.7	5.3E-02	0.2
1.A.1.a - Main Activity Electricity and Heat Production	13.0	2.5E-04	1.7E-04	2.7E-02	1.6E-03	2.0E-04	0.1
1.A.1.a.i - Electricity Generation	13.0	2.5E-04	1.7E-04	2.7E-02	1.6E-03	2.0E-04	0.1
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.2	2.9E-02	0.6	0.7	5.3E-02	7.8E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.2	2.9E-02	0.6	0.7	5.3E-02	7.8E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	221.0	2.5E-02	3.8E-03	0.8	1.4	0.2	1.2
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	218.9	2.5E-02	3.7E-03	0.8	1.4	0.2	1.2
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.1	8.7E-05	1.7E-05	1.5E-02	1.9E-03	7.0E-04	1.4E-03
1.A.3 - Transport	2,076.0	0.5	0.1	13.4	43.7	4.6	2.4E-02
1.A.3.a - Civil Aviation	28.4	2.0E-04	8.0E-04	7.2E-02	4.1	6.5E-02	9.1E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	28.4	2.0E-04	8.0E-04	7.2E-02	4.1	6.5E-02	9.1E-03
1.A.3.b - Road Transportation	2,000.8	0.5	9.9E-02	12.5	39.5	4.4	1.4E-02
1.A.3.b.i - Cars	420.9	0.2	2.0E-02	1.3	9.7	1.2	4.7E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	135.7	5.5E-02	6.4E-03	0.4	3.1	0.4	1.5E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	285.2	0.1	1.3E-02	0.9	6.5	0.8	3.2E-03
1.A.3.b.ii - Light-duty trucks	874.3	0.3	4.3E-02	3.9	27.8	2.7	7.9E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	655.7	0.2	3.2E-02	2.9	20.8	2.1	5.9E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	218.6	6.9E-02	1.1E-02	1.0	6.9	0.7	2.0E-03
1.A.3.b.iii - Heavy-duty trucks and buses	703.2	3.7E-02	3.7E-02	7.4	1.7	0.4	1.8E-03
1.A.3.b.iv - Motorcycles	2.3	1.1E-03	1.1E-04	5.0E-03	0.4	9.9E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	46.9	2.6E-03	1.8E-02	0.8	0.2	7.0E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	358.4	2.2	3.1E-02	6.7	33.1	5.6	1.7
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	98.3	2.2	2.9E-02	0.6	29.5	4.4	8.1E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	260.1	3.5E-02	2.1E-03	6.1	3.5	1.2	1.6
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	260.1	3.5E-02	2.1E-03	6.1	3.5	1.2	1.6
1.A.5 - Non-Specified	44.5	2.7E-03	2.3E-03	0.5	0.1	3.0E-02	2.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	44.5	2.7E-03	2.3E-03	0.5	0.1	3.0E-02	2.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	44.5	2.7E-03	2.3E-03	0.5	0.1	3.0E-02	2.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	273.7	1.5E-02	7.4E-03	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	119.3	8.3E-04	3.3E-03	0.5	4.2E-02	1.9E-02	3.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	154.4	1.4E-02	4.1E-03	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,639.9	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	189.0	-	6.8E-03	89.7	-	-	-	-	-	-	2.2	-
2.A - Mineral Industry	162.3	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	147.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	14.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	26.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.2	NO
2.D.1 - Lubricant Use	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	89.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	89.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	76.1	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	13.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	6.8E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	6.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	6.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-96,232.8	301.4	10.4	31.2	2,003.0	11.7
3.A - Livestock	NA	170.7	0.4	NA	NA	11.7
3.A.1 - Enteric Fermentation	NA	166.8	NA	NA	NA	NA
3.A.1.a - Cattle	NA	145.1	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	145.0	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	11.0	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.7	NA	NA	NA	NA
3.A.1.e - Camels	NA	3.2E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.8	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.1	NA	NA	NA	NA
3.A.1.h - Swine	NA	4.4E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.9	0.4	NA	NA	11.7
3.A.2.a - Cattle	NA	2.8	0.4	NA	NA	1.2E-02
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.8	0.4	NA	NA	-
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	0.9
3.A.2.e - Camels	NA	1.8E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	1.0E-01	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.1	NA	NA	NA	0.2
3.A.2.h - Swine	NA	4.4E-02	2.3E-03	NA	NA	2.4E-02
3.A.2.i - Poultry	NA	2.1E-02	5.8E-04	NA	NA	7.4E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-96,110.9	NA	NO	NO	NO	NO
3.B.1 - Forest land	-105,879.6	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-104,916.9	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-962.7	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-62.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-900.5	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.4	130.7	10.0	31.2	2,003.0	NO
3.C.1 - Emissions from biomass burning	-	130.7	3.9	31.2	2,003.0	NO
3.C.1.a - Biomass burning in forest lands	NA	130.5	3.8	30.7	1,995.1	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.5E-02	0.5	7.9	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.4	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.7	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	6.2E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-122.4	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-122.4	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	2.1	5.3	8.9E-02	0.4	7.5	0.5	1.5E-02
4.A - Solid Waste Disposal	-	3.2	-	-	-	0.3	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.3	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.1	0.9	1.2E-02	0.4	7.5	0.2	1.5E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	2.1	0.9	1.2E-02	0.4	7.5	0.2	1.5E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.7E-02	NO	NO	9.0E-07	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.5	7.7E-02	NO	NO	7.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.7	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-93,328.9	309.7	10.7	89.7	NE	NE	NE	NE	53.5	2,089.6	24.8	3.1
1 - Energy	2,712.9	3.0	0.2	NA	NA	NA	NA	NA	21.9	79.0	10.5	3.1
1.A - Fuel Combustion Activities	2,712.9	3.0	0.2	NA	NA	NA	NA	NA	21.9	79.0	10.5	3.1
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	189.0	NO	1.4E-02	89.7	NE	NE	NE	NE	NO	NO	2.2	NO
2.A - Mineral Industry	162.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	26.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.2	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	89.7	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.4E-02	NO	NE	NE	NO	NE	NA	NA	-	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	1.0	-
3 - Agriculture, Forestry, and Other Land Use	-96,232.8	301.4	10.4	NA	NA	NA	NA	NA	31.2	2,003.0	11.7	NO
3.A - Livestock		170.7	0.4	NA	NA	NA	NA	NA	NA	NA	11.7	-
3.B - Land	-96,110.9		-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.4	130.7	10.0	NA	NA	NA	NA	NA	31.2	2,003.0	NA	NA
3.D - Other	-122.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.1	5.3	8.9E-02	NA	NA	NA	NA	NA	0.4	7.5	0.5	1.5E-02
4.A - Solid Waste Disposal	NA	3.2	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.1	0.9	1.2E-02	NA	NA	NA	NA	NA	0.4	7.5	0.2	1.5E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.7E-02	NA	NA	NA	NA	NA	NO	NO	9.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	273.7	1.5E-02	7.4E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	119.3	8.3E-04	3.3E-03	NA	NA	NA	NA	NA	0.5	4.2E-02	1.9E-02	3.8E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2012 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-92,069.3	327.2	11.3	91.2	NE	NE	NE	NE	57.2	2,178.9	25.9	3.9
1 - Energy	2,918.1	3.0	0.2	NA	NA	NA	NA	NA	24.2	79.4	10.7	3.8
1.A - Fuel Combustion Activities	2,918.1	3.0	0.2	NA	NA	NA	NA	NA	24.2	79.4	10.7	3.8
1.A.1 - Energy Industries	96.5	0.2	3.1E-02	NA	NA	NA	NA	NA	0.8	0.7	5.5E-02	0.9
1.A.2 - Manufacturing Industries and Construction	191.1	3.5E-02	5.0E-03	NA	NA	NA	NA	NA	0.8	1.4	0.3	0.9
1.A.3 - Transport	2,173.3	0.5	0.1	NA	NA	NA	NA	NA	14.1	44.2	4.6	2.3E-02
1.A.4 - Other Sectors	406.8	2.2	3.2E-02	NA	NA	NA	NA	NA	8.0	33.0	5.6	2.0
1.A.5 - Non-Specified	50.5	3.0E-03	2.7E-03	NA	NA	NA	NA	NA	0.5	0.2	3.4E-02	3.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	262.4	NO	1.4E-02	91.2	NE	NE	NE	NE	NO	NO	2.3	NO
2.A - Mineral Industry	237.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	222.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	15.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	24.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.2	NO
2.D.1 - Lubricant Use	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	15.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	91.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	91.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.4E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.4E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-95,252.1	318.4	11.0	NA	NA	NA	NA	NA	32.5	2,091.2	12.5	NO
3.A - Livestock	NA	181.9	0.5	NA	NA	NA	NA	NA	NA	NA	12.5	NA
3.A.1 - Enteric Fermentation	NA	177.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	4.2	0.5	NA	NA	NA	NA	NA	NA	NA	12.5	NA
3.B - Land	-95,161.7	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-104,930.4	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	12.8	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.5	136.5	10.6	NA	NA	NA	NA	NA	32.5	2,091.2	NA	NA
3.C.1 - Emissions from biomass burning	NA	136.5	4.0	NA	NA	NA	NA	NA	32.5	2,091.2	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	6.4E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-91.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-91.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.3	5.8	8.9E-02	NA	NA	NA	NA	NA	0.5	8.2	0.5	1.6E-02
4.A - Solid Waste Disposal	NA	3.4	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.3	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.2	0.2	1.6E-02

4.D - Wastewater Treatment and Discharge	NA	1.5	7.6E-02	NA	NA	NA	NA	NA	NO	NO	1.1E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	2,918.1	3.0	0.2	24.2	79.4	10.7	3.8
1.A - Fuel Combustion Activities	2,918.1	3.0	0.2	24.2	79.4	10.7	3.8
1.A.1 - Energy Industries	96.5	0.2	3.1E-02	0.8	0.7	5.5E-02	0.9
1.A.1.a - Main Activity Electricity and Heat Production	96.5	1.5E-03	1.4E-03	0.2	1.1E-02	1.4E-03	0.8
1.A.1.a.i - Electricity Generation	96.5	1.5E-03	1.4E-03	0.2	1.1E-02	1.4E-03	0.8
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.2	2.9E-02	0.6	0.7	5.4E-02	7.9E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.2	2.9E-02	0.6	0.7	5.4E-02	7.9E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	191.1	3.5E-02	5.0E-03	0.8	1.4	0.3	0.9
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	188.7	2.2E-02	3.3E-03	0.7	1.1	0.2	0.9
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.4	1.3E-02	1.7E-03	5.5E-02	0.2	0.1	6.2E-03
1.A.3 - Transport	2,173.3	0.5	0.1	14.1	44.2	4.6	2.3E-02
1.A.3.a - Civil Aviation	25.1	1.8E-04	7.1E-04	6.1E-02	4.2	6.6E-02	8.0E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	25.1	1.8E-04	7.1E-04	6.1E-02	4.2	6.6E-02	8.0E-03
1.A.3.b - Road Transportation	2,097.7	0.5	0.1	13.2	39.9	4.5	1.5E-02
1.A.3.b.i - Cars	439.5	0.2	2.1E-02	1.3	10.1	1.2	4.9E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	141.7	5.8E-02	6.6E-03	0.4	3.3	0.4	1.6E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	297.9	0.1	1.4E-02	0.9	6.8	0.8	3.3E-03
1.A.3.b.ii - Light-duty trucks	911.0	0.3	4.4E-02	4.1	27.7	2.8	8.0E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	683.3	0.2	3.3E-02	3.0	20.8	2.1	6.0E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	227.8	6.9E-02	1.1E-02	1.0	6.9	0.7	2.0E-03
1.A.3.b.iii - Heavy-duty trucks and buses	744.9	3.9E-02	3.9E-02	7.8	1.8	0.4	1.9E-03
1.A.3.b.iv - Motorcycles	2.3	1.1E-03	1.0E-04	4.8E-03	0.4	9.6E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	50.5	2.8E-03	1.9E-02	0.8	0.2	7.5E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	406.8	2.2	3.2E-02	8.0	33.0	5.6	2.0
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	93.7	2.2	2.9E-02	0.6	29.2	4.4	8.0E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	313.0	4.2E-02	2.5E-03	7.4	3.8	1.2	2.0
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	313.0	4.2E-02	2.5E-03	7.4	3.8	1.2	2.0
1.A.5 - Non-Specified	50.5	3.0E-03	2.7E-03	0.5	0.2	3.4E-02	3.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	50.5	3.0E-03	2.7E-03	0.5	0.2	3.4E-02	3.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	50.5	3.0E-03	2.7E-03	0.5	0.2	3.4E-02	3.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	263.1	1.5E-02	7.1E-03	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	108.7	7.6E-04	3.0E-03	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	154.4	1.4E-02	4.1E-03	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,688.2	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	262.4	-	7.1E-03	91.2	-	-	-	-	-	-	2.3	-
2.A - Mineral Industry	237.9	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	222.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	15.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	24.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.2	NO
2.D.1 - Lubricant Use	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	15.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	91.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	91.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	76.9	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	14.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.1E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	7.1E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	7.1E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-95,252.1	318.4	11.0	32.5	2,091.2	12.5
3.A - Livestock	NA	181.9	0.5	NA	NA	12.5
3.A.1 - Enteric Fermentation	NA	177.7	NA	NA	NA	NA
3.A.1.a - Cattle	NA	152.6	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.1	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	152.5	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	13.4	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.7	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.2E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.8	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.1	NA	NA	NA	NA
3.A.1.h - Swine	NA	6.9E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	4.2	0.5	NA	NA	12.5
3.A.2.a - Cattle	NA	2.9	0.5	NA	NA	10.5
3.A.2.a.i - Dairy cows	NA	1.5E-03	1.4E-03	NA	NA	1.2E-02
3.A.2.a.ii - Other cattle	NA	2.9	0.4	NA	NA	10.5
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.5	NA	NA	NA	0.5
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	1.2E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.1	NA	NA	NA	0.2
3.A.2.h - Swine	NA	6.9E-02	3.7E-03	NA	NA	3.8E-02
3.A.2.i - Poultry	NA	2.8E-02	8.0E-04	NA	NA	0.1
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-95,161.7	NA	NO	NO	NO	NO
3.B.1 - Forest land	-104,930.4	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-103,967.7	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-962.7	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-62.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-900.5	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.5	136.5	10.6	32.5	2,091.2	NO
3.C.1 - Emissions from biomass burning	-	136.5	4.0	32.5	2,091.2	NO
3.C.1.a - Biomass burning in forest lands	NA	136.2	4.0	32.1	2,083.3	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.3	2.6E-02	0.5	8.0	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.5	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	6.1	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	6.4E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-91.0	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-91.0	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	2.3	5.8	8.9E-02	0.5	8.2	0.5	1.6E-02
4.A - Solid Waste Disposal	-	3.4	-	-	-	0.3	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.3	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.3	1.0	1.3E-02	0.5	8.2	0.2	1.6E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	2.3	1.0	1.3E-02	0.5	8.2	0.2	1.6E-02
4.D - Wastewater Treatment and Discharge	NA	1.5	7.6E-02	NO	NO	1.1E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.5	7.6E-02	NO	NO	8.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.9	NA	NO	NO	3.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-92,069.3	327.2	11.3	91.2	NE	NE	NE	NE	57.2	2,178.9	25.9	3.9
1 - Energy	2,918.1	3.0	0.2	NA	NA	NA	NA	NA	24.2	79.4	10.7	3.8
1.A - Fuel Combustion Activities	2,918.1	3.0	0.2	NA	NA	NA	NA	NA	24.2	79.4	10.7	3.8
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	262.4	NO	1.4E-02	91.2	NE	NE	NE	NE	NO	NO	2.3	NO
2.A - Mineral Industry	237.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	24.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.2	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	91.2	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.4E-02	NO	NE	NE	NO	NE	NA	NA	-	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	1.0	-
3 - Agriculture, Forestry, and Other Land Use	-95,252.1	318.4	11.0	NA	NA	NA	NA	NA	32.5	2,091.2	12.5	NO
3.A - Livestock		181.9	0.5	NA	NA	NA	NA	NA	NA	NA	12.5	-
3.B - Land	-95,161.7		-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.5	136.5	10.6	NA	NA	NA	NA	NA	32.5	2,091.2	NA	NA
3.D - Other	-91.0	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.3	5.8	8.9E-02	NA	NA	NA	NA	NA	0.5	8.2	0.5	1.6E-02
4.A - Solid Waste Disposal	NA	3.4	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.3	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.2	0.2	1.6E-02
4.D - Wastewater Treatment and Discharge	NA	1.5	7.6E-02	NA	NA	NA	NA	NA	NO	NO	1.1E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2013 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-110,044.4	210.5	7.7	94.7	NE	NE	NE	NE	31.7	669.8	24.5	2.6
1 - Energy	2,776.3	3.0	0.2	NA	NA	NA	NA	NA	22.2	79.1	10.4	2.6
1.A - Fuel Combustion Activities	2,776.3	3.0	0.2	NA	NA	NA	NA	NA	22.2	79.1	10.4	2.6
1.A.1 - Energy Industries	15.4	0.3	3.4E-02	NA	NA	NA	NA	NA	0.7	0.8	6.3E-02	0.2
1.A.2 - Manufacturing Industries and Construction	174.5	3.6E-02	5.1E-03	NA	NA	NA	NA	NA	0.7	1.4	0.3	0.9
1.A.3 - Transport	2,215.6	0.5	0.1	NA	NA	NA	NA	NA	14.3	45.2	4.7	2.3E-02
1.A.4 - Other Sectors	319.0	2.2	3.0E-02	NA	NA	NA	NA	NA	5.9	31.6	5.2	1.5
1.A.5 - Non-Specified	51.9	3.1E-03	2.7E-03	NA	NA	NA	NA	NA	0.5	0.2	3.5E-02	3.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	309.1	NO	1.5E-02	94.7	NE	NE	NE	NE	NO	NO	2.3	NO
2.A - Mineral Industry	286.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	270.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	16.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	22.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.D.1 - Lubricant Use	9.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	94.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	94.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.5E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.5E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-113,132.2	201.7	7.4	NA	NA	NA	NA	NA	9.1	582.4	11.3	NO
3.A - Livestock	NA	163.7	0.4	NA	NA	NA	NA	NA	NA	NA	11.3	NA
3.A.1 - Enteric Fermentation	NA	159.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	3.8	0.4	NA	NA	NA	NA	NA	NA	NA	11.3	NA
3.B - Land	-113,047.8	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-122,816.5	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	12.8	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	38.0	7.0	NA	NA	NA	NA	NA	9.1	582.4	NA	NA
3.C.1 - Emissions from biomass burning	NA	38.0	1.1	NA	NA	NA	NA	NA	9.1	582.4	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	4.9E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-84.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-84.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.3	5.9	8.9E-02	NA	NA	NA	NA	NA	0.5	8.4	0.5	1.7E-02
4.A - Solid Waste Disposal	NA	3.6	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.3	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.4	0.2	1.7E-02

4.D - Wastewater Treatment and Discharge	NA	1.3	7.6E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	2,776.3	3.0	0.2	22.2	79.1	10.4	2.6
1.A - Fuel Combustion Activities	2,776.3	3.0	0.2	22.2	79.1	10.4	2.6
1.A.1 - Energy Industries	15.4	0.3	3.4E-02	0.7	0.8	6.3E-02	0.2
1.A.1.a - Main Activity Electricity and Heat Production	15.4	4.2E-04	1.7E-04	3.1E-02	2.4E-03	3.0E-04	0.1
1.A.1.a.i - Electricity Generation	15.4	4.2E-04	1.7E-04	3.1E-02	2.4E-03	3.0E-04	0.1
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.3	3.4E-02	0.7	0.8	6.3E-02	9.3E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.3	3.4E-02	0.7	0.8	6.3E-02	9.3E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	174.5	3.6E-02	5.1E-03	0.7	1.4	0.3	0.9
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	172.1	2.1E-02	3.2E-03	0.6	1.1	0.2	0.9
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.4	1.4E-02	1.9E-03	6.0E-02	0.3	0.1	6.7E-03
1.A.3 - Transport	2,215.6	0.5	0.1	14.3	45.2	4.7	2.3E-02
1.A.3.a - Civil Aviation	25.2	1.8E-04	7.1E-04	6.1E-02	4.2	6.7E-02	8.0E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	25.2	1.8E-04	7.1E-04	6.1E-02	4.2	6.7E-02	8.0E-03
1.A.3.b - Road Transportation	2,143.7	0.5	0.1	13.5	40.8	4.6	1.5E-02
1.A.3.b.i - Cars	451.0	0.2	2.1E-02	1.4	10.3	1.2	5.0E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	145.3	5.9E-02	6.8E-03	0.4	3.3	0.4	1.6E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	305.6	0.1	1.4E-02	0.9	7.0	0.8	3.4E-03
1.A.3.b.ii - Light-duty trucks	930.1	0.3	4.5E-02	4.1	28.3	2.8	8.1E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	697.6	0.2	3.4E-02	3.1	21.2	2.1	6.1E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	232.5	7.1E-02	1.1E-02	1.0	7.1	0.7	2.0E-03
1.A.3.b.iii - Heavy-duty trucks and buses	760.3	4.0E-02	4.0E-02	8.0	1.8	0.5	1.9E-03
1.A.3.b.iv - Motorcycles	2.3	1.1E-03	1.0E-04	4.9E-03	0.4	9.7E-02	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	46.7	2.5E-03	1.7E-02	0.8	0.2	7.0E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	319.0	2.2	3.0E-02	5.9	31.6	5.2	1.5
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	94.2	2.1	2.9E-02	0.6	28.9	4.3	7.9E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	224.8	3.0E-02	1.8E-03	5.3	2.7	0.9	1.4
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	224.8	3.0E-02	1.8E-03	5.3	2.7	0.9	1.4
1.A.5 - Non-Specified	51.9	3.1E-03	2.7E-03	0.5	0.2	3.5E-02	3.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	51.9	3.1E-03	2.7E-03	0.5	0.2	3.5E-02	3.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	51.9	3.1E-03	2.7E-03	0.5	0.2	3.5E-02	3.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	263.1	1.5E-02	7.1E-03	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	108.7	7.6E-04	3.0E-03	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	154.4	1.4E-02	4.1E-03	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,821.2	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	309.1	-	7.4E-03	94.7	-	-	-	-	-	-	2.3	-
2.A - Mineral Industry	286.4	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	270.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	16.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	22.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.D.1 - Lubricant Use	9.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	94.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	94.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	79.8	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	14.9	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.4E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	7.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	7.4E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	1.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-113,132.2	201.7	7.4	9.1	582.4	11.3
3.A - Livestock	NA	163.7	0.4	NA	NA	11.3
3.A.1 - Enteric Fermentation	NA	159.9	NA	NA	NA	NA
3.A.1.a - Cattle	NA	138.5	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.2	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	138.3	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	10.9	NA	NA	NA	NA
3.A.1.d - Goats	NA	8.5	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.3E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.7	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.2	NA	NA	NA	NA
3.A.1.h - Swine	NA	6.9E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	3.8	0.4	NA	NA	11.3
3.A.2.a - Cattle	NA	2.6	0.4	NA	NA	9.5
3.A.2.a.i - Dairy cows	NA	2.0E-03	1.8E-03	NA	NA	1.6E-02
3.A.2.a.ii - Other cattle	NA	2.6	0.4	NA	NA	9.5
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.4
3.A.2.d - Goats	NA	0.4	NA	NA	NA	0.9
3.A.2.e - Camels	NA	1.3E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	8.8E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.1	NA	NA	NA	0.2
3.A.2.h - Swine	NA	6.9E-02	3.6E-03	NA	NA	3.8E-02
3.A.2.i - Poultry	NA	2.0E-02	5.6E-04	NA	NA	7.1E-02
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-113,047.8	NA	NO	NO	NO	NO
3.B.1 - Forest land	-122,816.5	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-121,853.8	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-962.7	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-62.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-900.5	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	38.0	7.0	9.1	582.4	NO
3.C.1 - Emissions from biomass burning	-	38.0	1.1	9.1	582.4	NO
3.C.1.a - Biomass burning in forest lands	NA	37.9	1.1	8.9	580.3	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	7.6E-02	7.0E-03	0.1	2.2	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.4	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	4.9E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-84.7	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-84.7	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	2.3	5.9	8.9E-02	0.5	8.4	0.5	1.7E-02
4.A - Solid Waste Disposal	-	3.6	-	-	-	0.3	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.3	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.3	1.0	1.3E-02	0.5	8.4	0.2	1.7E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	2.3	1.0	1.3E-02	0.5	8.4	0.2	1.7E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.6E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.6	7.6E-02	NO	NO	8.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.7	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-110,044.4	210.5	7.7	94.7	NE	NE	NE	NE	31.7	669.8	24.5	2.6
1 - Energy	2,776.3	3.0	0.2	NA	NA	NA	NA	NA	22.2	79.1	10.4	2.6
1.A - Fuel Combustion Activities	2,776.3	3.0	0.2	NA	NA	NA	NA	NA	22.2	79.1	10.4	2.6
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	309.1	NO	1.5E-02	94.7	NE	NE	NE	NE	NO	NO	2.3	NO	NO
2.A - Mineral Industry	286.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	22.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	94.7	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.5E-02	NO	NE	NE	NO	NE	NA	NA	-	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	1.1	-	-
3 - Agriculture, Forestry, and Other Land Use	-113,132.2	201.7	7.4	NA	NA	NA	NA	NA	9.1	582.4	11.3	NO	NO
3.A - Livestock		163.7	0.4	NA	NA	NA	NA	NA	NA	NA	11.3	-	-
3.B - Land	-113,047.8		-	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	38.0	7.0	NA	NA	NA	NA	NA	9.1	582.4	NA	NA	NA
3.D - Other	-84.7	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO	NO
4 - Waste	2.3	5.9	8.9E-02	NA	NA	NA	NA	NA	0.5	8.4	0.5	1.7E-02	NO
4.A - Solid Waste Disposal	NA	3.6	NO	NA	NA	NA	NA	NA	NO	NO	0.3	NA	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
4.C - Incineration and Open Burning of Waste	2.3	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.4	0.2	1.7E-02	NO
4.D - Wastewater Treatment and Discharge	NA	1.3	7.6E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)													
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0	NO
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02	NO
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0	NO
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2014 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-106,748.5	243.1	8.7	100.7	NE	NE	NE	NE	39.2	951.5	26.6	2.9
1 - Energy	3,146.5	3.0	0.2	NA	NA	NA	NA	NA	25.3	85.0	11.1	2.8
1.A - Fuel Combustion Activities	3,146.5	3.0	0.2	NA	NA	NA	NA	NA	25.3	85.0	11.1	2.8
1.A.1 - Energy Industries	5.4	0.3	3.4E-02	NA	NA	NA	NA	NA	0.7	0.8	6.2E-02	0.1
1.A.2 - Manufacturing Industries and Construction	178.8	3.6E-02	5.1E-03	NA	NA	NA	NA	NA	0.7	1.4	0.3	0.9
1.A.3 - Transport	2,530.6	0.6	0.1	NA	NA	NA	NA	NA	16.3	51.2	5.4	2.5E-02
1.A.4 - Other Sectors	371.7	2.2	3.0E-02	NA	NA	NA	NA	NA	7.0	31.4	5.2	1.8
1.A.5 - Non-Specified	60.0	3.6E-03	3.2E-03	NA	NA	NA	NA	NA	0.6	0.2	4.0E-02	3.0E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	340.3	NO	1.5E-02	100.7	NE	NE	NE	NE	NO	NO	2.3	NO
2.A - Mineral Industry	319.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	303.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	16.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	20.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	11.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	100.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	100.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.5E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.5E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-110,237.6	234.0	8.3	NA	NA	NA	NA	NA	13.3	858.0	12.6	NO
3.A - Livestock	NA	178.0	0.5	NA	NA	NA	NA	NA	NA	NA	12.6	NA
3.A.1 - Enteric Fermentation	NA	173.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	4.2	0.5	NA	NA	NA	NA	NA	NA	NA	12.6	NA
3.B - Land	-110,138.0	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-119,906.7	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	12.8	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	56.0	7.9	NA	NA	NA	NA	NA	13.3	858.0	NA	NA
3.C.1 - Emissions from biomass burning	NA	56.0	1.7	NA	NA	NA	NA	NA	13.3	858.0	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.6E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-99.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-99.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.4	6.1	8.8E-02	NA	NA	NA	NA	NA	0.5	8.5	0.5	1.7E-02
4.A - Solid Waste Disposal	NA	3.8	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.5	0.2	1.7E-02

4.D - Wastewater Treatment and Discharge	NA	1.3	7.5E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	3,146.5	3.0	0.2	25.3	85.0	11.1	2.8
1.A - Fuel Combustion Activities	3,146.5	3.0	0.2	25.3	85.0	11.1	2.8
1.A.1 - Energy Industries	5.4	0.3	3.4E-02	0.7	0.8	6.2E-02	0.1
1.A.1.a - Main Activity Electricity and Heat Production	5.4	1.9E-04	4.7E-05	1.0E-02	1.0E-03	1.0E-04	3.6E-02
1.A.1.a.i - Electricity Generation	5.4	1.9E-04	4.7E-05	1.0E-02	1.0E-03	1.0E-04	3.6E-02
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.3	3.4E-02	0.7	0.8	6.2E-02	9.1E-02
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.3	3.4E-02	0.7	0.8	6.2E-02	9.1E-02
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	178.8	3.6E-02	5.1E-03	0.7	1.4	0.3	0.9
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	176.5	2.3E-02	3.4E-03	0.6	1.1	0.2	0.9
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.3	1.3E-02	1.7E-03	5.5E-02	0.2	0.1	6.2E-03
1.A.3 - Transport	2,530.6	0.6	0.1	16.3	51.2	5.4	2.5E-02
1.A.3.a - Civil Aviation	25.3	1.8E-04	7.1E-04	6.1E-02	4.2	6.8E-02	8.1E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	25.3	1.8E-04	7.1E-04	6.1E-02	4.2	6.8E-02	8.1E-03
1.A.3.b - Road Transportation	2,456.6	0.6	0.1	15.5	46.8	5.3	1.7E-02
1.A.3.b.i - Cars	516.0	0.2	2.4E-02	1.6	11.8	1.4	5.7E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	166.1	6.8E-02	7.8E-03	0.5	3.8	0.5	1.8E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	349.9	0.1	1.7E-02	1.1	8.0	1.0	3.9E-03
1.A.3.b.ii - Light-duty trucks	1,069.6	0.3	5.2E-02	4.8	32.5	3.2	9.3E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	802.2	0.2	3.9E-02	3.6	24.4	2.4	7.0E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	267.4	8.1E-02	1.3E-02	1.2	8.1	0.8	2.3E-03
1.A.3.b.iii - Heavy-duty trucks and buses	868.6	4.6E-02	4.6E-02	9.1	2.1	0.5	2.2E-03
1.A.3.b.iv - Motorcycles	2.4	1.1E-03	1.1E-04	5.1E-03	0.4	0.1	-
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	48.7	2.6E-03	1.8E-02	0.8	0.2	7.3E-02	1.0E-04
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	371.7	2.2	3.0E-02	7.0	31.4	5.2	1.8
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	100.1	2.1	2.8E-02	0.6	28.5	4.3	7.8E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	271.5	3.7E-02	2.2E-03	6.4	2.9	1.0	1.7
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	271.5	3.7E-02	2.2E-03	6.4	2.9	1.0	1.7
1.A.5 - Non-Specified	60.0	3.6E-03	3.2E-03	0.6	0.2	4.0E-02	3.0E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	60.0	3.6E-03	3.2E-03	0.6	0.2	4.0E-02	3.0E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	60.0	3.6E-03	3.2E-03	0.6	0.2	4.0E-02	3.0E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	263.1	1.5E-02	7.1E-03	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	108.7	7.6E-04	3.0E-03	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	154.4	1.4E-02	4.1E-03	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,791.3	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	340.3	-	7.6E-03	100.7	-	-	-	-	-	-	2.3	-
2.A - Mineral Industry	319.9	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	303.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	16.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	20.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	11.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	100.7	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	100.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	84.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	16.1	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.6E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	7.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	7.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	1.0	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.0	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-110,237.6	234.0	8.3	13.3	858.0	12.6
3.A - Livestock	NA	178.0	0.5	NA	NA	12.6
3.A.1 - Enteric Fermentation	NA	173.8	NA	NA	NA	NA
3.A.1.a - Cattle	NA	151.5	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.2	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	151.3	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	10.2	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.5	NA	NA	NA	NA
3.A.1.e - Camels	NA	2.5E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	1.0	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.6	NA	NA	NA	NA
3.A.1.h - Swine	NA	6.9E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	4.2	0.5	NA	NA	12.6
3.A.2.a - Cattle	NA	2.9	0.4	NA	NA	10.4
3.A.2.a.i - Dairy cows	NA	2.0E-03	1.8E-03	NA	NA	1.6E-02
3.A.2.a.ii - Other cattle	NA	2.9	0.4	NA	NA	10.4
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.3
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	1.4E-04	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	6.9E-02	3.6E-03	NA	NA	3.8E-02
3.A.2.i - Poultry	NA	0.1	2.9E-03	NA	NA	0.4
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-110,138.0	NA	NO	NO	NO	NO
3.B.1 - Forest land	-119,906.7	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-118,944.0	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-962.7	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-62.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-900.5	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.3	56.0	7.9	13.3	858.0	NO
3.C.1 - Emissions from biomass burning	-	56.0	1.7	13.3	858.0	NO
3.C.1.a - Biomass burning in forest lands	NA	55.9	1.6	13.2	854.9	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	0.1	1.0E-02	0.2	3.1	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.3	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.8	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	2.6E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-99.9	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-99.9	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	2.4	6.1	8.8E-02	0.5	8.5	0.5	1.7E-02
4.A - Solid Waste Disposal	-	3.8	-	-	-	0.4	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.4	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	0.5	8.5	0.2	1.7E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	2.4	1.0	1.3E-02	0.5	8.5	0.2	1.7E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.5E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.6	7.5E-02	NO	NO	8.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.7	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-106,748.5	243.1	8.7	100.7	NE	NE	NE	NE	39.2	951.5	26.6	2.9
1 - Energy	3,146.5	3.0	0.2	NA	NA	NA	NA	NA	25.3	85.0	11.1	2.8
1.A - Fuel Combustion Activities	3,146.5	3.0	0.2	NA	NA	NA	NA	NA	25.3	85.0	11.1	2.8
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	340.3	NO	1.5E-02	100.7	NE	NE	NE	NE	NO	NO	2.3	NO
2.A - Mineral Industry	319.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	20.4	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	100.7	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.5E-02	NO	NE	NE	NO	NE	NA	NA	-	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	1.0	-
3 - Agriculture, Forestry, and Other Land Use	-110,237.6	234.0	8.3	NA	NA	NA	NA	NA	13.3	858.0	12.6	NO
3.A - Livestock		178.0	0.5	NA	NA	NA	NA	NA	NA	NA	12.6	-
3.B - Land	-110,138.0		-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.3	56.0	7.9	NA	NA	NA	NA	NA	13.3	858.0	NA	NA
3.D - Other	-99.9	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.4	6.1	8.8E-02	NA	NA	NA	NA	NA	0.5	8.5	0.5	1.7E-02
4.A - Solid Waste Disposal	NA	3.8	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.5	0.2	1.7E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.5E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2015 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-108,491.2	228.8	8.3	113.2	NE	NE	NE	NE	39.5	799.8	26.5	3.0
1 - Energy	3,449.5	3.1	0.2	NA	NA	NA	NA	NA	28.0	86.4	11.3	3.0
1.A - Fuel Combustion Activities	3,449.5	3.1	0.2	NA	NA	NA	NA	NA	28.0	86.4	11.3	3.0
1.A.1 - Energy Industries	20.6	0.3	4.1E-02	NA	NA	NA	NA	NA	0.9	0.9	7.4E-02	0.3
1.A.2 - Manufacturing Industries and Construction	184.8	3.7E-02	5.2E-03	NA	NA	NA	NA	NA	0.7	1.4	0.4	0.9
1.A.3 - Transport	2,761.9	0.6	0.2	NA	NA	NA	NA	NA	18.4	52.6	5.6	2.6E-02
1.A.4 - Other Sectors	375.3	2.1	3.0E-02	NA	NA	NA	NA	NA	6.9	31.1	5.2	1.8
1.A.5 - Non-Specified	106.9	6.4E-03	5.6E-03	NA	NA	NA	NA	NA	1.1	0.3	7.1E-02	5.5E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	365.9	NO	1.2E-02	113.2	NE	NE	NE	NE	NO	NO	2.4	NO
2.A - Mineral Industry	347.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	330.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	17.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	9.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	113.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	113.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.2E-02	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	1.2E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-112,309.1	219.2	8.0	NA	NA	NA	NA	NA	11.0	704.9	12.2	NO
3.A - Livestock	NA	173.2	0.4	NA	NA	NA	NA	NA	NA	NA	12.2	NA
3.A.1 - Enteric Fermentation	NA	169.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	4.0	0.4	NA	NA	NA	NA	NA	NA	NA	12.2	NA
3.B - Land	-112,223.1	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-121,991.8	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	12.8	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.5	46.0	7.6	NA	NA	NA	NA	NA	11.0	704.9	NA	NA
3.C.1 - Emissions from biomass burning	NA	46.0	1.4	NA	NA	NA	NA	NA	11.0	704.9	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	6.0E-02	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-86.5	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-86.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.4	6.4	8.8E-02	NA	NA	NA	NA	NA	0.5	8.5	0.6	1.7E-02
4.A - Solid Waste Disposal	NA	4.0	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.5	0.2	1.7E-02

4.D - Wastewater Treatment and Discharge	NA	1.4	7.5E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOcs	SO2
1 - Energy	3,449.5	3.1	0.2	28.0	86.4	11.3	3.0
1.A - Fuel Combustion Activities	3,449.5	3.1	0.2	28.0	86.4	11.3	3.0
1.A.1 - Energy Industries	20.6	0.3	4.1E-02	0.9	0.9	7.4E-02	0.3
1.A.1.a - Main Activity Electricity and Heat Production	20.6	2.4E-04	3.2E-04	4.5E-02	2.0E-03	2.3E-04	0.2
1.A.1.a.i - Electricity Generation	20.6	2.4E-04	3.2E-04	4.5E-02	2.0E-03	2.3E-04	0.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.3	4.0E-02	0.8	0.9	7.4E-02	0.1
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.3	4.0E-02	0.8	0.9	7.4E-02	0.1
1.A.1.c.ii - Other Energy Industries	NO	-	-	NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	184.8	3.7E-02	5.2E-03	0.7	1.4	0.4	0.9
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	182.4	2.4E-02	3.5E-03	0.6	1.2	0.2	0.9
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.4	1.3E-02	1.7E-03	5.5E-02	0.2	0.1	6.2E-03
1.A.3 - Transport	2,761.9	0.6	0.2	18.4	52.6	5.6	2.6E-02
1.A.3.a - Civil Aviation	25.4	1.8E-04	7.2E-04	6.1E-02	4.3	6.8E-02	8.1E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	25.4	1.8E-04	7.2E-04	6.1E-02	4.3	6.8E-02	8.1E-03
1.A.3.b - Road Transportation	2,687.8	0.6	0.1	17.6	48.2	5.5	1.8E-02
1.A.3.b.i - Cars	567.3	0.2	2.7E-02	1.7	13.0	1.6	6.3E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	182.6	7.4E-02	8.6E-03	0.6	4.2	0.5	2.0E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	384.8	0.2	1.8E-02	1.2	8.8	1.1	4.3E-03
1.A.3.b.ii - Light-duty trucks	1,059.9	0.3	5.2E-02	4.7	32.3	3.2	9.3E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	795.0	0.2	3.9E-02	3.5	24.2	2.4	7.0E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	265.0	8.1E-02	1.3E-02	1.2	8.1	0.8	2.3E-03
1.A.3.b.iii - Heavy-duty trucks and buses	1,058.2	5.6E-02	5.6E-02	11.1	2.5	0.6	2.7E-03
1.A.3.b.iv - Motorcycles	2.4	1.1E-03	1.1E-04	5.2E-03	0.4	0.1	3.0E-05
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	48.7	2.6E-03	1.8E-02	0.8	0.2	7.3E-02	8.0E-05
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	375.3	2.1	3.0E-02	6.9	31.1	5.2	1.8
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	106.2	2.1	2.8E-02	0.6	28.1	4.2	7.7E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	269.1	3.6E-02	2.2E-03	6.4	3.0	1.0	1.7
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	269.1	3.6E-02	2.2E-03	6.4	3.0	1.0	1.7
1.A.5 - Non-Specified	106.9	6.4E-03	5.6E-03	1.1	0.3	7.1E-02	5.5E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	106.9	6.4E-03	5.6E-03	1.1	0.3	7.1E-02	5.5E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	106.9	6.4E-03	5.6E-03	1.1	0.3	7.1E-02	5.5E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	263.1	1.5E-02	7.1E-03	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	108.7	7.6E-04	3.0E-03	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	154.4	1.4E-02	4.1E-03	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	1,963.2	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	365.9	-	7.9E-03	113.2	-	-	-	-	-	-	2.4	-
2.A - Mineral Industry	347.6	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	330.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	17.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	18.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	9.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	113.2	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	113.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	89.5	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	23.7	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	7.9E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	7.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	7.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	1.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-112,309.1	219.2	8.0	11.0	704.9	12.2
3.A - Livestock	NA	173.2	0.4	NA	NA	12.2
3.A.1 - Enteric Fermentation	NA	169.2	NA	NA	NA	NA
3.A.1.a - Cattle	NA	147.6	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.2	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	147.4	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	9.9	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.3	NA	NA	NA	NA
3.A.1.e - Camels	NA	1.7E-03	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.8	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.5	NA	NA	NA	NA
3.A.1.h - Swine	NA	6.3E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	4.0	0.4	NA	NA	12.2
3.A.2.a - Cattle	NA	2.8	0.4	NA	NA	10.1
3.A.2.a.i - Dairy cows	NA	2.0E-03	1.8E-03	NA	NA	1.6E-02
3.A.2.a.ii - Other cattle	NA	2.8	0.4	NA	NA	10.1
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.4	NA	NA	NA	0.3
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	9.5E-05	NA	NA	NA	-
3.A.2.f - Horses	NA	0.1	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	6.3E-02	3.3E-03	NA	NA	3.5E-02
3.A.2.i - Poultry	NA	7.3E-02	2.1E-03	NA	NA	0.3
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-112,223.1	NA	NO	NO	NO	NO
3.B.1 - Forest land	-121,991.8	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-121,029.1	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-962.7	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-62.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-900.5	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	0.5	46.0	7.6	11.0	704.9	NO
3.C.1 - Emissions from biomass burning	-	46.0	1.4	11.0	704.9	NO
3.C.1.a - Biomass burning in forest lands	NA	45.9	1.4	10.8	702.4	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	8.7E-02	8.0E-03	0.1	2.5	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	0.5	NA	-	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	5.7	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	6.0E-02	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.4	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-86.5	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-86.5	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	2.4	6.4	8.8E-02	0.5	8.5	0.6	1.7E-02
4.A - Solid Waste Disposal	-	4.0	-	-	-	0.4	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.4	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	0.5	8.5	0.2	1.7E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	2.4	1.0	1.3E-02	0.5	8.5	0.2	1.7E-02
4.D - Wastewater Treatment and Discharge	NA	1.4	7.5E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.6	7.5E-02	NO	NO	8.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.8	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-108,491.2	228.8	8.3	113.2	NE	NE	NE	NE	39.5	799.8	26.5	3.0
1 - Energy	3,449.5	3.1	0.2	NA	NA	NA	NA	NA	28.0	86.4	11.3	3.0
1.A - Fuel Combustion Activities	3,449.5	3.1	0.2	NA	NA	NA	NA	NA	28.0	86.4	11.3	3.0
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	365.9	NO	1.2E-02	113.2	NE	NE	NE	NE	NO	NO	2.4	NO
2.A - Mineral Industry	347.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	18.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	113.2	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	1.2E-02	NO	NE	NE	NO	NE	NA	NA	-	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	1.1	-
3 - Agriculture, Forestry, and Other Land Use	-112,309.1	219.2	8.0	NA	NA	NA	NA	NA	11.0	704.9	12.2	NO
3.A - Livestock		173.2	0.4	NA	NA	NA	NA	NA	NA	NA	12.2	-
3.B - Land	-112,223.1		-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	0.5	46.0	7.6	NA	NA	NA	NA	NA	11.0	704.9	NA	NA
3.D - Other	-86.5	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.4	6.4	8.8E-02	NA	NA	NA	NA	NA	0.5	8.5	0.6	1.7E-02
4.A - Solid Waste Disposal	NA	4.0	NO	NA	NA	NA	NA	NA	NO	NO	0.4	NA
4.B - Biological Treatment of Solid Waste	NA	-	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.5	0.2	1.7E-02
4.D - Wastewater Treatment and Discharge	NA	1.4	7.5E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Inventory Year: 2016 - Long summary, short summary and sectoral tables

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-112,988.0	227.4	8.6	119.6	NE	NE	NE	NE	32.9	432.1	23.0	2.9
1 - Energy	3,649.2	3.1	0.2	NA	NA	NA	NA	NA	26.9	74.2	9.5	2.8
1.A - Fuel Combustion Activities	3,649.2	3.1	0.2	NA	NA	NA	NA	NA	26.9	74.2	9.5	2.8
1.A.1 - Energy Industries	86.9	0.3	4.4E-02	NA	NA	NA	NA	NA	4.5E-02	2.0E-03	2.3E-04	0.2
1.A.2 - Manufacturing Industries and Construction	192.5	8.3E-02	5.3E-03	NA	NA	NA	NA	NA	0.6	1.1	0.2	0.9
1.A.3 - Transport	2,852.7	0.6	0.2	NA	NA	NA	NA	NA	18.4	52.6	5.6	2.6E-02
1.A.4 - Other Sectors	379.7	2.1	3.0E-02	NA	NA	NA	NA	NA	6.7	20.1	3.6	1.7
1.A.5 - Non-Specified	137.4	8.2E-03	7.2E-03	NA	NA	NA	NA	NA	1.1	0.3	7.1E-02	5.5E-04
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	278.8	NO	8.2E-03	119.6	NE	NE	NE	NE	NO	NO	1.1	NO
2.A - Mineral Industry	262.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.1 - Cement production	262.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.5 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.10 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO	NO
2.C.4 - Magnesium production	NO	NA	NA	NA	NA	NO	NA	NO	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	16.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	-	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	NA
2.D.4 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.2 - TFT Flat Panel Display	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid	NA	NA	NA	NA	NO	NA	NA	NO	NA	NA	NA	NA
2.E.5 - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	119.6	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	119.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA

2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	8.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.H - Other	-	-	NO	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.3 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3 - Agriculture, Forestry, and Other Land Use	-116,918.4	217.7	8.3	NA	NA	NA	NA	NA	5.4	349.3	12.2	NO
3.A - Livestock	NA	194.9	0.5	NA	NA	NA	NA	NA	NA	NA	12.2	NA
3.A.1 - Enteric Fermentation	NA	190.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.A.2 - Manure Management	NA	4.5	0.5	NA	NA	NA	NA	NA	NA	NA	12.2	NA
3.B - Land	-116,829.3	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.1 - Forest land	-126,598.1	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.4 - Wetlands	NO	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.5 - Settlements	12.8	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.B.6 - Other Land	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	1.3	22.8	7.7	NA	NA	NA	NA	NA	5.4	349.3	NA	NA
3.C.1 - Emissions from biomass burning	NA	22.8	0.7	NA	NA	NA	NA	NA	5.4	349.3	NA	NA
3.C.2 - Liming	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.3 - Urea application	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils	NA	NA	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.7 - Rice cultivation	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.C.8 - Other (please specify)	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D - Other	-90.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-90.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.4	6.5	8.7E-02	NA	NA	NA	NA	NA	0.5	8.6	0.2	1.7E-02
4.A - Solid Waste Disposal	NA	4.2	NO	NA	NA	NA	NA	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.6	0.2	1.7E-02

4.D - Wastewater Treatment and Discharge	NA	1.3	7.4E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo Items (5)												
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
1 - Energy	3,649.2	3.1	0.2	26.9	74.2	9.5	2.8
1.A - Fuel Combustion Activities	3,649.2	3.1	0.2	26.9	74.2	9.5	2.8
1.A.1 - Energy Industries	86.9	0.3	4.4E-02	4.5E-02	2.0E-03	2.3E-04	0.2
1.A.1.a - Main Activity Electricity and Heat Production	86.9	9.5E-04	1.4E-03	4.5E-02	2.0E-03	2.3E-04	0.2
1.A.1.a.i - Electricity Generation	86.9	9.5E-04	1.4E-03	4.5E-02	2.0E-03	2.3E-04	0.2
1.A.1.a.ii - Combined Heat and Power Generation (CHP)	NO	NO	NO	NO	NO	NO	NO
1.A.1.a.iii - Heat Plants	NO	NO	NO	NO	NO	NO	NO
1.A.1.b - Petroleum Refining	NO	NO	NO	NO	NO	NO	NO
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	NO	0.3	4.3E-02	NO	NO	NO	NO
1.A.1.c.i - Manufacture of Solid Fuels	NO	0.3	4.3E-02	NO	NO	NO	NO
1.A.1.c.ii - Other Energy Industries	NO			NO	NO	NO	NO
1.A.2 - Manufacturing Industries and Construction	192.5	8.3E-02	5.3E-03	0.6	1.1	0.2	0.9
1.A.2.a - Iron and Steel	NO	NO	NO	NO	NO	NO	NO
1.A.2.b - Non-Ferrous Metals	NO	NO	NO	NO	NO	NO	NO
1.A.2.c - Chemicals	NO	NO	NO	NO	NO	NO	NO
1.A.2.d - Pulp, Paper and Print	NO	NO	NO	NO	NO	NO	NO
1.A.2.e - Food Processing, Beverages and Tobacco	EE	EE	EE	EE	EE	EE	EE
1.A.2.f - Non-Metallic Minerals	EE	EE	EE	EE	EE	EE	EE
1.A.2.g - Transport Equipment	NO	NO	NO	NO	NO	NO	NO
1.A.2.h - Machinery	NO	NO	NO	NO	NO	NO	NO

1.A.2.i - Mining (excluding fuels) and Quarrying	190.1	2.5E-02	3.7E-03	0.6	1.1	0.2	0.9
1.A.2.j - Wood and wood products	NO	NO	NO	NO	NO	NO	NO
1.A.2.k - Construction	EE	EE	EE	EE	EE	EE	EE
1.A.2.l - Textile and Leather	EE	EE	EE	EE	EE	EE	EE
1.A.2.m - Non-specified Industry	2.4	5.8E-02	1.7E-03	1.7E-02	2.4E-03	9.6E-04	1.6E-03
1.A.3 - Transport	2,852.7	0.6	0.2	18.4	52.6	5.6	2.6E-02
1.A.3.a - Civil Aviation	25.5	1.8E-04	7.2E-04	6.1E-02	4.3	6.8E-02	8.1E-03
1.A.3.a.i - International Aviation (International Bunkers) (1)	-	-	-	-	-	-	-
1.A.3.a.ii - Domestic Aviation	25.5	1.8E-04	7.2E-04	6.1E-02	4.3	6.8E-02	8.1E-03
1.A.3.b - Road Transportation	2,778.5	0.6	0.1	17.6	48.2	5.5	1.8E-02
1.A.3.b.i - Cars	593.9	0.2	2.8E-02	1.7	13.0	1.6	6.3E-03
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	191.1	7.8E-02	9.0E-03	0.6	4.2	0.5	2.0E-03
1.A.3.b.i.2 - Passenger cars without 3-way catalysts	402.9	0.2	1.9E-02	1.2	8.8	1.1	4.3E-03
1.A.3.b.ii - Light-duty trucks	1,090.7	0.3	5.3E-02	4.7	32.3	3.2	9.3E-03
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts	818.1	0.2	4.0E-02	3.5	24.2	2.4	7.0E-03
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts	272.7	8.3E-02	1.3E-02	1.2	8.1	0.8	2.3E-03
1.A.3.b.iii - Heavy-duty trucks and buses	1,091.6	5.7E-02	5.7E-02	11.1	2.5	0.6	2.7E-03
1.A.3.b.iv - Motorcycles	2.2	1.0E-03	1.0E-04	5.2E-03	0.4	0.1	3.0E-05
1.A.3.b.v - Evaporative emissions from vehicles	NO	NO	NO	NO	NO	NO	NO
1.A.3.b.vi - Urea-based catalysts	NO	NO	NO	NO	NO	NO	NO
1.A.3.c - Railways	48.7	2.6E-03	1.8E-02	0.8	0.2	7.3E-02	8.0E-05
1.A.3.d - Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	-	-	-	-	-	-	-
1.A.3.d.ii - Domestic Water-borne Navigation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e - Other Transportation	EE	EE	EE	EE	EE	EE	EE
1.A.3.e.i - Pipeline Transport	NO	NO	NO	NO	NO	NO	NO
1.A.3.e.ii - Off-road	EE	EE	EE	EE	EE	EE	EE
1.A.4 - Other Sectors	379.7	2.1	3.0E-02	6.7	20.1	3.6	1.7
1.A.4.a - Commercial/Institutional	EE	EE	EE	EE	EE	EE	EE
1.A.4.b - Residential	110.2	2.1	2.8E-02	0.4	17.1	2.6	4.7E-02
1.A.4.c - Agriculture/Forestry/Fishing/Fish Farms	269.5	3.7E-02	2.2E-03	6.4	3.0	1.0	1.7
1.A.4.c.i - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.ii - Off-road Vehicles and Other Machinery	EE	EE	EE	EE	EE	EE	EE
1.A.4.c.iii - Fishing (mobile combustion)	269.5	3.7E-02	2.2E-03	6.4	3.0	1.0	1.7
1.A.5 - Non-Specified	137.4	8.2E-03	7.2E-03	1.1	0.3	7.1E-02	5.5E-04
1.A.5.a - Stationary	EE	EE	EE	EE	EE	EE	EE
1.A.5.b - Mobile	137.4	8.2E-03	7.2E-03	1.1	0.3	7.1E-02	5.5E-04

1.A.5.b.i - Mobile (aviation component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.ii - Mobile (water-borne component)	EE	EE	EE	EE	EE	EE	EE
1.A.5.b.iii - Mobile (Other)	137.4	8.2E-03	7.2E-03	1.1	0.3	7.1E-02	5.5E-04
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
1.B - Fugitive emissions from fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1 - Solid Fuels	NO	NO	NO	NO	NO	NO	NO
1.B.1.a - Coal mining and handling	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i - Underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.3 - Abandoned underground mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.i.4 - Flaring of drained methane or conversion of methane to CO2	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii - Surface mines	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.1 - Mining	NO	NO	NA	NO	NO	NO	NO
1.B.1.a.ii.2 - Post-mining seam gas emissions	NO	NO	NA	NO	NO	NO	NO
1.B.1.b - Uncontrolled combustion and burning coal dumps	NO	NA	NA	NO	NO	NO	NO
1.B.1.c - Solid fuel transformation	NO	NO	NO	NO	NO	NO	NO
1.B.2 - Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.a - Oil	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.1 - Exploration	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.2 - Production and Upgrading	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.3 - Transport	NO	NO	NO	NO	NO	NO	NO
1.B.2.a.iii.4 - Refining	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.5 - Distribution of oil products	NO	NO	NA	NO	NO	NO	NO
1.B.2.a.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b - Natural Gas	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.i - Venting	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.ii - Flaring	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii - All Other	NO	NO	NO	NO	NO	NO	NO
1.B.2.b.iii.1 - Exploration	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.2 - Production	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.3 - Processing	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.4 - Transmission and Storage	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.5 - Distribution	NO	NO	NA	NO	NO	NO	NO
1.B.2.b.iii.6 - Other	NO	NO	NO	NO	NO	NO	NO
1.B.3 - Other emissions from Energy Production	NO	NO	NO	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.1 - Transport of CO2	NO	NA	NA	NA	NA	NA	NA
1.C.1.a - Pipelines	NO	NA	NA	NA	NA	NA	NA
1.C.1.b - Ships	NO	NA	NA	NA	NA	NA	NA
1.C.1.c - Other (please specify)	NO	NA	NA	NA	NA	NA	NA
1.C.2 - Injection and Storage	NO	NA	NA	NA	NA	NA	NA
1.C.2.a - Injection	NO	NA	NA	NA	NA	NA	NA
1.C.2.b - Storage	NO	NA	NA	NA	NA	NA	NA
1.C.3 - Other	NO	NA	NA	NA	NA	NA	NA

Categories	Emissions						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
Memo Items (3)							
International Bunkers	263.1	1.5E-02	7.1E-03	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers) (1)	108.7	7.6E-04	3.0E-03	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers) (1)	154.4	1.4E-02	4.1E-03	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations (1)(2)	-	-	-	-	-	-	-
Information Items	-	-	-	-	-	-	-
CO2 from Biomass Combustion for Energy Production	2,017.3	-	-	-	-	-	-

Categories	(Gg)			CO2 Equivalents(Gg)				(Gg)				
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)	Other halogenated gases without CO2 equivalent conversion factors (2)	NOx	CO	NMVOCs	SO2
2 - Industrial Processes and Product Use	278.8	-	8.2E-03	119.6	-	-	-	-	-	-	2.4	-
2.A - Mineral Industry	262.6	-	-	-	-	-	-	-	-	-	-	-
2.A.1 - Cement production	262.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.2 - Lime production	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.3 - Glass Production	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4 - Other Process Uses of Carbonates	-	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.a - Ceramics	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.b - Other Uses of Soda Ash	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.A.4.c - Non Metallurgical Magnesia Production	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.A.4.d - Other (please specify) (3)	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO

2.A.5 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.1 - Ammonia Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.2 - Nitric Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.3 - Adipic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production	NA	NA	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.5 - Carbide Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.6 - Titanium Dioxide Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.7 - Soda Ash Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8 - Petrochemical and Carbon Black Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.a - Methanol	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.b - Ethylene	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.c - Ethylene Dichloride and Vinyl Chloride Monomer	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.d - Ethylene Oxide	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.e - Acrylonitrile	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.8.f - Carbon Black	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9 - Fluorochemical Production	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.B.9.a - By-product emissions (4)	NA	NA	NA	NO	NA	NA	NA	NA	NO	NO	NO	NO
2.B.9.b - Fugitive Emissions (4)	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B.10 - Other (Please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C.1 - Iron and Steel Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.2 - Ferroalloys Production	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.3 - Aluminium production	NO	NA	NA	NA	NO	NA	NA	NA	NO	NO	NO	NO
2.C.4 - Magnesium production (5)	NO	NA	NA	NA	NA	NO	NA	NA	NO	NO	NO	NO
2.C.5 - Lead Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.6 - Zinc Production	NO	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.C.7 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use (6)	16.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	1.3	NO
2.D.1 - Lubricant Use	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.2 - Paraffin Wax Use	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.D.3 - Solvent Use (7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA
2.D.4 - Other (please specify) (3), (8)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.E.1 - Integrated Circuit or Semiconductor (9)	NA	NA	NA	NO	NO	NO	NO	NO	NA	NA	NA	NA

2.E.2 - TFT Flat Panel Display (9)	NA	NA	NA	NA	NO	NO	NO	NO	NA	NA	NA	NA
2.E.3 - Photovoltaics (9)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.4 - Heat Transfer Fluid (10)	NA	NA	NA	NA	NO	NA	NO	NO	NA	NA	NA	NA
2.E.5 - Other (please specify) (3)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	119.6	NE	NA	NA	NA	NA	NA	NA	NA
2.F.1 - Refrigeration and Air Conditioning	NA	NA	NA	119.6	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.a - Refrigeration and Stationary Air Conditioning	NA	NA	NA	96.2	NA	NA	NA	NA	NA	NA	NA	NA
2.F.1.b - Mobile Air Conditioning	NA	NA	NA	23.3	NA	NA	NA	NA	NA	NA	NA	NA
2.F.2 - Foam Blowing Agents	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA
2.F.3 - Fire Protection	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.4 - Aerosols	NA	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA
2.F.5 - Solvents	NA	NA	NA	NE	NE	NA	NA	NA	NA	NA	NA	NA
2.F.6 - Other Applications (please specify) (3)	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.G.1 - Electrical Equipment	NA	NA	NA	NA	NE	-	NA	NE	-	-	-	-
2.G.1.a - Manufacture of Electrical Equipment	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.1.b - Use of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.1.c - Disposal of Electrical Equipment	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2 - SF6 and PFCs from Other Product Uses	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.a - Military Applications	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.b - Accelerators	NA	NA	NA	NA	NE	NE	NA	NE	NA	NA	NA	NA
2.G.2.c - Other (please specify) (3)	NA	NA	NA	NA	NO	NO	NA	NO	NA	NA	NA	NA
2.G.3 - N2O from Product Uses	NA	NA	8.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.a - Medical Applications	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.b - Propellant for pressure and aerosol products	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.3.c - Other (Please specify) (3)	NA	NA	8.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.G.4 - Other (Please specify) (3)	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.H - Other	-	-	-	-	-	-	-	-	-	-	1.1	-
2.H.1 - Pulp and Paper Industry	NO	NO	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.H.2 - Food and Beverages Industry	-	-	NA	NA	NA	NA	NA	NA	-	-	1.1	-
2.H.3 - Other (please specify) (3)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

Categories		(Gg)
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	Net CO2 emissions / removals	Emissions				
		CH4	N2O	NOx	CO	NMVOCs
3 - Agriculture, Forestry, and Other Land Use	-116,918.4	217.7	8.3	5.4	349.3	12.2
3.A - Livestock	NA	194.9	0.5	NA	NA	12.2
3.A.1 - Enteric Fermentation	NA	190.5	NA	NA	NA	NA
3.A.1.a - Cattle	NA	169.6	NA	NA	NA	NA
3.A.1.a.i - Dairy Cows	NA	0.2	NA	NA	NA	NA
3.A.1.a.ii - Other Cattle	NA	169.4	NA	NA	NA	NA
3.A.1.b - Buffalo	NA	NO	NA	NA	NA	NA
3.A.1.c - Sheep	NA	8.7	NA	NA	NA	NA
3.A.1.d - Goats	NA	9.8	NA	NA	NA	NA
3.A.1.e - Camels	NA	5.5E-04	NA	NA	NA	NA
3.A.1.f - Horses	NA	0.7	NA	NA	NA	NA
3.A.1.g - Mules and Asses	NA	1.4	NA	NA	NA	NA
3.A.1.h - Swine	NA	8.3E-02	NA	NA	NA	NA
3.A.1.j - Other (please specify)	NA	-	NA	NA	NA	NA
3.A.2 - Manure Management (1)	NA	4.5	0.5	NA	NA	12.2
3.A.2.a - Cattle	NA	3.3	0.5	NA	NA	10.1
3.A.2.a.i - Dairy cows	NA	2.0E-03	1.8E-03	NA	NA	1.6E-02
3.A.2.a.ii - Other cattle	NA	3.3	0.5	NA	NA	10.1
3.A.2.b - Buffalo	NA	NO	NA	NA	NA	-
3.A.2.c - Sheep	NA	0.3	NA	NA	NA	0.3
3.A.2.d - Goats	NA	0.4	NA	NA	NA	1.0
3.A.2.e - Camels	NA	3.1E-05	NA	NA	NA	-
3.A.2.f - Horses	NA	8.9E-02	NA	NA	NA	0.2
3.A.2.g - Mules and Asses	NA	0.2	NA	NA	NA	0.2
3.A.2.h - Swine	NA	8.3E-02	4.4E-03	NA	NA	3.5E-02
3.A.2.i - Poultry	NA	8.4E-02	2.4E-03	NA	NA	0.3
3.A.2.j - Other (please specify)	NA	NA	NA	NA	NA	NA
3.B - Land	-116,829.3	NA	NO	NO	NO	NO
3.B.1 - Forest land	-126,598.1	NA	NO	NO	NO	NO
3.B.1.a - Forest land Remaining Forest land	-125,635.3	NA	NA	NO	NO	NO
3.B.1.b - Land Converted to Forest land	-962.7	NA	NA	NO	NO	NO
3.B.1.b.i - Cropland converted to Forest Land	-62.2	NA	NA	NO	NO	NO
3.B.1.b.ii - Grassland converted to Forest Land	-900.5	NA	NA	NO	NO	NO

3.B.1.b.iii - Wetlands converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.iv - Settlements converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.1.b.v - Other Land converted to Forest Land	NO	NA	NA	NO	NO	NO
3.B.2 - Cropland	NO	NA	NA	NO	NO	NO
3.B.2.a - Cropland Remaining Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b - Land Converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.i - Forest Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.ii - Grassland converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iii - Wetlands converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.iv - Settlements converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.2.b.v - Other Land converted to Cropland	NO	NA	NA	NO	NO	NO
3.B.3 - Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.a - Grassland Remaining Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b - Land Converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.i - Forest Land converted to Grassland	9,755.9	NA	NA	NO	NO	NO
3.B.3.b.ii - Cropland converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iii - Wetlands converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.iv - Settlements converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.3.b.v - Other Land converted to Grassland	NO	NA	NA	NO	NO	NO
3.B.4 - Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a - Wetlands Remaining Wetlands	NO	NO	NO	NO	NO	NO
3.B.4.a.i - Peatlands remaining peatlands	NO	NO	NO	NO	NO	NO
3.B.4.a.ii - Flooded land remaining flooded land	NA	NO	NO	NO	NO	NO
3.B.4.b - Land Converted to Wetlands	-	NO	NO	NO	NO	NO
3.B.4.b.i - Land converted for peat extraction	NA	NO	NO	NO	NO	NO
3.B.4.b.ii - Land converted to flooded land	NO	NO	NO	NO	NO	NO
3.B.4.b.iii - Land converted to other wetlands	NA	NO	NO	NO	NO	NO

3.B.5 - Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.a - Settlements Remaining Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b - Land Converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.i - Forest Land converted to Settlements	12.8	NA	NA	NO	NO	NO
3.B.5.b.ii - Cropland converted to Settlements	-	NA	NA	NO	NO	NO
3.B.5.b.iii - Grassland converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.iv - Wetlands converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.5.b.v - Other Land converted to Settlements	NO	NA	NA	NO	NO	NO
3.B.6 - Other Land	NO	NO	NO	NO	NO	NO
3.B.6.a - Other land Remaining Other land	NO	NO	NO	NO	NO	NO
3.B.6.b - Land Converted to Other land	NO	NO	NO	NO	NO	NO
3.B.6.b.i - Forest Land converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.ii - Cropland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iii - Grassland converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.iv - Wetlands converted to Other Land	NO	NO	NO	NO	NO	NO
3.B.6.b.v - Settlements converted to Other Land	NO	NO	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land (2)	1.3	22.8	7.7	5.4	349.3	NO
3.C.1 - Emissions from biomass burning	-	22.8	0.7	5.4	349.3	NO
3.C.1.a - Biomass burning in forest lands	NA	22.8	0.7	5.4	348.1	NO
3.C.1.b - Biomass burning in croplands	NA	NO	NO	NO	NO	NO
3.C.1.c - Biomass burning in grasslands	NA	4.2E-02	3.8E-03	7.1E-02	1.2	NO
3.C.1.d - Biomass burning in all other land	NA	NO	NO	NO	NO	NO
3.C.2 - Liming	NO	NA	NA	NA	NA	NA
3.C.3 - Urea application	1.3	NA	NA	NA	NA	NA
3.C.4 - Direct N2O Emissions from managed soils (3)	NA	NA	6.5	NA	NA	NA
3.C.5 - Indirect N2O Emissions from managed soils	NA	NA	0.1	NA	NA	NA
3.C.6 - Indirect N2O Emissions from manure management	NA	NA	0.5	NA	NA	NA
3.C.7 - Rice cultivations	NA	NO	NA	NA	NA	NA

3.C.8 - Other (please specify)	NE	NO	NO	NA	NA	NA
3.D - Other	-90.3	NO	NO	NO	NO	NO
3.D.1 - Harvested Wood Products	-90.3	NA	NA	NA	NA	NA
3.D.2 - Other (please specify)	NO	NO	NO	NO	NO	NO

Categories	Emissions [Gg]						
	CO2	CH4	N2O	NOx	CO	NMVOCs	SO2
4 - Waste	2.4	6.5	8.7E-02	0.5	8.6	0.6	1.7E-02
4.A - Solid Waste Disposal	-	4.2	-	-	-	0.4	-
4.A.1 - Managed Waste Disposal Sites	NA	-	NA	NO	NO	NO	NA
4.A.2 - Unmanaged Waste Disposal Sites	NA	-	NA	NO	NO	0.4	NA
4.A.3 - Uncategorised Waste Disposal Sites	NA	-	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	0.5	8.6	0.2	1.7E-02
4.C.1 - Waste Incineration	NE	NE	NE	NE	NE	NE	NE
4.C.2 - Open Burning of Waste	2.4	1.0	1.3E-02	0.5	8.6	0.2	1.7E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.4E-02	NO	NO	1.0E-06	-
4.D.1 - Domestic Wastewater Treatment and Discharge	NA	0.6	7.4E-02	NO	NO	8.0E-07	NA
4.D.2 - Industrial Wastewater Treatment and Discharge	NA	0.7	NA	NO	NO	2.0E-07	NA
4.E - Other (please specify)	NO	NO	NO	NO	NO	NO	NO

Categories	Emissions (Gg)			Emissions CO2 Equivalents (Gg)				Emissions (Gg)				
	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	CO	NMVOCs	SO2
Total National Emissions and Removals	-112,988.0	227.4	8.6	119.6	NE	NE	NE	NE	32.9	432.1	23.0	2.9
1 - Energy	3,649.2	3.1	0.2	NA	NA	NA	NA	NA	26.9	74.2	9.5	2.8
1.A - Fuel Combustion Activities	3,649.2	3.1	0.2	NA	NA	NA	NA	NA	26.9	74.2	9.5	2.8
1.B - Fugitive emissions from fuels	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO

1.C - Carbon dioxide Transport and Storage	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2 - Industrial Processes and Product Use	278.8	NO	8.2E-03	119.6	NE	NE	NE	NE	NO	NO	1.1	NO
2.A - Mineral Industry	262.6	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
2.B - Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.C - Metal Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2.D - Non-Energy Products from Fuels and Solvent Use	16.2	NO	NO	NA	NA	NA	NA	NA	NO	NO	-	NO
2.E - Electronics Industry	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA
2.F - Product Uses as Substitutes for Ozone Depleting Substances	NA	NA	NA	119.6	NE	NA	NA	NA	NA	NA	NA	NA
2.G - Other Product Manufacture and Use	NO	NO	8.2E-03	NO	NE	NE	NO	NE	NA	NA	NA	NA
2.H - Other	-	-	-	NA	NA	NA	NA	NA	-	-	1.1	-
3 - Agriculture, Forestry, and Other Land Use	-116,918.4	217.7	8.3	NA	NA	NA	NA	NA	5.4	349.3	12.2	NO
3.A - Livestock	NA	194.9	0.5	NA	NA	NA	NA	NA	NA	NA	12.2	NA
3.B - Land	-116,829.3	-	-	NA	NA	NA	NA	NA	NO	NO	NO	NO
3.C - Aggregate sources and non-CO2 emissions sources on land	1.3	22.8	7.7	NA	NA	NA	NA	NA	5.4	349.3	NA	NA
3.D - Other	-90.3	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NO
4 - Waste	2.4	6.5	8.7E-02	NA	NA	NA	NA	NA	0.5	8.6	0.2	1.7E-02
4.A - Solid Waste Disposal	NA	4.2	NO	NA	NA	NA	NA	NA	NO	NO	-	NA
4.B - Biological Treatment of Solid Waste	NA	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
4.C - Incineration and Open Burning of Waste	2.4	1.0	1.3E-02	NA	NA	NA	NA	NA	0.5	8.6	0.2	1.7E-02
4.D - Wastewater Treatment and Discharge	NA	1.3	7.4E-02	NA	NA	NA	NA	NA	NO	NO	1.0E-06	NA
4.E - Other (please specify)	NO	NO	NO	NA	NA	NA	NA	NA	NO	NO	NO	NA
5 - Other	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3	NA	NA	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.B - Other (please specify)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	-	-	-	-	-	-	-	-	-	-	-	-
Memo Items (5)	-	-	-	-	-	-	-	-	-	-	-	-
International Bunkers	263.1	1.5E-02	7.1E-03	NA	NA	NA	NA	NA	4.3	0.8	0.3	1.0
1.A.3.a.i - International Aviation (International Bunkers)	108.7	7.6E-04	3.0E-03	NA	NA	NA	NA	NA	0.4	3.8E-02	1.7E-02	3.5E-02
1.A.3.d.i - International water-borne navigation (International bunkers)	154.4	1.4E-02	4.1E-03	NA	NA	NA	NA	NA	3.8	0.8	0.3	1.0
1.A.5.c - Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Base year for assessment of uncertainty in trend: 1990, Year T: 2016

A	B	C	D	E	F	G	H	I	J	K	L	M
2006 IPCC Categories	Gas	Base Year emissions or removals (Gg CO2 equivalent)	Year T emissions or removals (Gg CO2 equivalent)	Activity Data Uncertainty (%)	Emission Factor Uncertainty (%)	Combined Uncertainty (%)	Contribution to Variance by Category in Year T	Type A Sensitivity (%)	Type B Sensitivity (%)	Uncertainty in trend in national emissions introduced by emission factor uncertainty (%)	Uncertainty in trend in national emissions introduced by activity data uncertainty (%)	Uncertainty introduced into the trend in total national emissions (%)
1.A - Fuel Combustion Activities												
1.A.1.a.i - Electricity Generation - Liquid Fuels	CO2	0.6635502	0.9649458	0.2	7	7.00285656	4.29198E-09	4.1301E-07	1.40057E-05	2.89107E-06	3.96141E-06	2.4051E-11
1.A.1.a.i - Electricity Generation - Liquid Fuels	CH4	0.000540099	0.000785421	0.2	75	75.00026667	3.26161E-13	3.36165E-10	1.14E-08	2.52124E-08	3.2244E-09	6.4606E-16
1.A.1.a.i - Electricity Generation - Liquid Fuels	N2O	0.001594578	0.002318862	0.2	297	297.0000673	4.45825E-11	9.92515E-10	3.36571E-08	2.94777E-07	9.51966E-09	8.6984E-14
1.A.1.a.i - Electricity Generation - Solid Fuels	CO2	20.74578	85.9021922	5	7	8.602325267	5.13265E-05	0.00079603	0.001246825	0.00557221	0.008816387	0.000108778
1.A.1.a.i - Electricity Generation - Solid Fuels	CH4	0.0046053	0.019069197	5	75	75.16648189	1.93114E-10	1.76708E-07	2.76779E-07	1.32531E-05	1.95713E-06	1.79475E-10
1.A.1.a.i - Electricity Generation - Solid Fuels	N2O	0.1019745	0.422246505	5	297	297.0420846	1.47866E-06	3.91282E-06	6.12869E-06	0.001162108	4.33364E-05	1.35237E-06
1.A.1.c.i - Manufacture of Solid Fuels - Biomass	CO2	524.16	1194.115106	5	18.6941667	19.35127561	0.05018951	0.005942611	0.017331957	0.111092166	0.122555445	0.027361307
1.A.1.c.i - Manufacture of Solid Fuels - Biomass	CH4	2.9484	6.71689747	5	245.454545	245.5054661	0.0002556	3.34247E-05	9.74923E-05	0.008204235	0.000689374	6.77847E-05
1.A.1.c.i - Manufacture of Solid Fuels - Biomass	N2O	5.8032	13.2205601	5	304.545455	304.5864966	0.001524131	6.57882E-05	0.00019189	0.020035511	0.001356864	0.000403263
1.A.2.i - Mining (excluding fuels) and Quarrying - Liquid Fuels	CO2	26.224857	68.28318706	12.5	7	14.32654878	8.99523E-05	0.00042124	0.000991095	0.002948681	0.017520247	0.000315654
1.A.2.i - Mining (excluding fuels) and Quarrying - Liquid Fuels	CH4	0.02265291	0.058539361	12.5	75	76.03453163	1.86217E-09	3.57429E-07	8.49668E-07	2.68072E-05	1.50202E-05	9.4423E-10
1.A.2.i - Mining (excluding fuels) and Quarrying - Liquid Fuels	N2O	0.06688002	0.172830493	12.5	297	297.2629308	2.48098E-07	1.05527E-06	2.50854E-06	0.000313414	4.43452E-05	1.00195E-07
1.A.2.i - Mining (excluding fuels) and Quarrying - Solid Fuels	CO2	70.5036772	91.30792	6.5	7	9.552486587	7.15074E-05	0.000206734	0.001325287	0.001447135	0.012182551	0.000150509
1.A.2.i - Mining (excluding fuels) and Quarrying - Solid Fuels	CH4	0.15650922	0.202692	6.5	75	75.28113974	2.1885E-08	4.58917E-07	2.94197E-06	3.44188E-05	2.70437E-05	1.91602E-09
1.A.2.i - Mining (excluding fuels) and Quarrying - Solid Fuels	N2O	0.34655613	0.448818	6.5	297	297.0711194	1.67095E-06	1.01617E-06	6.51436E-06	0.000301804	5.98825E-05	9.46715E-08
1.A.2.i - Mining (excluding fuels) and Quarrying - Other Fossil Fuels	CO2	1.2587076	30.4760876	6.5	7	9.552486587	7.96623E-06	0.000414993	0.000442344	0.002904953	0.004066202	2.49728E-05
1.A.2.i - Mining (excluding fuels) and Quarrying - Other Fossil Fuels	CH4	0.01081836	0.26193636	6.5	75	75.28113974	3.65481E-08	3.56679E-06	3.80187E-06	0.000267509	3.49483E-05	7.27826E-08
1.A.2.i - Mining (excluding fuels) and Quarrying - Other Fossil Fuels	N2O	0.02129328	0.51555728	6.5	297	297.0711194	2.20483E-06	7.02035E-06	7.48304E-06	0.002085044	6.87871E-05	4.35214E-06
1.A.2.m - Non-specified Industry - Liquid Fuels	CO2	1.10013	2.4374079	12.5	7	14.32654878	1.14615E-07	1.14723E-05	3.53777E-05	8.03061E-05	0.000625395	3.97568E-07
1.A.2.m - Non-specified Industry - Liquid Fuels	CH4	0.0009639	0.002123037	12.5	75	76.03453163	2.44928E-12	9.86959E-09	3.08148E-08	7.4022E-07	5.44733E-07	8.4466E-13
1.A.2.m - Non-specified Industry - Liquid Fuels	N2O	0.0028458	0.006268014	12.5	297	297.2629308	3.26319E-10	2.91388E-08	9.0977E-08	8.65422E-06	1.60826E-06	7.7482E-11
1.A.2.m - Non-specified Industry - Biomass	CO2	0	46.3834672	5	18.6941667	19.35127561	7.57263E-05	0.000673232	0.000673232	0.012585508	0.004760468	0.000181057
1.A.2.m - Non-specified Industry - Biomass	CH4	0	1.218325668	5	245.454545	245.5054661	8.40912E-06	1.76834E-05	1.76834E-05	0.004340461	0.00012504	1.88552E-05
1.A.2.m - Non-specified Industry - Biomass	N2O	0	0.513531244	5	281.818182	281.8625332	1.96929E-06	7.45364E-06	7.45364E-06	0.002100571	5.27052E-05	4.41518E-06
1.A.3.a.i - International Aviation (International Bunkers) - Liquid Fuels	CO2	62.904985	108.6983192	4	5	6.403124237	4.55335E-05	0.0002108	0.001577699	0.001053999	0.008924815	8.07632E-05
1.A.3.a.i - International Aviation (International Bunkers) - Liquid Fuels	CH4	0.009237795	0.01596269	4	79	79.101201	1.49858E-10	3.09563E-08	2.3169E-07	2.44555E-06	1.31064E-06	7.69849E-12
1.A.3.a.i - International Aviation (International Bunkers) - Liquid Fuels	N2O	0.5454698	0.942558852	4	110	110.0727032	1.01176E-06	1.8279E-06	1.36807E-05	0.000201069	7.739E-05	4.64179E-08
1.A.3.a.ii - Domestic Aviation - Liquid Fuels	CO2	12.0351	25.54622582	4	5	6.403124237	2.515E-06	0.000109272	0.00037079	0.000546361	0.002097506	4.69804E-06
1.A.3.a.ii - Domestic Aviation - Liquid Fuels	CH4	0.00179235	0.003786746	4	79	79.101201	8.43335E-12	1.60155E-08	5.49626E-08	1.26523E-06	3.10916E-07	1.69747E-12
1.A.3.a.ii - Domestic Aviation - Liquid Fuels	N2O	0.105834	0.223598342	4	110	110.0727032	5.69374E-08	9.45681E-07	3.24541E-06	0.000104025	1.83588E-05	1.11582E-08
1.A.3.b.i.1 - Passenger cars with 3-way catalysts - Liquid Fuels	CO2	53.8531503	191.0691631	5	3.5	6.103277808	0.000127823	0.001603073	0.002773269	0.005610756	0.019609974	0.000416032
1.A.3.b.i.1 - Passenger cars with 3-way catalysts - Liquid Fuels	CH4	0.500670822	1.630129238	5	9.62	10.84178952	2.93594E-08	1.27811E-05	2.36605E-05	0.000122954	0.000167305	4.31086E-08
1.A.3.b.i.1 - Passenger cars with 3-way catalysts - Liquid Fuels	N2O	0.779403147	2.781871924	5	12	13	1.22931E-07	2.34413E-05	4.03774E-05	0.000281295	0.000285511	1.60644E-07
1.A.3.b.i.2 - Passenger cars without 3-way catalysts - Liquid Fuels	CO2	114.4372236	402.8508975	5	3.5	6.103277808	0.00056822	0.003360549	0.00584717	0.011761921	0.041345739	0.001847813
1.A.3.b.i.2 - Passenger cars without 3-way catalysts - Liquid Fuels	CH4	1.063918535	3.398591946	5	9.62	10.84178952	1.27615E-07	2.62102E-05	4.93288E-05	0.000252143	0.000348807	1.85242E-07
1.A.3.b.i.2 - Passenger cars without 3-way catalysts - Liquid Fuels	N2O	1.656221314	5.908363315	5	12	13	5.54527E-07	4.97678E-05	8.57568E-05	0.000597213	0.000606392	7.24375E-07
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts - Liquid Fuels	CO2	205.2476211	818.0547792	5	3.5	6.103277808	0.002343109	0.007413906	0.011873638	0.025948671	0.0839593	0.007722497
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts - Liquid Fuels	CH4	1.847172493	5.23128884	5	9.62	10.84178952	3.02357E-07	3.57911E-05	7.59294E-05	0.00034431	0.000536902	4.06813E-07
1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts - Liquid Fuels	N2O	2.984223339	12.37365583	5	12	13	2.43212E-06	0.000114751	0.000179597	0.001377014	0.001269944	3.50892E-06
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts - Liquid Fuels	CO2	68.415849	272.684928	5	3.5	6.103277808	0.000260345	0.002471253	0.003957879	0.008649387	0.027986433	0.000858052
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts - Liquid Fuels	CH4	0.615724137	1.743762743	5	9.62	10.84178952	3.35953E-08	1.19304E-05	2.53098E-05	0.00011477	0.000178967	4.52015E-08
1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts - Liquid Fuels	N2O	0.99474071	4.124552015	5	12	13	2.70235E-07	3.82504E-05	5.98657E-05	0.000459005	0.000423315	3.8988E-07
1.A.3.b.iii - Heavy-duty trucks and buses - Liquid Fuels	CO2	83.9337369	1091.630826	5	3.5	6.103277808	0.004172336	0.014020774	0.015844451	0.049072709	0.112037191	0.014960463

1.A.3.b.iii - Heavy-duty trucks and buses - Liquid Fuels	CH4	0.092768867	1.206539334	5	9.62	10.84178952	1.60837E-08	1.54965E-05	1.75123E-05	0.000149076	0.000123831	3.75576E-08
1.A.3.b.iii - Heavy-duty trucks and buses - Liquid Fuels	N2O	1.369445181	17.81081874	5	12	13	5.03913E-06	0.000228757	0.000258515	0.002745087	0.001827975	1.0877E-05
1.A.3.b.iv - Motorcycles - Liquid Fuels	CO2	0.68912472	2.223897915	5	3.5	6.103277808	1.73164E-08	1.73043E-05	3.22787E-05	6.0565E-05	0.000228245	5.57639E-08
1.A.3.b.iv - Motorcycles - Liquid Fuels	CH4	0.00681912	0.022006215	5	9.62	10.84178952	5.3505E-12	1.71232E-07	3.19409E-07	1.64725E-06	2.25856E-06	7.81453E-12
1.A.3.b.iv - Motorcycles - Liquid Fuels	N2O	0.00976128	0.03150096	5	12	13	1.57629E-11	2.45111E-07	4.5722E-07	2.94133E-06	3.23303E-06	1.91039E-11
1.A.3.c - Railways - Liquid Fuels	CO2	30.21057	48.6867672	5	1.5	5.220153254	6.07141E-06	5.0199E-05	0.000706663	7.52985E-05	0.004996862	2.49743E-05
1.A.3.c - Railways - Liquid Fuels	CH4	0.035531055	0.05481979	5	250	250.049995	1.76616E-08	2.36043E-08	7.95681E-07	5.90107E-06	5.62631E-06	6.6478E-11
1.A.3.c - Railways - Liquid Fuels	N2O	3.6146682	5.576962248	5	125	125.09996	4.57521E-05	2.40133E-06	8.09467E-05	0.000300166	0.00057238	4.17718E-07
1.A.3.d.i - International water-borne navigation (International bunkers) -	CO2	144.240579	154.4141743	10	3	10.44030651	0.000244288	0.000893071	0.002241241	0.002679212	0.031695936	0.001011811
1.A.3.d.i - International water-borne navigation (International bunkers) -	CH4	0.28253988	0.298833948	10	50	50.99019514	2.1824E-08	1.80207E-06	4.33742E-06	9.01033E-05	6.13404E-05	1.18812E-08
1.A.3.d.i - International water-borne navigation (International bunkers) -	N2O	1.1916648	1.26038808	10	90	90.55385138	1.2244E-06	7.60055E-06	1.82939E-05	0.00068405	0.000258714	5.34857E-07
1.A.4.b - Residential - Liquid Fuels	CO2	100.49753	110.18034	50	1.5	50.02249494	0.002855225	0.000584572	0.00159921	0.000876857	0.113081231	0.012788134
1.A.4.b - Residential - Liquid Fuels	CH4	0.2708265	0.2718765	50	50	70.71067812	3.47388E-08	1.93881E-06	3.94615E-06	9.69406E-05	0.000279035	8.72578E-08
1.A.4.b - Residential - Liquid Fuels	N2O	0.2252119	0.2048511	50	90	102.9563014	4.18104E-08	1.92046E-06	2.97331E-06	0.000172842	0.000210245	7.4077E-08
1.A.4.b - Residential - Biomass	CO2	691.2976364	776.7888327	20	7	21.1896201	0.025465585	0.003747327	0.011274684	0.026231291	0.31889623	0.102382886
1.A.4.b - Residential - Biomass	CH4	38.26599205	43.07487184	20	100	101.9803903	0.001813772	0.000206297	0.000625209	0.020629737	0.017683589	0.000738295
1.A.4.b - Residential - Biomass	N2O	7.379302403	8.325812076	20	500	500.3998401	0.001631507	3.95047E-05	0.000120845	0.019752335	0.003418008	0.000401838
1.A.4.c.iii - Fishing (mobile combustion) - Liquid Fuels	CO2	246.5811	269.5499175	20	3	20.22374842	0.002793207	0.001445789	0.003912376	0.004337368	0.110658713	0.012264164
1.A.4.c.iii - Fishing (mobile combustion) - Liquid Fuels	CH4	0.699678	0.76651575	20	50	53.85164807	1.60155E-07	4.07816E-06	1.11256E-05	0.000203908	0.000314679	1.40601E-07
1.A.4.c.iii - Fishing (mobile combustion) - Liquid Fuels	N2O	0.6197148	0.67891395	20	90	92.19544457	3.68256E-07	3.61209E-06	9.85408E-06	0.000325088	0.000278716	1.83364E-07
1.A.5.b.iii - Mobile (Other) - Liquid Fuels	CO2	7.761975	137.350884	5	3.5	6.103277808	6.60527E-05	0.001824914	0.001993576	0.006387198	0.014096714	0.000239514
1.A.5.b.iii - Mobile (Other) - Liquid Fuels	CH4	0.008579025	0.172094769	5	9.62	10.84178952	3.27219E-10	2.31145E-06	2.49787E-06	2.22361E-05	1.76626E-05	8.06412E-10
1.A.5.b.iii - Mobile (Other) - Liquid Fuels	N2O	0.12664275	2.23642401	5	12	13	7.94505E-08	2.97086E-05	3.24605E-05	0.000356504	0.000229531	1.79779E-07
2.A - Mineral Industry												
2.A.1 - Cement production	CO2	0	262.62444	35	70	78.26237921	0.039707976	0.003811857	0.003811857	0.266829964	0.188677277	0.106797345
2.A.2 - Lime production	CO2	2.2350174	0	5	2	5.385164807	0	4.85661E-05	0	9.71322E-05	0	9.43466E-09
2.D - Non-Energy Products from Fuels and Solvent Use												
2.D.1 - Lubricant Use	CO2	0.503066667	9.064	15	50	52.20153254	2.1043E-05	0.000120628	0.000131559	0.006031389	0.002790793	4.41662E-05
2.D.2 - Paraffin Wax Use	CO2	17.688	7.157333333	15	100	101.1187421	4.92342E-05	0.000280469	0.000103885	0.02804693	0.002203733	0.000791487
2.F - Product Uses as Substitutes for Ozone Depleting Substances												
2.F.1.a - Refrigeration and Stationary Air Conditioning	CH2F2	0	7.946556052	5	5	7.071067812	2.96776E-07	0.00011534	0.00011534	0.000576701	0.000815578	9.97751E-07
2.F.1.a - Refrigeration and Stationary Air Conditioning	CHF2C	0	53.52898871	5	5	7.071067812	1.34663E-05	0.000776945	0.000776945	0.003884727	0.005493833	4.52733E-05
2.F.1.a - Refrigeration and Stationary Air Conditioning	CH2FC	0	2.649259074	5	0	5	1.64926E-08	3.84526E-05	3.84526E-05	0	0.000271901	7.39302E-08
2.F.1.a - Refrigeration and Stationary Air Conditioning	CF3CH	0	32.07959613	5	5	7.071067812	4.83648E-06	0.000465619	0.000465619	0.002328093	0.003292421	1.62601E-05
2.F.1.b - Mobile Air Conditioning	CH2FC	0	23.34625996	5	5	7.071067812	2.56157E-06	0.000338859	0.000338859	0.001694294	0.002396093	8.6119E-06
2.G.3.c - Other (Please specify)	N2O	0.802725206	2.532727055	50	5	50.24937811	1.52244E-06	1.93183E-05	3.67612E-05	9.65915E-05	0.00259941	6.76626E-06
2.H - Other												
3.A - Livestock												
3.A.1.a.i - Dairy Cows	CH4	2.8873215	3.849762	20	20	28.28427125	1.11445E-06	6.86312E-06	5.58773E-05	0.000137262	0.001580448	2.51666E-06
3.A.1.a.ii - Other Cattle	CH4	2296.10749	3558.110393	20	20	28.28427125	0.951985201	0.001751153	0.051644115	0.035023059	1.460716147	2.134918276
3.A.1.c - Sheep	CH4	349.47318	183.39741	20	30	36.05551275	0.004109899	0.004932252	0.002661918	0.147967568	0.075290401	0.027563046
3.A.1.d - Goats	CH4	195.27354	206.693865	20	30	36.05551275	0.005220353	0.001243202	0.003000054	0.037296051	0.084854328	0.008591252
3.A.1.e - Camels	CH4	0	0.011592	20	30	36.05551275	1.64196E-11	1.68252E-07	1.68252E-07	5.04755E-06	4.75888E-06	4.81248E-11
3.A.1.f - Horses	CH4	19.676412	15.387624	20	30	36.05551275	2.89326E-05	0.000204218	0.000223343	0.006126547	0.006317103	7.74404E-05
3.A.1.g - Mules and Asses	CH4	14.28	30.37587	20	30	36.05551275	0.000112746	0.000130591	0.00044089	0.003917735	0.012470249	0.000170856
3.A.1.h - Swine	CH4	0.375165	1.747011	20	30	36.05551275	3.72937E-07	1.72048E-05	2.5357E-05	0.000516143	0.000717203	7.80783E-07
3.A.2.a.i - Dairy cows	CH4	0.0315	0.042	20	30	36.05551275	2.15548E-10	7.4875E-08	6.09608E-07	2.24625E-06	1.72423E-05	3.02343E-10
3.A.2.a.i - Dairy cows	N2O	0.420069375	0.5600925	20	30	36.05551275	3.83322E-08	9.98498E-07	8.12945E-06	2.99549E-05	0.000229936	5.37677E-08
3.A.2.a.ii - Other cattle	CH4	43.817571	68.284902	20	30	36.05551275	0.000569763	3.89807E-05	0.00099112	0.001169422	0.028033098	0.000787222
3.A.2.a.ii - Other cattle	N2O	100.2155839	155.618776	20	30	36.05551275	0.002959162	8.10798E-05	0.002258725	0.002432394	0.063886399	0.004087388
3.A.2.c - Sheep	CH4	10.4841954	7.3358964	20	30	36.05551275	6.57584E-06	0.000121341	0.000106477	0.003640232	0.003011616	2.23211E-05
3.A.2.d - Goats	CH4	6.63930036	9.09453006	20	30	36.05551275	1.01066E-05	1.22671E-05	0.000132002	0.000368014	0.00373359	1.40751E-05

3.A.2.e - Camels	CH4	0	0.00064512	20	30	36.05551275	5.08541E-14	9.36358E-09	9.36358E-09	2.80907E-07	2.64842E-07	1.4905E-13
3.A.2.f - Horses	CH4	1.79273976	1.87216092	20	30	36.05551275	4.28283E-07	1.17821E-05	2.71734E-05	0.000353464	0.000768581	7.15653E-07
3.A.2.g - Mules and Asses	CH4	1.2852	3.6451044	20	30	36.05551275	1.62355E-06	2.49799E-05	5.29068E-05	0.000749396	0.00149643	2.8009E-06
3.A.2.h - Swine	CH4	0.375165	1.747011	20	30	36.05551275	3.72937E-07	1.72048E-05	2.5357E-05	0.000516143	0.000717203	7.80783E-07
3.A.2.i - Poultry	CH4	0.21346164	1.75529466	20	30	36.05551275	3.76482E-07	2.08387E-05	2.54772E-05	0.000625162	0.000720604	9.10098E-07
3.B - Land												
3.B.1.a - Forest land Remaining Forest land	CO2	-88401.30178	-125635.3389	20	10	22.36067977	741.8139728	0.096161578	1.82353135	0.961615776	51.57725533	2661.137972
3.B.1.b.i - Cropland converted to Forest Land	CO2	-250.241064	-62.19340806	20	10	22.36067977	0.000181786	0.004534774	0.000902705	0.045347739	0.025532349	0.002708318
3.B.1.b.ii - Grassland converted to Forest Land	CO2	-1369.617126	-900.5176963	20	10	22.36067977	0.038111486	0.016687399	0.013070544	0.166873994	0.369690817	0.16451823
3.B.3.b.i - Forest Land converted to Grassland	CO2	8671.945333	9755.9385	20	10	22.36067977	4.473109048	0.046894757	0.141602354	0.468947568	4.005119381	16.26089308
3.B.5.b.i - Forest Land converted to Settlements	CO2	55.4527875	12.770945	20	10	22.36067977	7.66509E-06	0.001019613	0.000185364	0.010196127	0.005242874	0.000131449
3.C - Aggregate sources and non-CO2 emissions sources on land												
3.C.6 - Indirect N2O Emissions from manure management	N2O	91.33969966	145.0606959	20	20	28.28427125	0.001582307	0.000120705	0.00210548	0.002414096	0.059551975	0.003552266
3.D - Other												
3.D.1 - Harvested Wood Products	CO2	0	-90.34748124	0	0	0	0	0.001311347	0.001311347	0	0	0
4.A - Solid Waste Disposal												
4.A - Solid Waste Disposal	CH4	9.242762349	89.00858079	0	0	0	0	0.001091073	0.001291913	0	0	0
4.B - Biological Treatment of Solid Waste												
4.C - Incineration and Open Burning of Waste												
4.C.2 - Open Burning of Waste	CO2	0.828253229	2.421649887	40	100	107.7032961	6.39414E-06	1.71514E-05	3.5149E-05	0.001715136	0.001988327	6.89513E-06
4.C.2 - Open Burning of Waste	CH4	7.28637535	21.30393148	40	100	107.7032961	0.000494856	0.000150885	0.000309215	0.015088543	0.017491867	0.00053363
4.C.2 - Open Burning of Waste	N2O	1.414837939	4.136708454	40	100	107.7032961	1.86582E-05	2.92983E-05	6.00422E-05	0.002929828	0.003396498	2.01201E-05
4.D - Wastewater Treatment and Discharge												
4.D.1 - Domestic Wastewater Treatment and Discharge	CH4	4.406965246	13.02792768	20	0	20	6.38134E-06	9.33319E-05	0.000189094	0	0.005348374	2.86051E-05
4.D.1 - Domestic Wastewater Treatment and Discharge	N2O	20.50611081	22.92795992	20	25	32.01562119	5.06473E-05	0.000112803	0.000332787	0.002820075	0.009412648	9.65508E-05
4.D.2 - Industrial Wastewater Treatment and Discharge	CH4	28.88629585	13.84427363	0	0	0	0	0.000426748	0.000200942	0	0	0
4.E - Other (please specify)												
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3												
5.B - Other (please specify)												
Total												
		Sum(C): -68896.726	m(D): -103145.269				Sum(H): 747.427					Sum(M): 2680.039
						Uncertainty in total inventory: 27.339						Trend uncertainty: 51.769

Documentation box