

Annex 1. Key categories

This annex contains the detailed information on key categories.

The following tables are provided:

- Tier 2 level assessment year 1990 excluding LULUCF
- Tier 2 level assessment year 1990 including LULUCF
- Tier 2 level assessment year 2010 excluding LULUCF
- Tier 2 level assessment year 2010 including LULUCF
- Tier 2 trend assessment excluding LULUCF
- Tier 2 trend assessment including LULUCF

The tables follow the format and methodology (Tier 2) suggested in IPCC guidelines (2000, 2003). Uncertainty estimates used in the analysis can be found in Annex 7 of the present report.

Table 1. Tier 2 level assessment year 1990 excluding LULUCF

	IPCC Source Category	Gas	Emissions 1990	Lxt	Uxt	Tier 2 level assessment	Normalised Tier 2 level assessment	Cumulative total of column H
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CO2	21823,68	0,534	39,04%	0,209	0,585	0,585
4.D.3.2	Indirect Emissions - Nitrogen Leaching and Run-off	N2O	490,93	0,012	415,98%	0,050	0,140	0,725
4.D.1.1	Direct Soil Emissions - Synthetic Fertilizers	N2O	394,80	0,010	85,59%	0,008	0,023	0,749
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CO2	792,78	0,019	39,04%	0,008	0,021	0,770
4.A	Enteric Fermentation - Dairy Cattle	CH4	585,59	0,014	50,99%	0,007	0,021	0,790
4.A	Enteric Fermentation - Non-Dairy Cattle	CH4	523,94	0,013	50,99%	0,007	0,018	0,809
4.B	Manure Management - Solid Storage and Dry Lot	N2O	255,14	0,006	103,56%	0,006	0,018	0,827
1.A.4.b	Other Sectors/Residential - Solid Fuels	CO2	669,20	0,016	39,04%	0,006	0,018	0,845
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CO2	620,79	0,015	39,04%	0,006	0,017	0,861
4.D.2	Pasture, Range and Paddock Manure	N2O	192,10	0,005	103,56%	0,005	0,014	0,875
4.D.1.3	Direct Soil Emissions - N-fixing Crops	N2O	247,95	0,006	80,00%	0,005	0,014	0,889
4.D.1.2	Direct Soil Emissions - Animal Manure Applied to Soils	N2O	207,41	0,005	93,41%	0,005	0,013	0,902
4.D.1.4	Direct Soil Emissions - Crop Residue	N2O	204,09	0,005	80,00%	0,004	0,011	0,913
6.A	Solid Waste Disposal on Land	CH4	181,57	0,004	83,67%	0,004	0,010	0,924
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CO2	4825,04	0,118	2,48%	0,003	0,008	0,932
6.B.1	Industrial Wastewater	CH4	106,73	0,003	107,35%	0,003	0,008	0,940
4.D.3.1	Indirect Emissions - Atmospheric Deposition	N2O	95,80	0,002	115,11%	0,003	0,008	0,947
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CO2	1968,74	0,048	3,86%	0,002	0,005	0,953
4.D.1.5	Direct Soil Emissions - Cultivation of Histosols	N2O	87,76	0,002	80,00%	0,002	0,005	0,957
1.A.3.B	Road Transport - Liquid Fuels	CO2	2267,21	0,055	2,48%	0,001	0,004	0,961
1.A.4.b	Other Sectors/Residential - Biomass	CH4	33,67	0,001	150,33%	0,001	0,003	0,965
1.B.2	Oil and Natural Gas	CH4	181,10	0,004	26,93%	0,001	0,003	0,968
2.B.1	Ammonia Production	CO2	420,05	0,010	11,18%	0,001	0,003	0,971
6.B.2.2	Domestic and Commercial Wastewater - human sewage	N2O	43,34	0,001	100,12%	0,001	0,003	0,974
6.B.2	Domestic and Commercial Wastewater (anaerobic)	N2O	37,92	0,001	101,50%	0,001	0,003	0,977
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CO2	84,05	0,002	39,04%	0,001	0,002	0,979
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	N2O	43,64	0,001	75,17%	0,001	0,002	0,981
2.A.1	Cement Production	CO2	483,04	0,012	5,39%	0,001	0,002	0,983
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CO2	549,87	0,013	2,48%	0,000	0,001	0,984

1.A.4.b	Other Sectors/Residential - Solid Fuels	CH4	25,92	0,001	50,25%	0,000	0,001	0,985
4.B	Manure Management - Dairy Cattle	CH4	46,25	0,001	26,93%	0,000	0,001	0,986
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CO2	477,16	0,012	2,48%	0,000	0,001	0,987
1.A.3.B	Road Transport - Liquid Fuels	N2O	22,43	0,001	50,25%	0,000	0,001	0,987
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CO2	438,64	0,011	2,48%	0,000	0,001	0,988
1.A.4.b	Other Sectors/Residential - Biomass	N2O	6,63	0,000	150,33%	0,000	0,001	0,989
4.B	Manure Management - Swine	CH4	34,86	0,001	26,93%	0,000	0,001	0,990
2.A.2	Lime Production	CO2	131,30	0,003	7,07%	0,000	0,001	0,990
4.A	Enteric Fermentation - Swine	CH4	17,49	0,000	50,99%	0,000	0,001	0,991
4.B	Manure Management - Liquid system	N2O	7,98	0,000	103,56%	0,000	0,001	0,991
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CO2	324,97	0,008	2,48%	0,000	0,001	0,992
1.A.3.B	Road Transport - Liquid Fuels	CH4	19,08	0,000	40,31%	0,000	0,001	0,992
4.B	Manure Management -Non-Dairy Cattle	CH4	26,75	0,001	26,93%	0,000	0,000	0,993
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	N2O	11,72	0,000	60,21%	0,000	0,000	0,993
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CO2	165,88	0,004	3,86%	0,000	0,000	0,994
4.A	Enteric Fermentation - Sheep	CH4	23,49	0,001	26,93%	0,000	0,000	0,994
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CO2	16,08	0,000	39,04%	0,000	0,000	0,995
3	Solvent and Other Product Use (indirect CO2 emissions from NMVOC)	CO2	20,77	0,001	26,93%	0,000	0,000	0,995
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CO2	116,28	0,003	3,86%	0,000	0,000	0,995
1.A.3.C	Railways - Solid Fuels	CO2	11,46	0,000	39,04%	0,000	0,000	0,996
1.A.4.b	Other Sectors/Residential - Solid Fuels	N2O	8,72	0,000	50,25%	0,000	0,000	0,996
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CO2	99,68	0,002	3,86%	0,000	0,000	0,996
1.A.4.a	Other Sectors/Commercial - Biomass	CH4	2,49	0,000	150,33%	0,000	0,000	0,997
1.A.3.C	Railway - Liquid Fuels	CO2	143,06	0,004	2,48%	0,000	0,000	0,997
6.B.2	Domestic and Commercial Wastewater (anaerobic)	CH4	8,13	0,000	42,72%	0,000	0,000	0,997
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CO2	8,07	0,000	39,04%	0,000	0,000	0,997
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	N2O	3,98	0,000	60,21%	0,000	0,000	0,997
4.B	Manure Management - Poultry	CH4	10,71	0,000	22,36%	0,000	0,000	0,998
4.F.1	Field Burning of Agricultural Residues - Cereals	CH4	4,98	0,000	44,72%	0,000	0,000	0,998
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	N2O	3,59	0,000	60,21%	0,000	0,000	0,998
6.C	Waste incineration	N2O	2,06	0,000	100,12%	0,000	0,000	0,998

1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CH4	3,97	0,000	50,25%	0,000	0,000	0,998
1.A.4.c	Other Sectors/Agriculture - Biomass	CH4	1,25	0,000	150,33%	0,000	0,000	0,998
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	N2O	3,03	0,000	60,21%	0,000	0,000	0,998
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CO2	4,62	0,000	39,04%	0,000	0,000	0,999
2.A.7.2a	Ceramics Production - Bricks and Tiles	CO2	12,30	0,000	11,18%	0,000	0,000	0,999
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CO2	3,07	0,000	39,04%	0,000	0,000	0,999
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CH4	2,31	0,000	50,25%	0,000	0,000	0,999
1.A.5	Other - Liquid Fuels	CO2	43,61	0,001	2,48%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	N2O	1,24	0,000	75,17%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	CH4	1,54	0,000	60,21%	0,000	0,000	0,999
4.A	Enteric Fermentation - Horses	CH4	3,25	0,000	26,93%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CH4	1,71	0,000	50,25%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CO2	20,34	0,000	3,86%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CH4	1,53	0,000	50,25%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Biomass	N2O	0,49	0,000	150,33%	0,000	0,000	0,999
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	N2O	1,11	0,000	60,21%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	N2O	1,11	0,000	60,21%	0,000	0,000	0,999
6.D	Biological Treatment	N2O	0,66	0,000	100,50%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CH4	1,28	0,000	50,25%	0,000	0,000	0,999
6.D	Biological Treatment	CH4	0,60	0,000	100,50%	0,000	0,000	0,999
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CO2	14,79	0,000	3,86%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CO2	21,86	0,001	2,48%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CH4	1,05	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	N2O	0,80	0,000	60,21%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CO2	18,73	0,000	2,48%	0,000	0,000	1,000
1.A.5	Other - Liquid Fuels	N2O	0,77	0,000	50,25%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CH4	0,75	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Biomass	N2O	0,25	0,000	150,33%	0,000	0,000	1,000
4.F.1	Field Burning of Agricultural Residues - Cereals	N2O	1,02	0,000	35,23%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid	CO2	12,50	0,000	2,48%	0,000	0,000	1,000

	Fuels							
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	CH4	0,51	0,000	44,72%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	N2O	0,36	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CH4	0,35	0,000	50,25%	0,000	0,000	1,000
2.A.7.1	Glass Production	CO2	1,23	0,000	14,14%	0,000	0,000	1,000
4.D.1.6	Direct Soil Emissions - Sludge	N2O	0,20	0,000	79,63%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CH4	0,32	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CO2	3,68	0,000	3,86%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CO2	5,69	0,000	2,48%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CH4	0,25	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Sheep	CH4	0,56	0,000	22,36%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	N2O	0,20	0,000	60,21%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CH4	0,22	0,000	50,25%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	N2O	0,31	0,000	35,23%	0,000	0,000	1,000
4.A	Enteric Fermentation - Fur animals	CH4	0,20	0,000	50,99%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CH4	0,19	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CH4	0,18	0,000	50,25%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	CH4	0,20	0,000	40,31%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	N2O	0,13	0,000	60,21%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	N2O	0,11	0,000	60,21%	0,000	0,000	1,000
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	N2O	0,10	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	CH4	0,10	0,000	60,21%	0,000	0,000	1,000
4.B	Manure Management - Fur animals	CH4	0,27	0,000	22,36%	0,000	0,000	1,000
4.B	Manure Management - Horses	CH4	0,25	0,000	22,36%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	N2O	0,09	0,000	60,21%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	N2O	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	N2O	0,05	0,000	75,17%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	CH4	0,06	0,000	60,21%	0,000	0,000	1,000
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CH4	0,07	0,000	50,25%	0,000	0,000	1,000

1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	N2O	0,06	0,000	60,21%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	N2O	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	N2O	0,06	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	N2O	0,06	0,000	50,25%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid fuels	N2O	0,06	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CH4	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	N2O	0,05	0,000	50,25%	0,000	0,000	1,000
4.A	Enteric Fermentation - Goats	CH4	0,09	0,000	26,93%	0,000	0,000	1,000
1.A.5	Other - Liquid Fuels	CH4	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CH4	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CH4	0,04	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	N2O	0,03	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CH4	0,03	0,000	50,25%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CH4	0,03	0,000	40,31%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	N2O	0,02	0,000	60,21%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CH4	0,02	0,000	40,31%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	N2O	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	N2O	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	N2O	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CH4	0,01	0,000	40,31%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	N2O	0,00	0,000	50,25%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	CH4	0,00	0,000	44,72%	0,000	0,000	1,000
4.B	Manure Management - Goats	CH4	0,00	0,000	22,36%	0,000	0,000	1,000

4.F.2	Field Burning of Agricultural Residues - Pulse	N2O	0,00	0,000	35,23%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CO2	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CO2	0,00	0,000	3,86%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CO2	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CO2	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CO2	0,00	0,000	3,86%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	N2O	0,00	0,000	60,21%	0,000	0,000	1,000

1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CO2	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CO2	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous	CO2	0,00	0,000	3,86%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CO2	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2	Manufacturing Industries and Constructions - Other Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	CH4	0,00	0,000	100,12%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	N2O	0,00	0,000	150,08%	0,000	0,000	1,000
2.A.4.2	Soda Ash Use	CO2	0,00	0,000	11,18%	0,000	0,000	1,000
2.F.1.1	Domestic Refrigeration	HFCs	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.1.2	Commercial Refrigeration	HFCs	0,00	0,000	22,36%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Refrigerated Vehicles	HFCs	0,00	0,000	9,86%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Reefer Containers	HFCs	0,00	0,000	9,78%	0,000	0,000	1,000
2.F.1.4	Industrial Refrigeration	HFCs	0,00	0,000	30,02%	0,000	0,000	1,000
2.F.1.5	Stationary Air-Conditioning - Heat Pumps	HFCs	0,00	0,000	10,30%	0,000	0,000	1,000

2.F.1.5	Stationary Air-Conditioning - Stationary and Room Air-Conditioning	HFCs	0,00	0,000	23,43%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Passenger Cars	HFCs	0,00	0,000	9,86%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Trucks	HFCs	0,00	0,000	9,86%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Buses	HFCs	0,00	0,000	10,03%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Ships	HFCs	0,00	0,000	5,00%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Railcars	HFCs	0,00	0,000	9,86%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Wheel Tractors and Mobile Machinery	HFCs	0,00	0,000	17,61%	0,000	0,000	1,000
2.F.2	...PU Insulation Panels	HFCs	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.2	...Spray and Injection PU Foam	HFCs	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.2	...PU Integral Skin Foam	HFCs	0,00	0,000	3,00%	0,000	0,000	1,000
2.F.2	...XPS Insulation Foam	HFCs	0,00	0,000	22,36%	0,000	0,000	1,000
2.F.2	...One Component PU Foam	HFCs	0,00	0,000	15,00%	0,000	0,000	1,000
2.F.3	Fire Extinguishers	HFCs	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.4	...Metered Dose Inhalers	HFCs	0,00	0,000	10,00%	0,000	0,000	1,000
2.F.4	...General and Novelty Aerosols	HFCs	0,00	0,000	10,00%	0,000	0,000	1,000
2.F.8	Electrical equipment	SF6	0,00	0,000	10,44%	0,000	0,000	1,000
2.F.9	Other Electrical Equipment	SF6	0,00	0,000	29,70%	0,000	0,000	1,000
3.D	Solvent and Other Product Use	N2O	0,00	0,000	5,39%	0,000	0,000	1,000
4.B	Manure Management - Anaerobic Lagoon	N2O	0,00	0,000	103,56%	0,000	0,000	1,000
4.B	Manure Management - Other AWMS	N2O	0,00	0,000	103,56%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	CH4	0,00	0,000	25,50%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	N2O	0,00	0,000	25,50%	0,000	0,000	1,000

Table 2. Tier 2 level assessment year 1990 including LULUCF

	IPCC Source Category	Gas	Emissions 1990	Absolute value	Lxt	Uxt	Tier 2 level assessment	Normalised Tier 2 level assessment	Cumulative total of column I
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CO2	21823,68	21823,68	0,429	39,04%	0,168	0,436	0,436
5.A.1	Forest Land remaining Forest Land - living biomass	CO2	-9273,77	9273,77	0,182	47,00%	0,086	0,223	0,660
4.D.3.2	Indirect Emissions - Nitrogen Leaching and Run-off	N2O	490,93	490,93	0,010	415,98%	0,040	0,105	0,764
4.D.1.1	Direct Soil Emissions - Synthetic Fertilizers	N2O	394,80	394,80	0,008	85,59%	0,007	0,017	0,782
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CO2	792,78	792,78	0,016	39,04%	0,006	0,016	0,798
4.A	Enteric Fermentation - Dairy Cattle	CH4	585,59	585,59	0,012	50,99%	0,006	0,015	0,813
4.A	Enteric Fermentation - Non-Dairy Cattle	CH4	523,94	523,94	0,010	50,99%	0,005	0,014	0,827
4.B	Manure Management - Solid Storage and Dry Lot	N2O	255,14	255,14	0,005	103,56%	0,005	0,014	0,840
1.A.4.b	Other Sectors/Residential - Solid Fuels	CO2	669,20	669,20	0,013	39,04%	0,005	0,013	0,853
5.A.1	Forest Land remaining Forest Land - net carbon stock change in organic soils	CO2	129,54	129,54	0,003	200,09%	0,005	0,013	0,867
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CO2	620,79	620,79	0,012	39,04%	0,005	0,012	0,879
4.D.2	Pasture, Range and Paddock Manure	N2O	192,10	192,10	0,004	103,56%	0,004	0,010	0,889
4.D.1.3	Direct Soil Emissions - N-fixing Crops	N2O	247,95	247,95	0,005	80,00%	0,004	0,010	0,899
4.D.1.2	Direct Soil Emissions - Animal Manure Applied to Soils	N2O	207,41	207,41	0,004	93,41%	0,004	0,010	0,909
4.D.1.4	Direct Soil Emissions - Crop Residue	N2O	204,09	204,09	0,004	80,00%	0,003	0,008	0,918
6.A	Solid Waste Disposal on Land	CH4	181,57	181,57	0,004	83,67%	0,003	0,008	0,926
5.C.1	Grassland remaining Grassland - living biomass	CO2	-249,43	249,43	0,005	48,68%	0,002	0,006	0,932
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CO2	4825,04	4825,04	0,095	2,48%	0,002	0,006	0,938
6.B.1	Industrial Wastewater	CH4	106,73	106,73	0,002	107,35%	0,002	0,006	0,944
4.D.3.1	Indirect Emissions - Atmospheric Deposition	N2O	95,80	95,80	0,002	115,11%	0,002	0,006	0,949
5.B.1	Cropland remaining Cropland - net carbon stock change in organic soils	CO2	82,75	82,75	0,002	95,24%	0,002	0,004	0,953
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CO2	1968,74	1968,74	0,039	3,86%	0,001	0,004	0,957
4.D.1.5	Direct Soil Emissions - Cultivation of Histosols	N2O	87,76	87,76	0,002	80,00%	0,001	0,004	0,961
1.A.3.B	Road Transport - Liquid Fuels	CO2	2267,21	2267,21	0,045	2,48%	0,001	0,003	0,964
1.A.4.b	Other Sectors/Residential - Biomass	CH4	33,67	33,67	0,001	150,33%	0,001	0,003	0,966
1.B.2	Oil and Natural Gas	CH4	181,10	181,10	0,004	26,93%	0,001	0,002	0,969

2.B.1	Ammonia Production	CO2	420,05	420,05	0,008	11,18%	0,001	0,002	0,971
6.B.2.2	Domestic and Commercial Wastewater - human sewage	N2O	43,34	43,34	0,001	100,12%	0,001	0,002	0,974
5.D.1	Wetlands remaining Wetlands (Organic soils managed for peat extraction)	CO2	12,20	12,20	0,000	316,41%	0,001	0,002	0,976
6.B.2	Domestic and Commercial Wastewater (anaerobic)	N2O	37,92	37,92	0,001	101,50%	0,001	0,002	0,977
5.A.1	Forest Land remaining Forest Land - deadwood	CO2	-124,49	124,49	0,002	30,18%	0,001	0,002	0,979
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CO2	84,05	84,05	0,002	39,04%	0,001	0,002	0,981
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	N2O	43,64	43,64	0,001	75,17%	0,001	0,002	0,983
5.C.1	Grassland remaining Grassland - net carbon stock change in organic soils	CO2	33,52	33,52	0,001	93,08%	0,001	0,002	0,984
2.A.1	Cement Production	CO2	483,04	483,04	0,010	5,39%	0,001	0,001	0,986
5 (IV)	Liming	CO2	59,84	59,84	0,001	29,15%	0,000	0,001	0,987
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CO2	549,87	549,87	0,011	2,48%	0,000	0,001	0,987
5.A.2.2	Grassland converted to Forest Land - net carbon stock change in living biomass	CO2	-20,16	20,16	0,000	64,83%	0,000	0,001	0,988
1.A.4.b	Other Sectors/Residential - Solid Fuels	CH4	25,92	25,92	0,001	50,25%	0,000	0,001	0,989
4.B	Manure Management - Dairy Cattle	CH4	46,25	46,25	0,001	26,93%	0,000	0,001	0,989
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CO2	477,16	477,16	0,009	2,48%	0,000	0,001	0,990
1.A.3.B	Road Transport - Liquid Fuels	N2O	22,43	22,43	0,000	50,25%	0,000	0,001	0,990
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CO2	438,64	438,64	0,009	2,48%	0,000	0,001	0,991
1.A.4.b	Other Sectors/Residential - Biomass	N2O	6,63	6,63	0,000	150,33%	0,000	0,001	0,992
4.B	Manure Management - Swine	CH4	34,86	34,86	0,001	26,93%	0,000	0,000	0,992
2.A.2	Lime Production	CO2	131,30	131,30	0,003	7,07%	0,000	0,000	0,992
4.A	Enteric Fermentation - Swine	CH4	17,49	17,49	0,000	50,99%	0,000	0,000	0,993
4.B	Manure Management - Liquid system	N2O	7,98	7,98	0,000	103,56%	0,000	0,000	0,993
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CO2	324,97	324,97	0,006	2,48%	0,000	0,000	0,994
1.A.3.B	Road Transport - Liquid Fuels	CH4	19,08	19,08	0,000	40,31%	0,000	0,000	0,994
4.B	Manure Management -Non-Dairy Cattle	CH4	26,75	26,75	0,001	26,93%	0,000	0,000	0,995
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	N2O	11,72	11,72	0,000	60,21%	0,000	0,000	0,995
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CO2	165,88	165,88	0,003	3,86%	0,000	0,000	0,995
4.A	Enteric Fermentation - Sheep	CH4	23,49	23,49	0,000	26,93%	0,000	0,000	0,996
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CO2	16,08	16,08	0,000	39,04%	0,000	0,000	0,996

3	Solvent and Other Product Use (indirect CO2 emissions from NMVOC)	CO2	20,77	20,77	0,000	26,93%	0,000	0,000	0,996
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CO2	116,28	116,28	0,002	3,86%	0,000	0,000	0,996
1.A.3.C	Railways - Solid Fuels	CO2	11,46	11,46	0,000	39,04%	0,000	0,000	0,997
1.A.4.b	Other Sectors/Residential - Solid Fuels	N2O	8,72	8,72	0,000	50,25%	0,000	0,000	0,997
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CO2	99,68	99,68	0,002	3,86%	0,000	0,000	0,997
1.A.4.a	Other Sectors/Commercial - Biomass	CH4	2,49	2,49	0,000	150,33%	0,000	0,000	0,997
1.A.3.C	Railway - Liquid Fuels	CO2	143,06	143,06	0,003	2,48%	0,000	0,000	0,997
6.B.2	Domestic and Commercial Wastewater (anaerobic)	CH4	8,13	8,13	0,000	42,72%	0,000	0,000	0,998
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CO2	8,07	8,07	0,000	39,04%	0,000	0,000	0,998
5.D.2	Land converted to Wetlands (Organic soils managed for peat extraction)	N2O	0,81	0,81	0,000	312,54%	0,000	0,000	0,998
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	N2O	3,98	3,98	0,000	60,21%	0,000	0,000	0,998
4.B	Manure Management - Poultry	CH4	10,71	10,71	0,000	22,36%	0,000	0,000	0,998
4.F.1	Field Burning of Agricultural Residues - Cereals	CH4	4,98	4,98	0,000	44,72%	0,000	0,000	0,998
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	N2O	3,59	3,59	0,000	60,21%	0,000	0,000	0,998
6.C	Waste incineration	N2O	2,06	2,06	0,000	100,12%	0,000	0,000	0,998
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CH4	3,97	3,97	0,000	50,25%	0,000	0,000	0,999
1.A.4.c	Other Sectors/Agriculture- Biomass	CH4	1,25	1,25	0,000	150,33%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	N2O	3,03	3,03	0,000	60,21%	0,000	0,000	0,999
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CO2	4,62	4,62	0,000	39,04%	0,000	0,000	0,999
2.A.7.2a	Ceramics Production - Bricks and Tiles	CO2	12,30	12,30	0,000	11,18%	0,000	0,000	0,999
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CO2	3,07	3,07	0,000	39,04%	0,000	0,000	0,999
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CH4	2,31	2,31	0,000	50,25%	0,000	0,000	0,999
1.A.5	Other - Liquid Fuels	CO2	43,61	43,61	0,001	2,48%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	N2O	1,24	1,24	0,000	75,17%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	CH4	1,54	1,54	0,000	60,21%	0,000	0,000	0,999
4.A	Enteric Fermentation - Horses	CH4	3,25	3,25	0,000	26,93%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CH4	1,71	1,71	0,000	50,25%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CO2	20,34	20,34	0,000	3,86%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CH4	1,53	1,53	0,000	50,25%	0,000	0,000	0,999

1.A.4.a	Other Sectors/Commercial - Biomass	N2O	0,49	0,49	0,000	150,33%	0,000	0,000	0,999
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	N2O	1,11	1,11	0,000	60,21%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	N2O	1,11	1,11	0,000	60,21%	0,000	0,000	0,999
6.D	Biological Treatment	N2O	0,66	0,66	0,000	100,50%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CH4	1,28	1,28	0,000	50,25%	0,000	0,000	1,000
6.D	Biological Treatment	CH4	0,60	0,60	0,000	100,50%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CO2	14,79	14,79	0,000	3,86%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CO2	21,86	21,86	0,000	2,48%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CH4	1,05	1,05	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	N2O	0,80	0,80	0,000	60,21%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CO2	18,73	18,73	0,000	2,48%	0,000	0,000	1,000
5 (V)	Biomass Burning	CH4	0,34	0,34	0,000	133,76%	0,000	0,000	1,000
1.A.5	Other - Liquid Fuels	N2O	0,77	0,77	0,000	50,25%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CH4	0,75	0,75	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Biomass	N2O	0,25	0,25	0,000	150,33%	0,000	0,000	1,000
4.F.1	Field Burning of Agricultural Residues - Cereals	N2O	1,02	1,02	0,000	35,23%	0,000	0,000	1,000
5.A.2.3	Wetlands converted to Forest Land - organic soils	CO2	0,15	0,15	0,000	211,42%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CO2	12,50	12,50	0,000	2,48%	0,000	0,000	1,000
5.B.1	Cropland remaining Cropland - net carbon stock change in living biomass	CO2	-0,49	0,49	0,000	57,05%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	CH4	0,51	0,51	0,000	44,72%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	N2O	0,36	0,36	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CH4	0,35	0,35	0,000	50,25%	0,000	0,000	1,000
2.A.7.1	Glass Production	CO2	1,23	1,23	0,000	14,14%	0,000	0,000	1,000
4.D.1.6	Direct Soil Emissions - Sludge	N2O	0,20	0,20	0,000	79,63%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CH4	0,32	0,32	0,000	50,25%	0,000	0,000	1,000
5.C.1	Grassland remaining Grassland - deadwood	CO2	0,38	0,38	0,000	39,88%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CO2	3,68	3,68	0,000	3,86%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CO2	5,69	5,69	0,000	2,48%	0,000	0,000	1,000

1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CH4	0,25	0,25	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Sheep	CH4	0,56	0,56	0,000	22,36%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	N2O	0,20	0,20	0,000	60,21%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CH4	0,22	0,22	0,000	50,25%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	N2O	0,31	0,31	0,000	35,23%	0,000	0,000	1,000
4.A	Enteric Fermentation - Fur animals	CH4	0,20	0,20	0,000	50,99%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CH4	0,19	0,19	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CH4	0,18	0,18	0,000	50,25%	0,000	0,000	1,000
5 (V)	Biomass Burning	N2O	0,06	0,06	0,000	133,76%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	CH4	0,20	0,20	0,000	40,31%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	N2O	0,13	0,13	0,000	60,21%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	N2O	0,11	0,11	0,000	60,21%	0,000	0,000	1,000
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	N2O	0,10	0,10	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	CH4	0,10	0,10	0,000	60,21%	0,000	0,000	1,000
4.B	Manure Management - Fur animals	CH4	0,27	0,27	0,000	22,36%	0,000	0,000	1,000
4.B	Manure Management - Horses	CH4	0,25	0,25	0,000	22,36%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	N2O	0,09	0,09	0,000	60,21%	0,000	0,000	1,000
5.A.2.2	Grassland converted to Forest Land - dead wood	CO2	-0,10	0,10	0,000	41,78%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	N2O	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	N2O	0,05	0,05	0,000	75,17%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	CH4	0,06	0,06	0,000	60,21%	0,000	0,000	1,000
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CH4	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	N2O	0,06	0,06	0,000	60,21%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	N2O	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	N2O	0,06	0,06	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	N2O	0,06	0,06	0,000	50,25%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	N2O	0,06	0,06	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CH4	0,05	0,05	0,000	50,25%	0,000	0,000	1,000

1.A.3.C	Railways - Solid Fuels	N2O	0,05	0,05	0,000	50,25%	0,000	0,000	1,000
4.A	Enteric Fermentation - Goats	CH4	0,09	0,09	0,000	26,93%	0,000	0,000	1,000
1.A.5	Other - Liquid Fuels	CH4	0,05	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CH4	0,05	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CH4	0,04	0,04	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	N2O	0,03	0,03	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CH4	0,03	0,03	0,000	50,25%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CH4	0,03	0,03	0,000	40,31%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	N2O	0,02	0,02	0,000	60,21%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CH4	0,02	0,02	0,000	40,31%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	N2O	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	N2O	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	N2O	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CH4	0,01	0,01	0,000	40,31%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	N2O	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	CH4	0,00	0,00	0,000	44,72%	0,000	0,000	1,000
4.B	Manure Management - Goats	CH4	0,00	0,00	0,000	22,36%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	N2O	0,00	0,00	0,000	35,23%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CO2	0,00	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CO2	0,00	0,00	0,000	3,86%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000

1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CO2	0,00	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CO2	0,00	0,00	0,000	3,86%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print	CO2	0,00	0,00	0,000	2,48%	0,000	0,000	1,000

	- Liquid Fuels								
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print-Gaseous Fuels	CO2	0,00	0,00	0,000	3,86%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CO2	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2	Manufacturing Industries and Constructions - Other Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	CH4	0,00	0,00	0,000	100,12%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	N2O	0,00	0,00	0,000	150,08%	0,000	0,000	1,000
2.A.4.2	Soda Ash Use	CO2	0,00	0,00	0,000	11,18%	0,000	0,000	1,000
2.F.1.1	Domestic Refrigeration	HFCs	0,00	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.1.2	Commercial Refrigeration	HFCs	0,00	0,00	0,000	22,36%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Refrigerated Vehicles	HFCs	0,00	0,00	0,000	9,86%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Reefer Containers	HFCs	0,00	0,00	0,000	9,78%	0,000	0,000	1,000
2.F.1.4	Industrial Refrigeration	HFCs	0,00	0,00	0,000	30,02%	0,000	0,000	1,000
2.F.1.5	Stationary Air-Conditioning - Heat Pumps	HFCs	0,00	0,00	0,000	10,30%	0,000	0,000	1,000
2.F.1.5	Stationary Air-Conditioning - Stationary and Room Air-Conditioning	HFCs	0,00	0,00	0,000	23,43%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Passenger Cars	HFCs	0,00	0,00	0,000	9,86%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Trucks	HFCs	0,00	0,00	0,000	9,86%	0,000	0,000	1,000

2.F.1.6	Mobile Air-Conditioning - Buses	HFCs	0,00	0,00	0,000	10,03%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Ships	HFCs	0,00	0,00	0,000	5,00%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Railcars	HFCs	0,00	0,00	0,000	9,86%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Wheel Tractors and Mobile Machinery	HFCs	0,00	0,00	0,000	17,61%	0,000	0,000	1,000
2.F.2	...PU Insulation Panels	HFCs	0,00	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.2	...Spray and Injection PU Foam	HFCs	0,00	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.2	...PU Integral Skin Foam	HFCs	0,00	0,00	0,000	3,00%	0,000	0,000	1,000
2.F.2	...XPS Insulation Foam	HFCs	0,00	0,00	0,000	22,36%	0,000	0,000	1,000
2.F.2	...One Component PU Foam	HFCs	0,00	0,00	0,000	15,00%	0,000	0,000	1,000
2.F.3	Fire Extinguishers	HFCs	0,00	0,00	0,000	14,14%	0,000	0,000	1,000
2.F.4	...Metered Dose Inhalers	HFCs	0,00	0,00	0,000	10,00%	0,000	0,000	1,000
2.F.4	...General and Novelty Aerosols	HFCs	0,00	0,00	0,000	10,00%	0,000	0,000	1,000
2.F.8	Electrical equipment	SF6	0,00	0,00	0,000	10,44%	0,000	0,000	1,000
2.F.9	Other Electrical Equipment	SF6	0,00	0,00	0,000	29,70%	0,000	0,000	1,000
3.D	Solvent and Other Product Use	N2O	0,00	0,00	0,000	5,39%	0,000	0,000	1,000
4.B	Manure Management - Anaerobic Lagoon	N2O	0,00	0,00	0,000	103,56%	0,000	0,000	1,000
4.B	Manure Management - Other AWMS	N2O	0,00	0,00	0,000	103,56%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	CH4	0,00	0,00	0,000	25,50%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	N2O	0,00	0,00	0,000	25,50%	0,000	0,000	1,000
5.A.2.1	Cropland converted to Forest Land - net carbon stock change in living biomass	CO2	0,00	0,00	0,000	62,58%	0,000	0,000	1,000
5.A.2.1	Cropland converted to Forest Land - deadwood	CO2	0,00	0,00	0,000	52,05%	0,000	0,000	1,000
5.A.2.2	Grassland converted to Forest Land - net carbon stock change in organic soils	CO2	0,00	0,00	0,000	222,41%	0,000	0,000	1,000
5.A.2.3	Wetlands converted to Forest Land -living biomass	CO2	0,00	0,00	0,000	98,28%	0,000	0,000	1,000
5.A.2.3	Wetlands converted to Forest Land - deadwood	CO2	0,00	0,00	0,000	75,48%	0,000	0,000	1,000
5.A.2.4	Settlements converted to Forest Land - net carbon stock change in organic soils	CO2	0,00	0,00	0,000	280,02%	0,000	0,000	1,000
5.A.2.4	Settlements converted to Forest Land - net carbon stock change in living biomass	CO2	0,00	0,00	0,000	119,49%	0,000	0,000	1,000
5.A.2.4	Settlements converted to Forest Land - deadwood	CO2	0,00	0,00	0,000	92,79%	0,000	0,000	1,000
5.A.2.5	Other Land converted to Forest Land - net carbon stock change in living biomass	CO2	0,00	0,00	0,000	66,75%	0,000	0,000	1,000
5.A.2.5	Other Land converted to Forest Land - deadwood	CO2	0,00	0,00	0,000	49,16%	0,000	0,000	1,000

5.B.2.2	Grassland converted to Cropland - net carbon stock change in organic soils	CO2	0,00	0,00	0,000	215,67%	0,000	0,000	1,000
5.C.2	Land converted to Grassland - net carbon stock change in living biomass	CO2	0,00	0,00	0,000	57,96%	0,000	0,000	1,000
5.C.2	Land converted to Grassland - net carbon stock change in soils	CO2	0,00	0,00	0,000	114,68%	0,000	0,000	1,000
5.C.2	Land converted to Grassland - dead organic matter	CO2	0,00	0,00	0,000	74,10%	0,000	0,000	1,000
5.D.2	Land converted to Wetlands - living biomass	CO2	0,00	0,00	0,000	97,83%	0,000	0,000	1,000
5.E.2.1	Forest Land converted to Settlements – living biomass	CO2	0,00	0,00	0,000	66,00%	0,000	0,000	1,000
5.E.2.1	Forest Land converted to Settlements – dead organic matter	CO2	0,00	0,00	0,000	58,54%	0,000	0,000	1,000
5.E.2.1	Forest Land converted to Settlements – net carbon stock change in soils	CO2	0,00	0,00	0,000	228,96%	0,000	0,000	1,000
5.E.2.3	Grassland converted to Settlements – living biomass	CO2	0,00	0,00	0,000	160,30%	0,000	0,000	1,000
5.E.2.3	Grassland converted to Settlements – deadwood	CO2	0,00	0,00	0,000	310,24%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – living biomass	CO2	0,00	0,00	0,000	92,75%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – dead organic matter	CO2	0,00	0,00	0,000	94,35%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – net carbon stock change in soils	CO2	0,00	0,00	0,000	215,40%	0,000	0,000	1,000
5 (V)	Biomass Burning	CO2	0,00	0,00	0,000	133,76%	0,000	0,000	1,000

Table 3. Tier 2 level assessment year 2010 excluding LULUCF

	IPCC Source Category	Gas	Emissions 2010	Lxt	Uxt	Tier 2 level assessment	Normalised Tier 2 level assessment	Cumulative total of column H
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CO2	12544,63	0,611	39,04%	0,239	0,624	0,624
4.D.3.2	Indirect Emissions - Nitrogen Leaching and Run-off	N2O	197,53	0,010	415,98%	0,040	0,105	0,729
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CO2	673,78	0,033	39,04%	0,013	0,034	0,762
6.A	Solid Waste Disposal on Land	CH4	262,45	0,013	83,67%	0,011	0,028	0,790
1.A.4.b	Other Sectors/Residential - Biomass	CH4	111,52	0,005	150,33%	0,008	0,021	0,812
4.A	Enteric Fermentation - Dairy Cattle	CH4	264,21	0,013	50,99%	0,007	0,017	0,829
4.D.1.1	Direct Soil Emissions - Synthetic Fertilizers	N2O	156,89	0,008	85,59%	0,007	0,017	0,846
4.B	Manure Management - Solid Storage and Dry Lot	N2O	97,12	0,005	103,56%	0,005	0,013	0,859
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CO2	246,90	0,012	39,04%	0,005	0,012	0,871
4.A	Enteric Fermentation - Non-Dairy Cattle	CH4	158,59	0,008	50,99%	0,004	0,010	0,882
4.D.1.2	Direct Soil Emissions - Animal Manure Applied to Soils	N2O	84,21	0,004	93,41%	0,004	0,010	0,892
4.D.2	Pasture, Range and Paddock Manure	N2O	74,92	0,004	103,56%	0,004	0,010	0,901
6.D	Biological Treatment	N2O	72,82	0,004	100,50%	0,004	0,009	0,911
6.D	Biological Treatment	CH4	65,78	0,003	100,50%	0,003	0,008	0,919
4.D.1.5	Direct Soil Emissions - Cultivation of Histosols	N2O	81,74	0,004	80,00%	0,003	0,008	0,928
1.A.3.B	Road Transport - Liquid Fuels	CO2	2052,69	0,100	2,48%	0,002	0,006	0,934
4.D.1.3	Direct Soil Emissions - N-fixing Crops	N2O	56,88	0,003	80,00%	0,002	0,006	0,940
4.D.3.1	Indirect Emissions - Atmospheric Deposition	N2O	38,50	0,002	115,11%	0,002	0,006	0,945
4.D.1.4	Direct Soil Emissions - Crop Residue	N2O	54,11	0,003	80,00%	0,002	0,006	0,951
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CO2	1004,66	0,049	3,86%	0,002	0,005	0,956
6.B.2.2	Domestic and Commercial Wastewater - human sewage	N2O	34,69	0,002	100,12%	0,002	0,004	0,960
1.A.4.b	Other Sectors/Residential - Biomass	N2O	21,95	0,001	150,33%	0,002	0,004	0,965
6.B.2	Domestic and Commercial Wastewater (anaerobic)	N2O	30,36	0,001	101,50%	0,002	0,004	0,968
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CO2	44,08	0,002	60,21%	0,001	0,003	0,972
1.B.2	Oil and Natural Gas	CH4	83,19	0,004	26,93%	0,001	0,003	0,975
2.A.1	Cement Production	CO2	310,43	0,015	5,39%	0,001	0,002	0,977
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	N2O	21,48	0,001	75,17%	0,001	0,002	0,979
1.A.4.b	Other Sectors/Residential - Solid Fuels	CO2	34,34	0,002	39,04%	0,001	0,002	0,981
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	N2O	20,04	0,001	60,21%	0,001	0,002	0,982

2.F.1.2	Commercial Refrigeration	HFCs	45,04	0,002	22,36%	0,000	0,001	0,983
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CO2	376,58	0,018	2,48%	0,000	0,001	0,985
1.A.3.B	Road Transport - Liquid Fuels	N2O	18,30	0,001	50,25%	0,000	0,001	0,986
2.F.1.4	Industrial Refrigeration	HFCs	27,10	0,001	30,02%	0,000	0,001	0,987
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	CH4	10,18	0,000	60,21%	0,000	0,001	0,988
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	N2O	9,48	0,000	60,21%	0,000	0,001	0,988
4.B	Manure Management - Dairy Cattle	CH4	21,14	0,001	26,93%	0,000	0,001	0,989
6.B.1	Industrial Wastewater	CH4	5,25	0,000	107,35%	0,000	0,001	0,990
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CO2	198,82	0,010	2,48%	0,000	0,001	0,990
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CO2	126,40	0,006	3,86%	0,000	0,001	0,991
4.B	Manure Management - Swine	CH4	16,11	0,001	26,93%	0,000	0,001	0,992
4.A	Enteric Fermentation - Swine	CH4	7,70	0,000	50,99%	0,000	0,001	0,992
2.F.1.5	Stationary Air-Conditioning - Stationary and Room Air-Conditioning	HFCs	16,58	0,001	23,43%	0,000	0,000	0,993
1.A.3.C	Railway - Liquid Fuels	CO2	155,82	0,008	2,48%	0,000	0,000	0,993
4.B	Manure Management - Liquid system	N2O	3,57	0,000	103,56%	0,000	0,000	0,994
4.A	Enteric Fermentation - Sheep	CH4	13,20	0,001	26,93%	0,000	0,000	0,994
3	Solvent and Other Product Use (indirect CO2 emissions from NMVOC)	CO2	12,84	0,001	26,93%	0,000	0,000	0,994
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CO2	76,04	0,004	3,86%	0,000	0,000	0,995
1.A.3.B	Road Transport - Liquid Fuels	CH4	7,26	0,000	40,31%	0,000	0,000	0,995
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CO2	114,25	0,006	2,48%	0,000	0,000	0,996
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CO2	68,67	0,003	3,86%	0,000	0,000	0,996
2.F.1.6	Mobile Air-Conditioning - Passenger Cars	HFCs	23,43	0,001	9,86%	0,000	0,000	0,996
4.B	Manure Management -Non-Dairy Cattle	CH4	8,03	0,000	26,93%	0,000	0,000	0,996
4.D.1.6	Direct Soil Emissions - Sludge	N2O	2,52	0,000	79,63%	0,000	0,000	0,997
2.F.1.3	Transport Refrigeration - Refrigerated Vehicles	HFCs	14,29	0,001	9,86%	0,000	0,000	0,997
2.A.7.1	Glass Production	CO2	9,58	0,000	14,14%	0,000	0,000	0,997
2.A.2	Lime Production	CO2	17,71	0,001	7,07%	0,000	0,000	0,997
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CO2	3,02	0,000	39,04%	0,000	0,000	0,997
1.A.4.a	Other Sectors/Commercial - Biomass	CH4	0,74	0,000	150,33%	0,000	0,000	0,998
2.F.2	...One Component PU Foam	HFCs	7,39	0,000	15,00%	0,000	0,000	0,998
1.A.5	Other - Liquid Fuels	CO2	40,86	0,002	2,48%	0,000	0,000	0,998

1.A.4.b	Other Sectors/Residential - Liquid Fuels	CO2	37,68	0,002	2,48%	0,000	0,000	0,998
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CH4	1,59	0,000	50,25%	0,000	0,000	0,998
4.B	Manure Management - Poultry	CH4	3,35	0,000	22,36%	0,000	0,000	0,998
1.A.4.b	Other Sectors/Residential - Solid Fuels	CH4	1,48	0,000	50,25%	0,000	0,000	0,998
4.A	Enteric Fermentation - Horses	CH4	2,57	0,000	26,93%	0,000	0,000	0,998
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	N2O	1,13	0,000	60,21%	0,000	0,000	0,998
1.A.3.D	Navigation - Liquid Fuels	CO2	23,39	0,001	2,48%	0,000	0,000	0,998
2.F.1.6	Mobile Air-Conditioning - Wheel Tractors and Mobile Machinery	HFCs	3,27	0,000	17,61%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	N2O	0,93	0,000	60,21%	0,000	0,000	0,999
2.F.1.6	Mobile Air-Conditioning - Trucks	HFCs	4,72	0,000	9,86%	0,000	0,000	0,999
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CO2	1,17	0,000	39,04%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CO2	1,15	0,000	39,04%	0,000	0,000	0,999
1.A.2	Manufacturing Industries and Constructions - Other Fuels	N2O	0,70	0,000	60,21%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	N2O	0,51	0,000	75,17%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	N2O	0,60	0,000	60,21%	0,000	0,000	0,999
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	N2O	0,57	0,000	60,21%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	N2O	0,57	0,000	60,21%	0,000	0,000	0,999
1.A.5	Other - Liquid Fuels	N2O	0,67	0,000	50,25%	0,000	0,000	0,999
6.B.2	Domestic and Commercial Wastewater (anaerobic)	CH4	0,77	0,000	42,72%	0,000	0,000	0,999
1.A.4.c	Other Sectors/Agriculture - Biomass	CH4	0,21	0,000	150,33%	0,000	0,000	0,999
2.F.4	...Metered Dose Inhalers	HFCs	2,89	0,000	10,00%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CH4	0,53	0,000	50,25%	0,000	0,000	0,999
3.D	Solvent and Other Product Use	N2O	4,80	0,000	5,39%	0,000	0,000	0,999
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CO2	6,65	0,000	3,86%	0,000	0,000	0,999
2.F.1.5	Stationary Air-Conditioning - Heat Pumps	HFCs	2,43	0,000	10,30%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CH4	0,48	0,000	50,25%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CO2	9,58	0,000	2,48%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Solid Fuels	N2O	0,45	0,000	50,25%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Biomass	N2O	0,15	0,000	150,33%	0,000	0,000	0,999
2.F.3	Fire Extinguishers	HFCs	1,55	0,000	14,14%	0,000	0,000	0,999
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CH4	0,36	0,000	60,21%	0,000	0,000	0,999

2.F.1.6	Mobile Air-Conditioning - Buses	HFCs	2,11	0,000	10,03%	0,000	0,000	0,999
2.F.1.6	Mobile Air-Conditioning - Ships	HFCs	4,08	0,000	5,00%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	N2O	0,40	0,000	50,25%	0,000	0,000	1,000
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CH4	0,39	0,000	50,25%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CH4	0,38	0,000	50,25%	0,000	0,000	1,000
2.F.8	Electrical equipment	SF6	1,76	0,000	10,44%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	CH4	0,30	0,000	60,21%	0,000	0,000	1,000
2.A.7.2a	Ceramics Production - Bricks and Tiles	CO2	1,62	0,000	11,18%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	N2O	0,28	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous	CO2	4,34	0,000	3,86%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CH4	0,31	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CO2	5,97	0,000	2,48%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CH4	0,29	0,000	50,25%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CH4	0,24	0,000	50,25%	0,000	0,000	1,000
4.A	Enteric Fermentation - Goats	CH4	0,43	0,000	26,93%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CO2	2,97	0,000	3,86%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CO2	4,40	0,000	2,48%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CO2	2,53	0,000	3,86%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	CH4	0,22	0,000	40,31%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CO2	2,20	0,000	3,86%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Reefer Containers	HFCs	0,87	0,000	9,78%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CH4	0,15	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Sheep	CH4	0,31	0,000	22,36%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CH4	0,13	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Biomass	N2O	0,04	0,000	150,33%	0,000	0,000	1,000
4.A	Enteric Fermentation - Fur animals	CH4	0,12	0,000	50,99%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	N2O	0,04	0,000	150,08%	0,000	0,000	1,000
6.C	Waste incineration	N2O	0,05	0,000	100,12%	0,000	0,000	1,000
4.B	Manure Management - Horses	CH4	0,20	0,000	22,36%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CO2	1,80	0,000	2,48%	0,000	0,000	1,000

1.A.4.b	Other Sectors/Residential - Gaseous Fuels	N2O	0,07	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Fur animals	CH4	0,16	0,000	22,36%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CH4	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid fuels	N2O	0,06	0,000	50,25%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Railcars	HFCs	0,26	0,000	9,86%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	N2O	0,04	0,000	60,21%	0,000	0,000	1,000
1.A.5	Other - Liquid Fuels	CH4	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	N2O	0,04	0,000	50,25%	0,000	0,000	1,000
2.F.1.1	Domestic Refrigeration	HFCs	0,14	0,000	14,14%	0,000	0,000	1,000
2.F.2	...XPS Insulation Foam	HFCs	0,07	0,000	22,36%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CO2	0,58	0,000	2,48%	0,000	0,000	1,000
2.F.2	...PU Insulation Panels	HFCs	0,10	0,000	14,14%	0,000	0,000	1,000
2.F.9	Other Electrical Equipment	SF6	0,05	0,000	29,70%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CH4	0,03	0,000	40,31%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	N2O	0,02	0,000	75,17%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	CH4	0,01	0,000	100,12%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CH4	0,02	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	N2O	0,02	0,000	50,25%	0,000	0,000	1,000
2.A.4.2	Soda Ash Use	CO2	0,08	0,000	11,18%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CO2	0,22	0,000	3,86%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	N2O	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	N2O	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CO2	0,25	0,000	2,48%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	N2O	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	N2O	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print -	CH4	0,01	0,000	50,25%	0,000	0,000	1,000

	Gaseous Fuels							
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	N2O	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	N2O	0,01	0,000	50,25%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	CH4	0,01	0,000	25,50%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CH4	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Goats	CH4	0,01	0,000	22,36%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CH4	0,00	0,000	40,31%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	N2O	0,00	0,000	25,50%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print -	N2O	0,00	0,000	60,21%	0,000	0,000	1,000

	Biomass							
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	N2O	0,00	0,000	50,25%	0,000	0,000	1,000
2.F.2	...Spray and Injection PU Foam	HFCs	0,00	0,000	14,14%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CO2	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	CH4	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CO2	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CO2	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing,	CO2	0,00	0,000	39,04%	0,000	0,000	1,000

	Beverages and Tobacco - Solid Fuels							
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	N2O	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CO2	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CH4	0,00	0,000	40,31%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	N2O	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CO2	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CH4	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	N2O	0,00	0,000	50,25%	0,000	0,000	1,000
2.B.1	Ammonia Production	CO2	0,00	0,000	11,18%	0,000	0,000	1,000
2.F.2	...PU Integral Skin Foam	HFCs	0,00	0,000	3,00%	0,000	0,000	1,000
2.F.4	...General and Novelty Aerosols	HFCs	0,00	0,000	10,00%	0,000	0,000	1,000
4.B	Manure Management - Anaerobic Lagoon	N2O	0,00	0,000	103,56%	0,000	0,000	1,000
4.B	Manure Management - Other AWMS	N2O	0,00	0,000	103,56%	0,000	0,000	1,000
4.F.1	Field Burning of Agricultural Residues - Cereals	CH4	0,00	0,000	44,72%	0,000	0,000	1,000
4.F.1	Field Burning of Agricultural Residues - Cereals	N2O	0,00	0,000	35,23%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	CH4	0,00	0,000	44,72%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	N2O	0,00	0,000	35,23%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	CH4	0,00	0,000	44,72%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	N2O	0,00	0,000	35,23%	0,000	0,000	1,000

Table 4. Tier 2 level assessment year 2010 including LULUCF

	IPCC Source Category	Gas	Emissions 2010	Absolute value	Lxt	Uxt	Tier 2 level assessment	Normalised Tier 2 level assessment	Cumulative total of column I
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CO2	12544,63	12544,63	0,487	39,04%	0,190	0,441	0,441
5.A.2.2	Grassland converted to Forest Land - net carbon stock change in living biomass	CO2	-1842,96	1842,96	0,072	64,83%	0,046	0,107	0,548
4.D.3.2	Indirect Emissions - Nitrogen Leaching and Run-off	N2O	197,53	197,53	0,008	415,98%	0,032	0,074	0,622
5.A.1	Forest Land remaining Forest Land - living biomass	CO2	-1428,73	1428,73	0,055	47,00%	0,026	0,060	0,682
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CO2	673,78	673,78	0,026	39,04%	0,010	0,024	0,706
5.A.1	Forest Land remaining Forest Land - net carbon stock change in organic soils	CO2	128,47	128,47	0,005	200,09%	0,010	0,023	0,729
6.A	Solid Waste Disposal on Land	CH4	262,45	262,45	0,010	83,67%	0,009	0,020	0,749
5.C.2	Land converted to Grassland - net carbon stock change in living biomass	CO2	-341,90	341,90	0,013	57,96%	0,008	0,018	0,767
5.E.2.1	Forest Land converted to Settlements – living biomass	CO2	281,77	281,77	0,011	66,00%	0,007	0,017	0,784
1.A.4.b	Other Sectors/Residential - Biomass	CH4	111,52	111,52	0,004	150,33%	0,007	0,015	0,799
5.A.2.1	Cropland converted to Forest Land - net carbon stock change in living biomass	CO2	-243,89	243,89	0,009	62,58%	0,006	0,014	0,812
4.A	Enteric Fermentation - Dairy Cattle	CH4	264,21	264,21	0,010	50,99%	0,005	0,012	0,825
4.D.1.1	Direct Soil Emissions - Synthetic Fertilizers	N2O	156,89	156,89	0,006	85,59%	0,005	0,012	0,837
5.A.2.5	Other Land converted to Forest Land - net carbon stock change in living biomass	CO2	-172,27	172,27	0,007	66,75%	0,004	0,010	0,847
4.B	Manure Management - Solid Storage and Dry Lot	N2O	97,12	97,12	0,004	103,56%	0,004	0,009	0,856
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CO2	246,90	246,90	0,010	39,04%	0,004	0,009	0,865
5.A.1	Forest Land remaining Forest Land - deadwood	CO2	-309,13	309,13	0,012	30,18%	0,004	0,008	0,873
4.A	Enteric Fermentation - Non-Dairy Cattle	CH4	158,59	158,59	0,006	50,99%	0,003	0,007	0,880
4.D.1.2	Direct Soil Emissions - Animal Manure Applied to Soils	N2O	84,21	84,21	0,003	93,41%	0,003	0,007	0,887
4.D.2	Pasture, Range and Paddock Manure	N2O	74,92	74,92	0,003	103,56%	0,003	0,007	0,894
6.D	Biological Treatment	N2O	72,82	72,82	0,003	100,50%	0,003	0,007	0,901
5.B.1	Cropland remaining Cropland - net carbon stock change in organic soils	CO2	75,15	75,15	0,003	95,24%	0,003	0,006	0,907

5.C.1	Grassland remaining Grassland - living biomass	CO2	141,58	141,58	0,005	48,68%	0,003	0,006	0,914
6.D	Biological Treatment	CH4	65,78	65,78	0,003	100,50%	0,003	0,006	0,920
4.D.1.5	Direct Soil Emissions - Cultivation of Histosols	N2O	81,74	81,74	0,003	80,00%	0,003	0,006	0,925
5.A.2.4	Settlements converted to Forest Land - net carbon stock change in living biomass	CO2	-46,52	46,52	0,002	119,49%	0,002	0,005	0,930
1.A.3.B	Road Transport - Liquid Fuels	CO2	2052,69	2052,69	0,080	2,48%	0,002	0,005	0,935
4.D.1.3	Direct Soil Emissions - N-fixing Crops	N2O	56,88	56,88	0,002	80,00%	0,002	0,004	0,939
4.D.3.1	Indirect Emissions - Atmospheric Deposition	N2O	38,50	38,50	0,001	115,11%	0,002	0,004	0,943
4.D.1.4	Direct Soil Emissions - Crop Residue	N2O	54,11	54,11	0,002	80,00%	0,002	0,004	0,947
5.D.1	Wetlands remaining Wetlands (Organic soils managed for peat extraction)	CO2	13,62	13,62	0,001	316,41%	0,002	0,004	0,951
5.A.2.3	Wetlands converted to Forest Land -living biomass	CO2	-41,72	41,72	0,002	98,28%	0,002	0,004	0,955
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CO2	1004,66	1004,66	0,039	3,86%	0,002	0,003	0,958
6.B.2.2	Domestic and Commercial Wastewater - human sewage	N2O	34,69	34,69	0,001	100,12%	0,001	0,003	0,961
1.A.4.b	Other Sectors/Residential - Biomass	N2O	21,95	21,95	0,001	150,33%	0,001	0,003	0,964
6.B.2	Domestic and Commercial Wastewater (anaerobic)	N2O	30,36	30,36	0,001	101,50%	0,001	0,003	0,967
5.C.1	Grassland remaining Grassland - net carbon stock change in organic soils	CO2	31,10	31,10	0,001	93,08%	0,001	0,003	0,970
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CO2	44,08	44,08	0,002	60,21%	0,001	0,002	0,972
1.B.2	Oil and Natural Gas	CH4	83,19	83,19	0,003	26,93%	0,001	0,002	0,974
2.A.1	Cement Production	CO2	310,43	310,43	0,012	5,39%	0,001	0,002	0,975
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	N2O	21,48	21,48	0,001	75,17%	0,001	0,001	0,977
5.B.1	Cropland remaining Cropland - net carbon stock change in living biomass	CO2	25,40	25,40	0,001	57,05%	0,001	0,001	0,978
1.A.4.b	Other Sectors/Residential - Solid Fuels	CO2	34,34	34,34	0,001	39,04%	0,001	0,001	0,979
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	N2O	20,04	20,04	0,001	60,21%	0,000	0,001	0,980
5.E.2.1	Forest Land converted to Settlements – net carbon stock change in soils	CO2	4,44	4,44	0,000	228,96%	0,000	0,001	0,981
2.F.1.2	Commercial Refrigeration	HFCs	45,04	45,04	0,002	22,36%	0,000	0,001	0,982
5.A.2.2	Grassland converted to Forest Land - dead wood	CO2	-24,00	24,00	0,001	41,78%	0,000	0,001	0,983
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CO2	376,58	376,58	0,015	2,48%	0,000	0,001	0,984
1.A.3.B	Road Transport - Liquid Fuels	N2O	18,30	18,30	0,001	50,25%	0,000	0,001	0,985
5.A.2.1	Cropland converted to Forest Land - deadwood	CO2	-16,27	16,27	0,001	52,05%	0,000	0,001	0,986

2.F.1.4	Industrial Refrigeration	HFCs	27,10	27,10	0,001	30,02%	0,000	0,001	0,986
5.E.2.1	Forest Land converted to Settlements – dead organic matter	CO2	12,15	12,15	0,000	58,54%	0,000	0,001	0,987
5.A.2.5	Other Land converted to Forest Land - deadwood	CO2	-13,40	13,40	0,001	49,16%	0,000	0,001	0,988
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	CH4	10,18	10,18	0,000	60,21%	0,000	0,001	0,988
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	N2O	9,48	9,48	0,000	60,21%	0,000	0,001	0,989
4.B	Manure Management - Dairy Cattle	CH4	21,14	21,14	0,001	26,93%	0,000	0,001	0,989
6.B.1	Industrial Wastewater	CH4	5,25	5,25	0,000	107,35%	0,000	0,001	0,990
5.A.2.3	Wetlands converted to Forest Land - organic soils	CO2	2,35	2,35	0,000	211,42%	0,000	0,000	0,990
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CO2	198,82	198,82	0,008	2,48%	0,000	0,000	0,991
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CO2	126,40	126,40	0,005	3,86%	0,000	0,000	0,991
5.C.2	Land converted to Grassland - net carbon stock change in soils	CO2	3,98	3,98	0,000	114,68%	0,000	0,000	0,991
4.B	Manure Management - Swine	CH4	16,11	16,11	0,001	26,93%	0,000	0,000	0,992
5.B.2.2	Grassland converted to Cropland - net carbon stock change in organic soils	CO2	1,92	1,92	0,000	215,67%	0,000	0,000	0,992
5.C.2	Land converted to Grassland - dead organic matter	CO2	-5,33	5,33	0,000	74,10%	0,000	0,000	0,993
4.A	Enteric Fermentation - Swine	CH4	7,70	7,70	0,000	50,99%	0,000	0,000	0,993
5.C.1	Grassland remaining Grassland - deadwood	CO2	9,82	9,82	0,000	39,88%	0,000	0,000	0,993
2.F.1.5	Stationary Air-Conditioning - Stationary and Room Air-Conditioning	HFCs	16,58	16,58	0,001	23,43%	0,000	0,000	0,994
1.A.3.C	Railway - Liquid Fuels	CO2	155,82	155,82	0,006	2,48%	0,000	0,000	0,994
4.B	Manure Management - Liquid system	N2O	3,57	3,57	0,000	103,56%	0,000	0,000	0,994
4.A	Enteric Fermentation - Sheep	CH4	13,20	13,20	0,001	26,93%	0,000	0,000	0,995
3	Solvent and Other Product Use (indirect CO2 emissions from NMVOC)	CO2	12,84	12,84	0,000	26,93%	0,000	0,000	0,995
5.A.2.3	Wetlands converted to Forest Land - deadwood	CO2	-3,96	3,96	0,000	75,48%	0,000	0,000	0,995
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CO2	76,04	76,04	0,003	3,86%	0,000	0,000	0,995
1.A.3.B	Road Transport - Liquid Fuels	CH4	7,26	7,26	0,000	40,31%	0,000	0,000	0,996
5.D.2	Land converted to Wetlands (Organic soils managed for peat extraction)	N2O	0,91	0,91	0,000	312,54%	0,000	0,000	0,996
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CO2	114,25	114,25	0,004	2,48%	0,000	0,000	0,996
5.A.2.2	Grassland converted to Forest Land - net carbon stock change in organic soils	CO2	1,24	1,24	0,000	222,41%	0,000	0,000	0,996

5.A.2.4	Settlements converted to Forest Land - deadwood	CO2	-2,87	2,87	0,000	92,79%	0,000	0,000	0,997
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CO2	68,67	68,67	0,003	3,86%	0,000	0,000	0,997
2.F.1.6	Mobile Air-Conditioning - Passenger Cars	HFCs	23,43	23,43	0,001	9,86%	0,000	0,000	0,997
4.B	Manure Management -Non-Dairy Cattle	CH4	8,03	8,03	0,000	26,93%	0,000	0,000	0,997
4.D.1.6	Direct Soil Emissions - Sludge	N2O	2,52	2,52	0,000	79,63%	0,000	0,000	0,998
2.F.1.3	Transport Refrigeration - Refrigerated Vehicles	HFCs	14,29	14,29	0,001	9,86%	0,000	0,000	0,998
2.A.7.1	Glass Production	CO2	9,58	9,58	0,000	14,14%	0,000	0,000	0,998
5.A.2.4	Settlements converted to Forest Land - net carbon stock change in organic soils	CO2	0,46	0,46	0,000	280,02%	0,000	0,000	0,998
2.A.2	Lime Production	CO2	17,71	17,71	0,001	7,07%	0,000	0,000	0,998
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CO2	3,02	3,02	0,000	39,04%	0,000	0,000	0,998
1.A.4.a	Other Sectors/Commercial - Biomass	CH4	0,74	0,74	0,000	150,33%	0,000	0,000	0,998
2.F.2	...One Component PU Foam	HFCs	7,39	7,39	0,000	15,00%	0,000	0,000	0,998
1.A.5	Other - Liquid Fuels	CO2	40,86	40,86	0,002	2,48%	0,000	0,000	0,998
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CO2	37,68	37,68	0,001	2,48%	0,000	0,000	0,998
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CH4	1,59	1,59	0,000	50,25%	0,000	0,000	0,999
4.B	Manure Management - Poultry	CH4	3,35	3,35	0,000	22,36%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Solid Fuels	CH4	1,48	1,48	0,000	50,25%	0,000	0,000	0,999
4.A	Enteric Fermentation - Horses	CH4	2,57	2,57	0,000	26,93%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	N2O	1,13	1,13	0,000	60,21%	0,000	0,000	0,999
1.A.3.D	Navigation - Liquid Fuels	CO2	23,39	23,39	0,001	2,48%	0,000	0,000	0,999
2.F.1.6	Mobile Air-Conditioning - Wheel Tractors and Mobile Machinery	HFCs	3,27	3,27	0,000	17,61%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	N2O	0,93	0,93	0,000	60,21%	0,000	0,000	0,999
2.F.1.6	Mobile Air-Conditioning - Trucks	HFCs	4,72	4,72	0,000	9,86%	0,000	0,000	0,999
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CO2	1,17	1,17	0,000	39,04%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CO2	1,15	1,15	0,000	39,04%	0,000	0,000	0,999
1.A.2	Manufacturing Industries and Constructions - Other Fuels	N2O	0,70	0,70	0,000	60,21%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	N2O	0,51	0,51	0,000	75,17%	0,000	0,000	0,999

1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	N2O	0,60	0,60	0,000	60,21%	0,000	0,000	0,999
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	N2O	0,57	0,57	0,000	60,21%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	N2O	0,57	0,57	0,000	60,21%	0,000	0,000	0,999
1.A.5	Other - Liquid Fuels	N2O	0,67	0,67	0,000	50,25%	0,000	0,000	0,999
6.B.2	Domestic and Commercial Wastewater (anaerobic)	CH4	0,77	0,77	0,000	42,72%	0,000	0,000	0,999
1.A.4.c	Other Sectors/Agriculture- Biomass	CH4	0,21	0,21	0,000	150,33%	0,000	0,000	0,999
2.F.4	...Metered Dose Inhalers	HFCs	2,89	2,89	0,000	10,00%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CH4	0,53	0,53	0,000	50,25%	0,000	0,000	0,999
3.D	Solvent and Other Product Use	N2O	4,80	4,80	0,000	5,39%	0,000	0,000	0,999
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CO2	6,65	6,65	0,000	3,86%	0,000	0,000	0,999
2.F.1.5	Stationary Air-Conditioning - Heat Pumps	HFCs	2,43	2,43	0,000	10,30%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CH4	0,48	0,48	0,000	50,25%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CO2	9,58	9,58	0,000	2,48%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Solid Fuels	N2O	0,45	0,45	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Biomass	N2O	0,15	0,15	0,000	150,33%	0,000	0,000	1,000
2.F.3	Fire Extinguishers	HFCs	1,55	1,55	0,000	14,14%	0,000	0,000	1,000
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CH4	0,36	0,36	0,000	60,21%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Buses	HFCs	2,11	2,11	0,000	10,03%	0,000	0,000	1,000
5 (IV)	Liming	CO2	0,73	0,73	0,000	29,15%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Ships	HFCs	4,08	4,08	0,000	5,00%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	N2O	0,40	0,40	0,000	50,25%	0,000	0,000	1,000
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CH4	0,39	0,39	0,000	50,25%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CH4	0,38	0,38	0,000	50,25%	0,000	0,000	1,000
2.F.8	Electrical equipment	SF6	1,76	1,76	0,000	10,44%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	CH4	0,30	0,30	0,000	60,21%	0,000	0,000	1,000
2.A.7.2a	Ceramics Production - Bricks and Tiles	CO2	1,62	1,62	0,000	11,18%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	N2O	0,28	0,28	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print- Gaseous Fuels	CO2	4,34	4,34	0,000	3,86%	0,000	0,000	1,000

1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CH4	0,31	0,31	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CO2	5,97	5,97	0,000	2,48%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CH4	0,29	0,29	0,000	50,25%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CH4	0,24	0,24	0,000	50,25%	0,000	0,000	1,000
4.A	Enteric Fermentation - Goats	CH4	0,43	0,43	0,000	26,93%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CO2	2,97	2,97	0,000	3,86%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CO2	4,40	4,40	0,000	2,48%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CO2	2,53	2,53	0,000	3,86%	0,000	0,000	1,000
5 (V)	Biomass Burning	CH4	0,07	0,07	0,000	133,76%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	CH4	0,22	0,22	0,000	40,31%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CO2	2,20	2,20	0,000	3,86%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Reefer Containers	HFCs	0,87	0,87	0,000	9,78%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CH4	0,15	0,15	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Sheep	CH4	0,31	0,31	0,000	22,36%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CH4	0,13	0,13	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Biomass	N2O	0,04	0,04	0,000	150,33%	0,000	0,000	1,000
4.A	Enteric Fermentation - Fur animals	CH4	0,12	0,12	0,000	50,99%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	N2O	0,04	0,04	0,000	150,08%	0,000	0,000	1,000
6.C	Waste incineration	N2O	0,05	0,05	0,000	100,12%	0,000	0,000	1,000
4.B	Manure Management - Horses	CH4	0,20	0,20	0,000	22,36%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CO2	1,80	1,80	0,000	2,48%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	N2O	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Fur animals	CH4	0,16	0,16	0,000	22,36%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CH4	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	N2O	0,06	0,06	0,000	50,25%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Railcars	HFCs	0,26	0,26	0,000	9,86%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	N2O	0,04	0,04	0,000	60,21%	0,000	0,000	1,000

1.A.5	Other - Liquid Fuels	CH4	0,05	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	N2O	0,04	0,04	0,000	50,25%	0,000	0,000	1,000
2.F.1.1	Domestic Refrigeration	HFCs	0,14	0,14	0,000	14,14%	0,000	0,000	1,000
5 (V)	Biomass Burning	N2O	0,01	0,01	0,000	133,76%	0,000	0,000	1,000
2.F.2	...XPS Insulation Foam	HFCs	0,07	0,07	0,000	22,36%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CO2	0,58	0,58	0,000	2,48%	0,000	0,000	1,000
2.F.2	...PU Insulation Panels	HFCs	0,10	0,10	0,000	14,14%	0,000	0,000	1,000
2.F.9	Other Electrical Equipment	SF6	0,05	0,05	0,000	29,70%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CH4	0,03	0,03	0,000	40,31%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	N2O	0,02	0,02	0,000	75,17%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	CH4	0,01	0,01	0,000	100,12%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CH4	0,02	0,02	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	N2O	0,02	0,02	0,000	50,25%	0,000	0,000	1,000
2.A.4.2	Soda Ash Use	CO2	0,08	0,08	0,000	11,18%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CO2	0,22	0,22	0,000	3,86%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	N2O	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	N2O	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CO2	0,25	0,25	0,000	2,48%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	N2O	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	N2O	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals -	N2O	0,01	0,01	0,000	60,21%	0,000	0,000	1,000

	Liquid Fuels								
1.A.4.a	Other Sectors/Commercial - Solid Fuels	N2O	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	CH4	0,01	0,01	0,000	25,50%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Goats	CH4	0,01	0,01	0,000	22,36%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CH4	0,00	0,00	0,000	40,31%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	N2O	0,00	0,00	0,000	25,50%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000

1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	N2O	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
2.F.2	...Spray and Injection PU Foam	HFCs	0,00	0,00	0,000	14,14%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CO2	0,00	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000

	Print - Solid Fuels								
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CH4	0,00	0,00	0,000	40,31%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	N2O	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	N2O	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
2.B.1	Ammonia Production	CO2	0,00	0,00	0,000	11,18%	0,000	0,000	1,000
2.F.2	...PU Integral Skin Foam	HFCs	0,00	0,00	0,000	3,00%	0,000	0,000	1,000
2.F.4	...General and Novelty Aerosols	HFCs	0,00	0,00	0,000	10,00%	0,000	0,000	1,000
4.B	Manure Management - Anaerobic Lagoon	N2O	0,00	0,00	0,000	103,56%	0,000	0,000	1,000
4.B	Manure Management - Other AWMS	N2O	0,00	0,00	0,000	103,56%	0,000	0,000	1,000
4.F.1	Field Burning of Agricultural Residues - Cereals	CH4	0,00	0,00	0,000	44,72%	0,000	0,000	1,000
4.F.1	Field Burning of Agricultural Residues - Cereals	N2O	0,00	0,00	0,000	35,23%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	CH4	0,00	0,00	0,000	44,72%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	N2O	0,00	0,00	0,000	35,23%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	CH4	0,00	0,00	0,000	44,72%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	N2O	0,00	0,00	0,000	35,23%	0,000	0,000	1,000
5.D.2	Land converted to Wetlands - living biomass	CO2	0,00	0,00	0,000	97,83%	0,000	0,000	1,000
5.E.2.3	Grassland converted to Settlements – living biomass	CO2	0,00	0,00	0,000	160,30%	0,000	0,000	1,000
5.E.2.3	Grassland converted to Settlements – deadwood	CO2	0,00	0,00	0,000	310,24%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – living biomass	CO2	0,00	0,00	0,000	92,75%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – dead organic matter	CO2	0,00	0,00	0,000	94,35%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – net carbon stock change in soils	CO2	0,00	0,00	0,000	215,40%	0,000	0,000	1,000
5 (V)	Biomass Burning	CO2	0,00	0,00	0,000	133,76%	0,000	0,000	1,000

Table 5. Tier 2 trend assessment excluding LULUCF

	IPCC Source Category	Gas	Emissions 1990	Emissions 2010	Txt	Uxt	Tier 2 trend assessment	Normalised Tier 2 trend assessment	Cumulative total of column I
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CO2	21823,68	12544,63	0,154	39,04%	0,060	0,251	0,251
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CO2	84,05	673,78	0,061	39,04%	0,024	0,100	0,352
4.D.3.2	Indirect Emissions - Nitrogen Leaching and Run-off	N2O	490,93	197,53	0,005	415,98%	0,020	0,083	0,434
6.A	Solid Waste Disposal on Land	CH4	181,57	262,45	0,017	83,67%	0,014	0,058	0,493
1.A.4.b	Other Sectors/Residential - Biomass	CH4	33,67	111,52	0,009	150,33%	0,014	0,058	0,550
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CO2	620,79	0,00	0,030	39,04%	0,012	0,049	0,600
1.A.4.b	Other Sectors/Residential - Solid Fuels	CO2	669,20	34,34	0,029	39,04%	0,011	0,048	0,648
6.D	Biological Treatment	N2O	0,66	72,82	0,007	100,50%	0,007	0,030	0,677
6.D	Biological Treatment	CH4	0,60	65,78	0,006	100,50%	0,006	0,027	0,704
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CO2	792,78	246,90	0,015	39,04%	0,006	0,024	0,728
4.D.1.3	Direct Soil Emissions - N-fixing Crops	N2O	247,95	56,88	0,007	80,00%	0,005	0,022	0,750
4.A	Enteric Fermentation - Non-Dairy Cattle	CH4	523,94	158,59	0,010	50,99%	0,005	0,022	0,771
6.B.1	Industrial Wastewater	CH4	106,73	5,25	0,005	107,35%	0,005	0,021	0,793
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CO2	4825,04	376,58	0,199	2,48%	0,005	0,021	0,813
4.D.1.4	Direct Soil Emissions - Crop Residue	N2O	204,09	54,11	0,005	80,00%	0,004	0,016	0,829
4.D.1.1	Direct Soil Emissions - Synthetic Fertilizers	N2O	394,80	156,89	0,004	85,59%	0,003	0,014	0,843
4.B	Manure Management - Solid Storage and Dry Lot	N2O	255,14	97,12	0,003	103,56%	0,003	0,013	0,856
4.D.1.5	Direct Soil Emissions - Cultivation of Histosols	N2O	87,76	81,74	0,004	80,00%	0,003	0,012	0,869
1.A.4.b	Other Sectors/Residential - Biomass	N2O	6,63	21,95	0,002	150,33%	0,003	0,011	0,880
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CO2	0,00	44,08	0,004	60,21%	0,003	0,011	0,891
2.B.1	Ammonia Production	CO2	420,05	0,00	0,020	11,18%	0,002	0,010	0,900
1.A.3.B	Road Transport - Liquid Fuels	CO2	2267,21	2052,69	0,089	2,48%	0,002	0,009	0,909
4.D.2	Pasture, Range and Paddock Manure	N2O	192,10	74,92	0,002	103,56%	0,002	0,009	0,918
4.D.1.2	Direct Soil Emissions - Animal Manure Applied to Soils	N2O	207,41	84,21	0,002	93,41%	0,002	0,008	0,926
4.A	Enteric Fermentation - Dairy Cattle	CH4	585,59	264,21	0,003	50,99%	0,001	0,006	0,932
6.B.2.2	Domestic and Commercial Wastewater - human sewage	N2O	43,34	34,69	0,001	100,12%	0,001	0,005	0,937
6.B.2	Domestic and Commercial Wastewater (anaerobic)	N2O	37,92	30,36	0,001	101,50%	0,001	0,005	0,942
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	N2O	3,03	20,04	0,002	60,21%	0,001	0,005	0,947

4.D.3.1	Indirect Emissions - Atmospheric Deposition	N2O	95,80	38,50	0,001	115,11%	0,001	0,004	0,951
2.F.1.2	Commercial Refrigeration	HFCs	0,00	45,04	0,004	22,36%	0,001	0,004	0,955
2.F.1.4	Industrial Refrigeration	HFCs	0,00	27,10	0,003	30,02%	0,001	0,003	0,959
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CO2	549,87	37,68	0,023	2,48%	0,001	0,002	0,961
1.A.4.b	Other Sectors/Residential - Solid Fuels	CH4	25,92	1,48	0,001	50,25%	0,001	0,002	0,963
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	CH4	1,54	10,18	0,001	60,21%	0,001	0,002	0,966
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CO2	438,64	4,40	0,021	2,48%	0,001	0,002	0,968
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	N2O	3,98	9,48	0,001	60,21%	0,000	0,002	0,970
2.F.1.5	Stationary Air-Conditioning - Stationary and Room Air-Conditioning	HFCs	0,00	16,58	0,002	23,43%	0,000	0,002	0,971
2.A.1	Cement Production	CO2	483,04	310,43	0,007	5,39%	0,000	0,001	0,973
1.A.3.B	Road Transport - Liquid Fuels	N2O	22,43	18,30	0,001	50,25%	0,000	0,001	0,974
2.A.2	Lime Production	CO2	131,30	17,71	0,005	7,07%	0,000	0,001	0,976
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CO2	16,08	0,00	0,001	39,04%	0,000	0,001	0,977
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	N2O	11,72	0,93	0,000	60,21%	0,000	0,001	0,978
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CO2	165,88	6,65	0,007	3,86%	0,000	0,001	0,979
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CO2	116,28	126,40	0,007	3,86%	0,000	0,001	0,980
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CO2	20,34	76,04	0,006	3,86%	0,000	0,001	0,981
2.F.1.6	Mobile Air-Conditioning - Passenger Cars	HFCs	0,00	23,43	0,002	9,86%	0,000	0,001	0,982
1.A.3.C	Railways - Solid Fuels	CO2	11,46	0,00	0,001	39,04%	0,000	0,001	0,983
1.B.2	Oil and Natural Gas	CH4	181,10	83,19	0,001	26,93%	0,000	0,001	0,984
1.A.3.C	Railway - Liquid Fuels	CO2	143,06	155,82	0,008	2,48%	0,000	0,001	0,985
1.A.4.b	Other Sectors/Residential - Solid Fuels	N2O	8,72	0,45	0,000	50,25%	0,000	0,001	0,986
4.D.1.6	Direct Soil Emissions - Sludge	N2O	0,20	2,52	0,000	79,63%	0,000	0,001	0,986
4.B	Manure Management -Non-Dairy Cattle	CH4	26,75	8,03	0,001	26,93%	0,000	0,001	0,987
6.B.2	Domestic and Commercial Wastewater (anaerobic)	CH4	8,13	0,77	0,000	42,72%	0,000	0,001	0,988
2.F.1.3	Transport Refrigeration - Refrigerated Vehicles	HFCs	0,00	14,29	0,001	9,86%	0,000	0,001	0,988
2.A.7.1	Glass Production	CO2	1,23	9,58	0,001	14,14%	0,000	0,001	0,989
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CO2	324,97	114,25	0,005	2,48%	0,000	0,000	0,989
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CO2	0,00	3,02	0,000	39,04%	0,000	0,000	0,990

1.A.4.a	Other Sectors/Commercial - Solid Fuels	CO2	8,07	1,15	0,000	39,04%	0,000	0,000	0,990
4.F.1	Field Burning of Agricultural Residues - Cereals	CH4	4,98	0,00	0,000	44,72%	0,000	0,000	0,991
2.F.2	...One Component PU Foam	HFCs	0,00	7,39	0,001	15,00%	0,000	0,000	0,991
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CO2	477,16	198,82	0,004	2,48%	0,000	0,000	0,991
6.C	Waste incineration	N2O	2,06	0,05	0,000	100,12%	0,000	0,000	0,992
1.A.3.B	Road Transport - Liquid Fuels	CH4	19,08	7,26	0,000	40,31%	0,000	0,000	0,992
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CO2	4,62	0,00	0,000	39,04%	0,000	0,000	0,993
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CH4	3,97	0,31	0,000	50,25%	0,000	0,000	0,993
1.A.4.a	Other Sectors/Commercial - Biomass	CH4	2,49	0,74	0,000	150,33%	0,000	0,000	0,993
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CO2	99,68	68,67	0,002	3,86%	0,000	0,000	0,994
3	Solvent and Other Product Use (indirect CO2 emissions from NMVOC)	CO2	20,77	12,84	0,000	26,93%	0,000	0,000	0,994
1.A.4.c	Other Sectors/Agriculture - Biomass	CH4	1,25	0,21	0,000	150,33%	0,000	0,000	0,994
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CO2	1968,74	1004,66	0,002	3,86%	0,000	0,000	0,994
2.F.1.6	Mobile Air-Conditioning - Wheel Tractors and Mobile Machinery	HFCs	0,00	3,27	0,000	17,61%	0,000	0,000	0,995
4.B	Manure Management - Dairy Cattle	CH4	46,25	21,14	0,000	26,93%	0,000	0,000	0,995
4.A	Enteric Fermentation - Swine	CH4	17,49	7,70	0,000	50,99%	0,000	0,000	0,995
2.A.7.2a	Ceramics Production - Bricks and Tiles	CO2	12,30	1,62	0,000	11,18%	0,000	0,000	0,995
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CH4	1,28	1,59	0,000	50,25%	0,000	0,000	0,995
1.A.5	Other - Liquid Fuels	CO2	43,61	40,86	0,002	2,48%	0,000	0,000	0,996
2.F.1.6	Mobile Air-Conditioning - Trucks	HFCs	0,00	4,72	0,000	9,86%	0,000	0,000	0,996
4.B	Manure Management - Liquid system	N2O	7,98	3,57	0,000	103,56%	0,000	0,000	0,996
4.B	Manure Management - Poultry	CH4	10,71	3,35	0,000	22,36%	0,000	0,000	0,996
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CH4	2,31	0,29	0,000	50,25%	0,000	0,000	0,996
1.A.2	Manufacturing Industries and Constructions - Other Fuels	N2O	0,00	0,70	0,000	60,21%	0,000	0,000	0,996
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	N2O	3,59	1,13	0,000	60,21%	0,000	0,000	0,997
4.A	Enteric Fermentation - Sheep	CH4	23,49	13,20	0,000	26,93%	0,000	0,000	0,997
4.B	Manure Management - Swine	CH4	34,86	16,11	0,000	26,93%	0,000	0,000	0,997
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	N2O	1,11	0,01	0,000	60,21%	0,000	0,000	0,997
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	N2O	43,64	21,48	0,000	75,17%	0,000	0,000	0,997

1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	N2O	0,11	0,60	0,000	60,21%	0,000	0,000	0,997
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	N2O	0,10	0,57	0,000	60,21%	0,000	0,000	0,997
1.A.3.D	Navigation - Liquid Fuels	CO2	21,86	23,39	0,001	2,48%	0,000	0,000	0,998
2.F.4	...Metered Dose Inhalers	HFCs	0,00	2,89	0,000	10,00%	0,000	0,000	0,998
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CH4	1,05	0,00	0,000	50,25%	0,000	0,000	0,998
3.D	Solvent and Other Product Use	N2O	0,00	4,80	0,000	5,39%	0,000	0,000	0,998
4.A	Enteric Fermentation - Horses	CH4	3,25	2,57	0,000	26,93%	0,000	0,000	0,998
2.F.1.5	Stationary Air-Conditioning - Heat Pumps	HFCs	0,00	2,43	0,000	10,30%	0,000	0,000	0,998
2.F.3	Fire Extinguishers	HFCs	0,00	1,55	0,000	14,14%	0,000	0,000	0,998
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CH4	0,00	0,36	0,000	60,21%	0,000	0,000	0,998
2.F.1.6	Mobile Air-Conditioning - Buses	HFCs	0,00	2,11	0,000	10,03%	0,000	0,000	0,998
2.F.1.6	Mobile Air-Conditioning - Ships	HFCs	0,00	4,08	0,000	5,00%	0,000	0,000	0,998
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CO2	14,79	2,53	0,000	3,86%	0,000	0,000	0,999
2.F.8	Electrical equipment	SF6	0,00	1,76	0,000	10,44%	0,000	0,000	0,999
4.F.1	Field Burning of Agricultural Residues - Cereals	N2O	1,02	0,00	0,000	35,23%	0,000	0,000	0,999
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CH4	0,07	0,39	0,000	50,25%	0,000	0,000	0,999
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous	CO2	0,00	4,34	0,000	3,86%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	CH4	0,06	0,30	0,000	60,21%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CH4	1,71	0,53	0,000	50,25%	0,000	0,000	0,999
1.A.4.a	Other Sectors/Commercial - Biomass	N2O	0,49	0,15	0,000	150,33%	0,000	0,000	0,999
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CO2	3,07	1,17	0,000	39,04%	0,000	0,000	0,999
1.A.5	Other - Liquid Fuels	N2O	0,77	0,67	0,000	50,25%	0,000	0,000	0,999
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CH4	1,53	0,48	0,000	50,25%	0,000	0,000	0,999
1.A.4.c	Other Sectors/Agriculture - Biomass	N2O	0,25	0,04	0,000	150,33%	0,000	0,000	0,999
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CO2	0,00	2,97	0,000	3,86%	0,000	0,000	0,999
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	CH4	0,51	0,00	0,000	44,72%	0,000	0,000	0,999
1.A.3.C	Railway - Liquid Fuels	N2O	0,36	0,40	0,000	50,25%	0,000	0,000	0,999
4.A	Enteric Fermentation - Goats	CH4	0,09	0,43	0,000	26,93%	0,000	0,000	0,999
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CH4	0,35	0,00	0,000	50,25%	0,000	0,000	0,999

1.A.4.b	Other Sectors/Residential - Liquid Fuels	N2O	1,24	0,51	0,000	75,17%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Reefer Containers	HFCs	0,00	0,87	0,000	9,78%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CH4	0,32	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	N2O	0,80	0,28	0,000	60,21%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CH4	0,22	0,24	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CH4	0,04	0,15	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CH4	0,25	0,00	0,000	50,25%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	N2O	0,31	0,00	0,000	35,23%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	N2O	0,20	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	N2O	0,00	0,04	0,000	150,08%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	CH4	0,20	0,22	0,000	40,31%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	N2O	0,13	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	CH4	0,10	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CO2	5,69	1,80	0,000	2,48%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	N2O	0,09	0,00	0,000	60,21%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Railcars	HFCs	0,00	0,26	0,000	9,86%	0,000	0,000	1,000
2.F.1.1	Domestic Refrigeration	HFCs	0,00	0,14	0,000	14,14%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	N2O	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	N2O	0,01	0,04	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	N2O	0,07	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CH4	0,19	0,13	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Horses	CH4	0,25	0,20	0,000	22,36%	0,000	0,000	1,000
2.F.2	...XPS Insulation Foam	HFCs	0,00	0,07	0,000	22,36%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid fuels	N2O	0,06	0,06	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CO2	0,00	0,58	0,000	2,48%	0,000	0,000	1,000
2.F.2	...PU Insulation Panels	HFCs	0,00	0,10	0,000	14,14%	0,000	0,000	1,000

2.F.9	Other Electrical Equipment	SF6	0,00	0,05	0,000	29,70%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CO2	3,68	2,20	0,000	3,86%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	N2O	0,06	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	N2O	0,05	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CH4	0,18	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	CH4	0,00	0,01	0,000	100,12%	0,000	0,000	1,000
1.A.5	Other - Liquid Fuels	CH4	0,05	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CH4	0,05	0,00	0,000	50,25%	0,000	0,000	1,000
2.A.4.2	Soda Ash Use	CO2	0,00	0,08	0,000	11,18%	0,000	0,000	1,000
4.A	Enteric Fermentation - Fur animals	CH4	0,20	0,12	0,000	50,99%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CO2	0,00	0,22	0,000	3,86%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	N2O	0,00	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CO2	12,50	5,97	0,000	2,48%	0,000	0,000	1,000
4.B	Manure Management - Sheep	CH4	0,56	0,31	0,000	22,36%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CH4	0,03	0,03	0,000	40,31%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	N2O	0,06	0,04	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	N2O	0,02	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CO2	0,00	0,25	0,000	2,48%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	N2O	0,03	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	N2O	1,11	0,57	0,000	60,21%	0,000	0,000	1,000
4.B	Manure Management - Fur animals	CH4	0,27	0,16	0,000	22,36%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	N2O	0,00	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CH4	0,02	0,00	0,000	40,31%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	N2O	0,06	0,02	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CH4	0,03	0,00	0,000	50,25%	0,000	0,000	1,000

1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CO2	18,73	9,58	0,000	2,48%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	N2O	0,05	0,02	0,000	75,17%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	CH4	0,00	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CH4	0,00	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CH4	0,75	0,38	0,000	50,25%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	CH4	0,00	0,01	0,000	25,50%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CH4	0,00	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CH4	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CH4	0,01	0,00	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Goats	CH4	0,00	0,01	0,000	22,36%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	N2O	0,01	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CH4	0,05	0,02	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	N2O	0,01	0,00	0,000	60,21%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	N2O	0,00	0,00	0,000	25,50%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CH4	0,01	0,00	0,000	40,31%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
2.F.2	...Spray and Injection PU Foam	HFCs	0,00	0,00	0,000	14,14%	0,000	0,000	1,000

1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CH4	0,01	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CH4	0,01	0,00	0,000	50,25%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	CH4	0,00	0,00	0,000	44,72%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	N2O	0,00	0,00	0,000	35,23%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	N2O	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CO2	0,00	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	CH4	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CO2	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CH4	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	N2O	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
2.F.2	...PU Integral Skin Foam	HFCs	0,00	0,00	0,000	3,00%	0,000	0,000	1,000

2.F.4	...General and Novelty Aerosols	HFCs	0,00	0,00	0,000	10,00%	0,000	0,000	1,000
4.B	Manure Management - Anaerobic Lagoon	N2O	0,00	0,00	0,000	103,56%	0,000	0,000	1,000
4.B	Manure Management - Other AWMS	N2O	0,00	0,00	0,000	103,56%	0,000	0,000	1,000

Table 6. Tier 2 trend assessment including LULUCF

	IPCC Source Category	Gas	Emissions 1990	Emissions 2010	Absolute value (2010)	Txt	Uxt	Tier 2 trend assessment	Normalised Tier 2 trend assessment	Cumulative total of column I
5.A.1	Forest Land remaining Forest Land - living biomass	CO2	-9273,77	-1428,73	1428,73	0,393	47,00%	0,185	0,256	0,256
5.A.2.2	Grassland converted to Forest Land - net carbon stock change in living biomass	CO2	-20,16	-1842,96	1842,96	0,206	64,83%	0,133	0,185	0,441
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CO2	21823,68	12544,63	12544,63	0,105	39,04%	0,041	0,057	0,498
4.D.3.2	Indirect Emissions - Nitrogen Leaching and Run-off	N2O	490,93	197,53	197,53	0,007	415,98%	0,030	0,041	0,539
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CO2	84,05	673,78	673,78	0,071	39,04%	0,028	0,038	0,577
5.C.2	Land converted to Grassland - net carbon stock change in living biomass	CO2	0,00	-341,90	341,90	0,038	57,96%	0,022	0,031	0,608
5.E.2.1	Forest Land converted to Settlements – living biomass	CO2	0,00	281,77	281,77	0,032	66,00%	0,021	0,029	0,637
5.A.2.1	Cropland converted to Forest Land - net carbon stock change in living biomass	CO2	0,00	-243,89	243,89	0,027	62,58%	0,017	0,024	0,661
1.A.4.b	Other Sectors/Residential - Biomass	CH4	33,67	111,52	111,52	0,011	150,33%	0,016	0,022	0,683
6.A	Solid Waste Disposal on Land	CH4	181,57	262,45	262,45	0,019	83,67%	0,016	0,022	0,704
5.C.1	Grassland remaining Grassland - living biomass	CO2	-249,43	141,58	141,58	0,031	48,68%	0,015	0,021	0,725
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CO2	620,79	0,00	0,00	0,037	39,04%	0,014	0,020	0,745
1.A.4.b	Other Sectors/Residential - Solid Fuels	CO2	669,20	34,34	34,34	0,036	39,04%	0,014	0,020	0,765
5.A.1	Forest Land remaining Forest Land - net carbon stock change in organic soils	CO2	129,54	128,47	128,47	0,007	200,09%	0,013	0,019	0,783
5.A.2.5	Other Land converted to Forest Land - net carbon stock change in living biomass	CO2	0,00	-172,27	172,27	0,019	66,75%	0,013	0,018	0,801
5.A.1	Forest Land remaining Forest Land - deadwood	CO2	-124,49	-309,13	309,13	0,027	30,18%	0,008	0,011	0,812
6.D	Biological Treatment	N2O	0,66	72,82	72,82	0,008	100,50%	0,008	0,011	0,824
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CO2	792,78	246,90	246,90	0,020	39,04%	0,008	0,011	0,834
6.D	Biological Treatment	CH4	0,60	65,78	65,78	0,007	100,50%	0,007	0,010	0,845
4.A	Enteric Fermentation - Non-Dairy Cattle	CH4	523,94	158,59	158,59	0,013	50,99%	0,007	0,010	0,854
4.D.1.3	Direct Soil Emissions - N-fixing Crops	N2O	247,95	56,88	56,88	0,008	80,00%	0,007	0,009	0,863
5.A.2.4	Settlements converted to Forest Land - net carbon stock change in living biomass	CO2	0,00	-46,52	46,52	0,005	119,49%	0,006	0,009	0,872

6.B.1	Industrial Wastewater	CH4	106,73	5,25	5,25	0,006	107,35%	0,006	0,009	0,881
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CO2	4825,04	376,58	376,58	0,246	2,48%	0,006	0,008	0,889
4.D.1.1	Direct Soil Emissions - Synthetic Fertilizers	N2O	394,80	156,89	156,89	0,006	85,59%	0,005	0,007	0,896
4.D.1.4	Direct Soil Emissions - Crop Residue	N2O	204,09	54,11	54,11	0,006	80,00%	0,005	0,007	0,903
5.A.2.3	Wetlands converted to Forest Land -living biomass	CO2	0,00	-41,72	41,72	0,005	98,28%	0,005	0,006	0,909
4.B	Manure Management - Solid Storage and Dry Lot	N2O	255,14	97,12	97,12	0,004	103,56%	0,004	0,006	0,916
5.B.1	Cropland remaining Cropland - net carbon stock change in organic soils	CO2	82,75	75,15	75,15	0,003	95,24%	0,003	0,005	0,920
4.D.2	Pasture, Range and Paddock Manure	N2O	192,10	74,92	74,92	0,003	103,56%	0,003	0,004	0,925
4.D.1.5	Direct Soil Emissions - Cultivation of Histosols	N2O	87,76	81,74	81,74	0,004	80,00%	0,003	0,004	0,929
1.A.4.b	Other Sectors/Residential - Biomass	N2O	6,63	21,95	21,95	0,002	150,33%	0,003	0,004	0,933
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CO2	0,00	44,08	44,08	0,005	60,21%	0,003	0,004	0,937
2.B.1	Ammonia Production	CO2	420,05	0,00	0,00	0,025	11,18%	0,003	0,004	0,941
4.D.1.2	Direct Soil Emissions - Animal Manure Applied to Soils	N2O	207,41	84,21	84,21	0,003	93,41%	0,003	0,004	0,945
4.A	Enteric Fermentation - Dairy Cattle	CH4	585,59	264,21	264,21	0,005	50,99%	0,003	0,004	0,949
5.D.1	Wetlands remaining Wetlands (Organic soils managed for peat extraction)	CO2	12,20	13,62	13,62	0,001	316,41%	0,003	0,004	0,952
1.A.3.B	Road Transport - Liquid Fuels	CO2	2267,21	2052,69	2052,69	0,095	2,48%	0,002	0,003	0,956
5.B.1	Cropland remaining Cropland - net carbon stock change in living biomass	CO2	-0,49	25,40	25,40	0,003	57,05%	0,002	0,002	0,958
4.D.3.1	Indirect Emissions - Atmospheric Deposition	N2O	95,80	38,50	38,50	0,001	115,11%	0,002	0,002	0,960
5.C.1	Grassland remaining Grassland - net carbon stock change in organic soils	CO2	33,52	31,10	31,10	0,001	93,08%	0,001	0,002	0,962
6.B.2.2	Domestic and Commercial Wastewater - human sewage	N2O	43,34	34,69	34,69	0,001	100,12%	0,001	0,002	0,964
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	N2O	3,03	20,04	20,04	0,002	60,21%	0,001	0,002	0,966
6.B.2	Domestic and Commercial Wastewater (anaerobic)	N2O	37,92	30,36	30,36	0,001	101,50%	0,001	0,002	0,967
5.E.2.1	Forest Land converted to Settlements – net carbon stock change in soils	CO2	0,00	4,44	4,44	0,000	228,96%	0,001	0,002	0,969
2.F.1.2	Commercial Refrigeration	HFCs	0,00	45,04	45,04	0,005	22,36%	0,001	0,002	0,970
5.A.2.2	Grassland converted to Forest Land - dead wood	CO2	-0,10	-24,00	24,00	0,003	41,78%	0,001	0,002	0,972
5 (IV)	Liming	CO2	59,84	0,73	0,73	0,003	29,15%	0,001	0,001	0,973
5.A.2.1	Cropland converted to Forest Land - deadwood	CO2	0,00	-16,27	16,27	0,002	52,05%	0,001	0,001	0,975
2.F.1.4	Industrial Refrigeration	HFCs	0,00	27,10	27,10	0,003	30,02%	0,001	0,001	0,976

5.E.2.1	Forest Land converted to Settlements – dead organic matter	CO2	0,00	12,15	12,15	0,001	58,54%	0,001	0,001	0,977
5.A.2.5	Other Land converted to Forest Land - deadwood	CO2	0,00	-13,40	13,40	0,002	49,16%	0,001	0,001	0,978
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CO2	549,87	37,68	37,68	0,029	2,48%	0,001	0,001	0,979
1.A.4.b	Other Sectors/Residential - Solid Fuels	CH4	25,92	1,48	1,48	0,001	50,25%	0,001	0,001	0,980
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CO2	438,64	4,40	4,40	0,026	2,48%	0,001	0,001	0,981
1.A.1.a	Energy Industries/Electricity and Heat Production - Biomass	CH4	1,54	10,18	10,18	0,001	60,21%	0,001	0,001	0,982
5.A.2.3	Wetlands converted to Forest Land - organic soils	CO2	0,15	2,35	2,35	0,000	211,42%	0,001	0,001	0,982
5.C.2	Land converted to Grassland - net carbon stock change in soils	CO2	0,00	3,98	3,98	0,000	114,68%	0,001	0,001	0,983
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	N2O	3,98	9,48	9,48	0,001	60,21%	0,000	0,001	0,984
5.B.2.2	Grassland converted to Cropland - net carbon stock change in organic soils	CO2	0,00	1,92	1,92	0,000	215,67%	0,000	0,001	0,984
5.C.2	Land converted to Grassland - dead organic matter	CO2	0,00	-5,33	5,33	0,001	74,10%	0,000	0,001	0,985
2.F.1.5	Stationary Air-Conditioning - Stationary and Room Air-Conditioning	HFCs	0,00	16,58	16,58	0,002	23,43%	0,000	0,001	0,986
5.C.1	Grassland remaining Grassland - deadwood	CO2	0,38	9,82	9,82	0,001	39,88%	0,000	0,001	0,986
2.A.2	Lime Production	CO2	131,30	17,71	17,71	0,006	7,07%	0,000	0,001	0,987
1.B.2	Oil and Natural Gas	CH4	181,10	83,19	83,19	0,001	26,93%	0,000	0,001	0,987
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CO2	16,08	0,00	0,00	0,001	39,04%	0,000	0,001	0,988
1.A.3.B	Road Transport - Liquid Fuels	N2O	22,43	18,30	18,30	0,001	50,25%	0,000	0,000	0,988
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	N2O	11,72	0,93	0,93	0,001	60,21%	0,000	0,000	0,989
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CO2	165,88	6,65	6,65	0,009	3,86%	0,000	0,000	0,989
5.A.2.3	Wetlands converted to Forest Land - deadwood	CO2	0,00	-3,96	3,96	0,000	75,48%	0,000	0,000	0,990
2.A.1	Cement Production	CO2	483,04	310,43	310,43	0,006	5,39%	0,000	0,000	0,990
5.A.2.2	Grassland converted to Forest Land - net carbon stock change in organic soils	CO2	0,00	1,24	1,24	0,000	222,41%	0,000	0,000	0,991
5.A.2.4	Settlements converted to Forest Land - deadwood	CO2	0,00	-2,87	2,87	0,000	92,79%	0,000	0,000	0,991
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CO2	20,34	76,04	76,04	0,007	3,86%	0,000	0,000	0,992
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CO2	116,28	126,40	126,40	0,007	3,86%	0,000	0,000	0,992

1.A.3.C	Railways - Solid Fuels	CO2	11,46	0,00	0,00	0,001	39,04%	0,000	0,000	0,992
2.F.1.6	Mobile Air-Conditioning - Passenger Cars	HFCs	0,00	23,43	23,43	0,003	9,86%	0,000	0,000	0,993
1.A.4.b	Other Sectors/Residential - Solid Fuels	N2O	8,72	0,45	0,45	0,000	50,25%	0,000	0,000	0,993
1.A.3.C	Railway - Liquid Fuels	CO2	143,06	155,82	155,82	0,009	2,48%	0,000	0,000	0,993
4.D.1.6	Direct Soil Emissions - Sludge	N2O	0,20	2,52	2,52	0,000	79,63%	0,000	0,000	0,994
4.B	Manure Management -Non-Dairy Cattle	CH4	26,75	8,03	8,03	0,001	26,93%	0,000	0,000	0,994
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CO2	1968,74	1004,66	1004,66	0,005	3,86%	0,000	0,000	0,994
6.B.2	Domestic and Commercial Wastewater (anaerobic)	CH4	8,13	0,77	0,77	0,000	42,72%	0,000	0,000	0,994
5.D.2	Land converted to Wetlands (Organic soils managed for peat extraction)	N2O	0,81	0,91	0,91	0,000	312,54%	0,000	0,000	0,995
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CO2	324,97	114,25	114,25	0,007	2,48%	0,000	0,000	0,995
2.F.1.3	Transport Refrigeration - Refrigerated Vehicles	HFCs	0,00	14,29	14,29	0,002	9,86%	0,000	0,000	0,995
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CO2	477,16	198,82	198,82	0,006	2,48%	0,000	0,000	0,995
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	N2O	43,64	21,48	21,48	0,000	75,17%	0,000	0,000	0,995
5.A.2.4	Settlements converted to Forest Land - net carbon stock change in organic soils	CO2	0,00	0,46	0,46	0,000	280,02%	0,000	0,000	0,996
2.A.7.1	Glass Production	CO2	1,23	9,58	9,58	0,001	14,14%	0,000	0,000	0,996
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CO2	8,07	1,15	1,15	0,000	39,04%	0,000	0,000	0,996
4.F.1	Field Burning of Agricultural Residues - Cereals	CH4	4,98	0,00	0,00	0,000	44,72%	0,000	0,000	0,996
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CO2	0,00	3,02	3,02	0,000	39,04%	0,000	0,000	0,996
1.A.3.B	Road Transport - Liquid Fuels	CH4	19,08	7,26	7,26	0,000	40,31%	0,000	0,000	0,997
2.F.2	...One Component PU Foam	HFCs	0,00	7,39	7,39	0,001	15,00%	0,000	0,000	0,997
6.C	Waste incineration	N2O	2,06	0,05	0,05	0,000	100,12%	0,000	0,000	0,997
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CO2	4,62	0,00	0,00	0,000	39,04%	0,000	0,000	0,997
4.B	Manure Management - Dairy Cattle	CH4	46,25	21,14	21,14	0,000	26,93%	0,000	0,000	0,997
1.A.1.a	Energy Industries/Electricity and Heat Production - Liquid Fuels	CH4	3,97	0,31	0,31	0,000	50,25%	0,000	0,000	0,997
1.A.4.a	Other Sectors/Commercial - Biomass	CH4	2,49	0,74	0,74	0,000	150,33%	0,000	0,000	0,997
4.A	Enteric Fermentation - Swine	CH4	17,49	7,70	7,70	0,000	50,99%	0,000	0,000	0,998
4.B	Manure Management - Liquid system	N2O	7,98	3,57	3,57	0,000	103,56%	0,000	0,000	0,998
1.A.4.c	Other Sectors/Agriculture- Biomass	CH4	1,25	0,21	0,21	0,000	150,33%	0,000	0,000	0,998

4.B	Manure Management - Swine	CH4	34,86	16,11	16,11	0,000	26,93%	0,000	0,000	0,998
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CO2	99,68	68,67	68,67	0,002	3,86%	0,000	0,000	0,998
2.F.1.6	Mobile Air-Conditioning - Wheel Tractors and Mobile Machinery	HFCs	0,00	3,27	3,27	0,000	17,61%	0,000	0,000	0,998
2.A.7.2a	Ceramics Production - Bricks and Tiles	CO2	12,30	1,62	1,62	0,001	11,18%	0,000	0,000	0,998
4.B	Manure Management - Poultry	CH4	10,71	3,35	3,35	0,000	22,36%	0,000	0,000	0,998
3	Solvent and Other Product Use (indirect CO2 emissions from NMVOC)	CO2	20,77	12,84	12,84	0,000	26,93%	0,000	0,000	0,998
1.A.4.c	Other Sectors/Agriculture - Liquid Fuels	CH4	2,31	0,29	0,29	0,000	50,25%	0,000	0,000	0,998
1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	N2O	3,59	1,13	1,13	0,000	60,21%	0,000	0,000	0,999
2.F.1.6	Mobile Air-Conditioning - Trucks	HFCs	0,00	4,72	4,72	0,001	9,86%	0,000	0,000	0,999
1.A.1.a	Energy Industries/Electricity and Heat Production - Solid Fuels	CH4	1,28	1,59	1,59	0,000	50,25%	0,000	0,000	0,999
1.A.5	Other - Liquid Fuels	CO2	43,61	40,86	40,86	0,002	2,48%	0,000	0,000	0,999
1.A.2	Manufacturing Industries and Constructions - Other Fuels	N2O	0,00	0,70	0,70	0,000	60,21%	0,000	0,000	0,999
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	N2O	1,11	0,01	0,01	0,000	60,21%	0,000	0,000	0,999
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	N2O	0,11	0,60	0,60	0,000	60,21%	0,000	0,000	0,999
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	N2O	0,10	0,57	0,57	0,000	60,21%	0,000	0,000	0,999
1.A.3.D	Navigation - Liquid Fuels	CO2	21,86	23,39	23,39	0,001	2,48%	0,000	0,000	0,999
2.F.4	...Metered Dose Inhalers	HFCs	0,00	2,89	2,89	0,000	10,00%	0,000	0,000	0,999
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	CH4	1,05	0,00	0,00	0,000	50,25%	0,000	0,000	0,999
3.D	Solvent and Other Product Use	N2O	0,00	4,80	4,80	0,001	5,39%	0,000	0,000	0,999
2.F.1.5	Stationary Air-Conditioning - Heat Pumps	HFCs	0,00	2,43	2,43	0,000	10,30%	0,000	0,000	0,999
4.A	Enteric Fermentation - Horses	CH4	3,25	2,57	2,57	0,000	26,93%	0,000	0,000	0,999
2.F.3	Fire Extinguishers	HFCs	0,00	1,55	1,55	0,000	14,14%	0,000	0,000	0,999
1.A.2	Manufacturing Industries and Constructions - Other Fuels	CH4	0,00	0,36	0,36	0,000	60,21%	0,000	0,000	0,999
2.F.1.6	Mobile Air-Conditioning - Buses	HFCs	0,00	2,11	2,11	0,000	10,03%	0,000	0,000	0,999
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CO2	14,79	2,53	2,53	0,001	3,86%	0,000	0,000	0,999
2.F.1.6	Mobile Air-Conditioning - Ships	HFCs	0,00	4,08	4,08	0,000	5,00%	0,000	0,000	0,999
4.A	Enteric Fermentation - Sheep	CH4	23,49	13,20	13,20	0,000	26,93%	0,000	0,000	0,999

1.A.2.f	Manufacturing Industries and Constructions/Other - Solid Fuels	CH4	1,71	0,53	0,53	0,000	50,25%	0,000	0,000	0,999
4.F.1	Field Burning of Agricultural Residues - Cereals	N2O	1,02	0,00	0,00	0,000	35,23%	0,000	0,000	0,999
2.F.8	Electrical equipment	SF6	0,00	1,76	1,76	0,000	10,44%	0,000	0,000	0,999
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CO2	3,07	1,17	1,17	0,000	39,04%	0,000	0,000	1,000
1.A.1.c	Energy Industries/Other Energy Industries - Solid Fuels	CH4	0,07	0,39	0,39	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Biomass	N2O	0,49	0,15	0,15	0,000	150,33%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print- Gaseous Fuels	CO2	0,00	4,34	4,34	0,000	3,86%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Liquid Fuels	CH4	1,53	0,48	0,48	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Biomass	CH4	0,06	0,30	0,30	0,000	60,21%	0,000	0,000	1,000
5 (V)	Biomass Burning	CH4	0,34	0,07	0,07	0,000	133,76%	0,000	0,000	1,000
1.A.5	Other - Liquid Fuels	N2O	0,77	0,67	0,67	0,000	50,25%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Biomass	N2O	0,25	0,04	0,04	0,000	150,33%	0,000	0,000	1,000
4.F.3	Field Burning of Agricultural Residues - Tuber and Root	CH4	0,51	0,00	0,00	0,000	44,72%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Liquid Fuels	N2O	1,24	0,51	0,51	0,000	75,17%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CO2	0,00	2,97	2,97	0,000	3,86%	0,000	0,000	1,000
4.A	Enteric Fermentation - Goats	CH4	0,09	0,43	0,43	0,000	26,93%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	N2O	0,36	0,40	0,40	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	CH4	0,35	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	N2O	0,80	0,28	0,28	0,000	60,21%	0,000	0,000	1,000
2.F.1.3	Transport Refrigeration - Reefer Containers	HFCs	0,00	0,87	0,87	0,000	9,78%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	CH4	0,32	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Liquid Fuels	CH4	0,25	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	CH4	0,04	0,15	0,15	0,000	50,25%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	CH4	0,22	0,24	0,24	0,000	50,25%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	N2O	0,20	0,01	0,01	0,000	60,21%	0,000	0,000	1,000

4.F.3	Field Burning of Agricultural Residues - Tuber and Root	N2O	0,31	0,00	0,00	0,000	35,23%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	N2O	0,00	0,04	0,04	0,000	150,08%	0,000	0,000	1,000
1.A.3.C	Railway - Liquid Fuels	CH4	0,20	0,22	0,22	0,000	40,31%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Solid Fuels	N2O	0,13	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CO2	5,69	1,80	1,80	0,000	2,48%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Biomass	CH4	0,10	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Gaseous Fuels	N2O	0,09	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
5 (V)	Biomass Burning	N2O	0,06	0,01	0,01	0,000	133,76%	0,000	0,000	1,000
2.F.1.6	Mobile Air-Conditioning - Railcars	HFCs	0,00	0,26	0,26	0,000	9,86%	0,000	0,000	1,000
2.F.1.1	Domestic Refrigeration	HFCs	0,00	0,14	0,14	0,000	14,14%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Solid Fuels	N2O	0,07	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Gaseous Fuels	N2O	0,01	0,04	0,04	0,000	50,25%	0,000	0,000	1,000
1.A.4.b	Other Sectors/Residential - Gaseous Fuels	N2O	0,07	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CO2	12,50	5,97	5,97	0,000	2,48%	0,000	0,000	1,000
2.F.2	...XPS Insulation Foam	HFCs	0,00	0,07	0,07	0,000	22,36%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Liquid Fuels	CH4	0,18	0,07	0,07	0,000	50,25%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	CH4	0,19	0,13	0,13	0,000	50,25%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	N2O	0,06	0,06	0,06	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Horses	CH4	0,25	0,20	0,20	0,000	22,36%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	N2O	1,11	0,57	0,57	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CO2	0,00	0,58	0,58	0,000	2,48%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	N2O	0,06	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
2.F.2	...PU Insulation Panels	HFCs	0,00	0,10	0,10	0,000	14,14%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	N2O	0,05	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
2.F.9	Other Electrical Equipment	SF6	0,00	0,05	0,05	0,000	29,70%	0,000	0,000	1,000
1.A.3.B	Road Transport - Biomass (Biofuels)	CH4	0,00	0,01	0,01	0,000	100,12%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Solid Fuels	CH4	0,05	0,00	0,00	0,000	50,25%	0,000	0,000	1,000

1.A.5	Other - Liquid Fuels	CH4	0,05	0,05	0,05	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CO2	18,73	9,58	9,58	0,000	2,48%	0,000	0,000	1,000
2.A.4.2	Soda Ash Use	CO2	0,00	0,08	0,08	0,000	11,18%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CO2	3,68	2,20	2,20	0,000	3,86%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CO2	0,00	0,22	0,22	0,000	3,86%	0,000	0,000	1,000
1.A.1.a	Energy Industries/Electricity and Heat Production - Gaseous Fuels	CH4	0,75	0,38	0,38	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	N2O	0,00	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.3.D	Navigation - Liquid Fuels	CH4	0,03	0,03	0,03	0,000	40,31%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	N2O	0,03	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	N2O	0,02	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	CO2	0,00	0,25	0,25	0,000	2,48%	0,000	0,000	1,000
4.A	Enteric Fermentation - Fur animals	CH4	0,20	0,12	0,12	0,000	50,99%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	N2O	0,06	0,02	0,02	0,000	50,25%	0,000	0,000	1,000
1.A.3.C	Railways - Solid Fuels	CH4	0,02	0,00	0,00	0,000	40,31%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	N2O	0,05	0,02	0,02	0,000	75,17%	0,000	0,000	1,000
1.A.2.f	Manufacturing Industries and Constructions/Other - Gaseous Fuels	N2O	0,06	0,04	0,04	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	N2O	0,00	0,01	0,01	0,000	60,21%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	CH4	0,03	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	CH4	0,00	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Sheep	CH4	0,56	0,31	0,31	0,000	22,36%	0,000	0,000	1,000
4.B	Manure Management - Fur animals	CH4	0,27	0,16	0,16	0,000	22,36%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Solid Fuels	CH4	0,00	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	CH4	0,00	0,01	0,01	0,000	25,50%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	CH4	0,00	0,01	0,01	0,000	50,25%	0,000	0,000	1,000

1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Solid Fuels	CH4	0,01	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Biomass	CH4	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.c	Manufacturing Industries and Constructions/Chemicals - Liquid Fuels	CH4	0,01	0,01	0,01	0,000	50,25%	0,000	0,000	1,000
1.A.4.a	Other Sectors/Commercial - Liquid Fuels	CH4	0,05	0,02	0,02	0,000	50,25%	0,000	0,000	1,000
4.B	Manure Management - Goats	CH4	0,00	0,01	0,01	0,000	22,36%	0,000	0,000	1,000
1.A.2.e	Manufacturing Industries and Constructions/Food Processing, Beverages and Tobacco - Gaseous Fuels	N2O	0,01	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Gaseous Fuels	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	N2O	0,01	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Gaseous Fuels	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
6.D	Biogas burnt in a flare	N2O	0,00	0,00	0,00	0,000	25,50%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.3.A	Civil Aviation - Liquid Fuels	CH4	0,01	0,00	0,00	0,000	40,31%	0,000	0,000	1,000
2.F.2	...Spray and Injection PU Foam	HFCs	0,00	0,00	0,00	0,000	14,14%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Solid Fuels	CH4	0,01	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Biomass	CH4	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Biomass	CH4	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	CH4	0,00	0,00	0,00	0,000	44,72%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	CH4	0,01	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	CH4	0,00	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous	CH4	0,00	0,00	0,00	0,000	50,25%	0,000	0,000	1,000

	Metals - Liquid Fuels									
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Liquid Fuels	CH4	0,00	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
4.F.2	Field Burning of Agricultural Residues - Pulse	N2O	0,00	0,00	0,00	0,000	35,23%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Gaseous Fuels	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Liquid Fuels	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.4.c	Other Sectors/Agriculture - Gaseous Fuels	N2O	0,00	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CO2	0,00	0,00	0,00	0,000	2,48%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	CH4	0,00	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.a	Manufacturing Industries and Constructions/Iron and steel - Liquid Fuels	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	CH4	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.b	Manufacturing Industries and Constructions/Non-Ferrous Metals - Biomass	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CO2	0,00	0,00	0,00	0,000	39,04%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	CH4	0,00	0,00	0,00	0,000	50,25%	0,000	0,000	1,000
1.A.2.d	Manufacturing Industries and Constructions/Pulp, Paper and Print - Solid Fuels	N2O	0,00	0,00	0,00	0,000	60,21%	0,000	0,000	1,000
2.F.2	...PU Integral Skin Foam	HFCs	0,00	0,00	0,00	0,000	3,00%	0,000	0,000	1,000
2.F.4	...General and Novelty Aerosols	HFCs	0,00	0,00	0,00	0,000	10,00%	0,000	0,000	1,000
4.B	Manure Management - Anaerobic Lagoon	N2O	0,00	0,00	0,00	0,000	103,56%	0,000	0,000	1,000
4.B	Manure Management - Other AWMS	N2O	0,00	0,00	0,00	0,000	103,56%	0,000	0,000	1,000
5.D.2	Land converted to Wetlands - living biomass	CO2	0,00	0,00	0,00	0,000	97,83%	0,000	0,000	1,000
5.E.2.3	Grassland converted to Settlements – living biomass	CO2	0,00	0,00	0,00	0,000	160,30%	0,000	0,000	1,000
5.E.2.3	Grassland converted to Settlements – deadwood	CO2	0,00	0,00	0,00	0,000	310,24%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – living biomass	CO2	0,00	0,00	0,00	0,000	92,75%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – dead organic matter	CO2	0,00	0,00	0,00	0,000	94,35%	0,000	0,000	1,000
5.F.2.1	Forest Land converted to Other Land – net carbon stock	CO2	0,00	0,00	0,00	0,000	215,40%	0,000	0,000	1,000

	change in soils									
5 (V)	Biomass Burning	CO2	0,00	0,00	0,00	0,000	133,76%	0,000	0,000	1,000