ANNEX 7

Approach 1 uncertainty analysis for Slovenia

Table 1: 2010 Uncertainty with LULUCF

Table 2: 2010 Uncertainty w/o LULUCF

Table 3: 1986 Uncertainty with LULUCF

Table 4: 1986 Uncertainty w/o LULUCF

A	B	C	D	E	F	G	H	I	J	K	L	M
IPCC Category	Gas	Emissions or removals 1986	Emissions or removals 2010	AD uncertainty	EF parameter uncertainty	combined uncertainty	Contribution to variance in 2010	Type A sensitivity	Type B sensitivity	Uncertainty in trend by EF	Uncertainty in trend by AD	Uncertainty in trend
		Gg CO2 eq	Gg CO2 eq	%	%	%		%	%	%	%	%
1. ENERGY												
1.A. Fuel Combustion												
Liquid Fuels	CO_2	4797.032	7.343.288	2.8	2.5	3.75	6.244	0.249	0.582	0.622	2.305	5.698
Solid Fuels	CO_2	8932.732	6.065.097	2	2.5	3.20	3.098	0.137	0.481	0.343	1.360	1.967
Gaseous Fuels	CO_2	1468.239	1.805.675	2	2.5	3.20	0.275	0.041	0.143	0.103	0.405	0.175
Other Fuels	CO_2	11.916	83.382	7.7	10	12.62	0.009	0.006	0.007	0.058	0.072	0.009
1.A.1. Energy Industries												
Liquid Fuels	CH_4	0.251	0.021	1	75	75.01	0.000	0.000	0.000	0.001	0.000	0.000
Solid Fuels	CH_4	1.308	1.201	2	75	75.03	0.000	0.000	0.000	0.000	0.000	0.000
Gaseous Fuels	CH_4	0.231	0.152	1	75	75.01	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	CH_4	0.100	0.854	5	50	50.25	0.000	0.000	0.000	0.003	0.000	0.000
1.A.1. Energy Industries												
Liquid Fuels	N_2O	0.761	0.170	1	75	75.01	0.000	0.000	0.000	0.003	0.000	0.000
Solid Fuels	N_2O	25.429	24.818	2	50	50.04	0.013	0.000	0.002	0.010	0.006	0.000
Gaseous Fuels	N_2O	0.111	0.193	1	50	50.01	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	N_2O	0.196	1.671	5	150	150.08	0.001	0.000	0.000	0.018	0.001	0.000
Other Fuels	N_2O		0.000	10	100	100.50	0.000	0.000	0.000	0.000	0.000	0.000
1.A.2 Manufacturing Industries and Construction												
Liquid Fuels	CH_4	1.830	0.455	3	75	75.06	0.000	0.000	0.000	0.007	0.000	0.000
Solid Fuels	CH_4	2.942	0.531	3	75	75.06	0.000	0.000	0.000	0.012	0.000	0.000
Gaseous Fuels	CH_4	2.361	2.189	2	75	75.03	0.000	0.000	0.000	0.001	0.000	0.000
Biomass	CH_4	3.174	2.137	10	50	50.99	0.000	0.000	0.000	0.003	0.002	0.000
Other Fuels	CH_4	0.078	0.338	10	75	75.66	0.000	0.000	0.000	0.002	0.000	0.000
1.A.2 Manufacturing Industries and Construction												
Liquid Fuels	N_2O	28.636	12.909	3	75	75.06	0.008	0.001	0.001	0.072	0.004	0.005
Solid Fuels	N_2O	6.080	1.098	3	50	50.09	0.000	0.000	0.000	0.017	0.000	0.000
Gaseous Fuels	N_2O	0.697	0.646	2	50	50.04	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	N_2O	6.248	4.206	10	150	150.33	0.003	0.000	0.000	0.015	0.005	0.000
Other Fuels	N_2O	0.153	0.666	10	75	75.66	0.000	0.000	0.000	0.003	0.001	0.000
1.A.3 Transport												
a. Civil Aviation (including Army)												
Aviation Gasoline and Jet fuel	CH_4	0.000	0.000	5	100	100.12	0.000	0.000	0.000	0.000	0.000	0.000
b. Road Transportation												
Gasoline	CH_4	21.971	7.193	2	50	50.04	0.001	0.001	0.001	0.048	0.002	0.002

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IPCC Category	Gas	Emissions or removals 1986	Emissions or removals 2010	AD uncertainty	EF parameter uncertainty	combined uncertainty	Contribution to variance in 2010	Type A sensitivity	Type B sensitivity	Uncertainty in trend by EF	Uncertainty in trend by AD	Uncertainty in trend
		Gg CO2 eq	Gg CO2 eq	%	%	%		%	%	%	%	%
Diesel Oil	CH_4	1.433	1.811	2	50	50.04	0.000	0.000	0.000	0.002	0.000	0.000
LPG	CH_4		0.062	2	50	50.04	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	CH_4		0.044	2	50	50.04	0.000	0.000	0.000	0.000	0.000	0.000
c. Railways												
Liquid Fuels	CH_4	0.078	0.043	5	110	110.11	0.000	0.000	0.000	0.000	0.000	0.000
a. Civil Aviation (including Army)												
Aviation Gasoline and Jet fuel	N_2O	0.005	0.015	5	150	150.08	0.000	0.000	0.000	0.000	0.000	0.000
b. Road Transportation												
Gasoline	N_2O	20.991	36.786	2	300	300.01	1.001	0.001	0.003	0.438	0.008	0.192
Diesel Oil	N_2O	7.645	37.775	2	150	150.01	0.264	0.002	0.003	0.370	0.008	0.137
LPG	N_2O		0.244	2	150	150.01	0.000	0.000	0.000	0.003	0.000	0.000
Biomass	N_2O		0.831	2	150	150.01	0.000	0.000	0.000	0.010	0.000	0.000
c. Railways												
Liquid Fuels	N_2O	8.651	4.754	5	150	150.08	0.004	0.000	0.000	0.033	0.003	0.001
1.A.4 Other Sectors												
Liquid Fuels	CH_4	2.468	4.687	5	75	75.17	0.001	0.000	0.000	0.015	0.003	0.000
Solid Fuels	CH_4	49.276	0.163	10	75	75.66	0.000	0.003	0.000	0.255	0.000	0.065
Gaseous Fuels	CH_4	0.065	0.604	3	75	75.06	0.000	0.000	0.000	0.003	0.000	0.000
Biomass	CH_4	99.464	121.734	20	150	151.33	2.789	0.003	0.010	0.413	0.273	0.245
1.A.4 Other Sectors												
Liquid Fuels	N_2O	50.232	28.537	5	75	75.17	0.038	0.001	0.002	0.091	0.016	0.009
Solid Fuels	N_2O	5.407	0.011	10	75	75.66	0.000	0.000	0.000	0.028	0.000	0.001
Gaseous Fuels	N_2O	0.019	0.178	3	75	75.06	0.000	0.000	0.000	0.001	0.000	0.000
Biomass	N_2O	19.577	23.975	20	150	151.33	0.108	0.001	0.002	0.082	0.054	0.010
1.A.5 Other Mobile												
Liquid Fuels	CH_4	0.012	0.001	5	100	100.12	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Fuels	N_2O	0.356	0.025	5	150	150.08	0.000	0.000	0.000	0.003	0.000	0.000
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
a. Coal Mining and Handling	CO_2	120.238	80.626	3	150	150.03	1.202	0.002	0.006	0.291	0.027	0.086
a. Coal Mining and Handling	CH_4	358.906	249.343	3	30	30.15	0.464	0.005	0.020	0.153	0.084	0.031
2. Oil and Natural Gas												
b. Natural Gas	CO_2	0.007	0.003	5	50	50.25	0.000	0.000	0.000	0.000	0.000	0.000
a. Oil	CH4	0.422	0.000	3	30	30.15	0.000	0.000	0.000	0.001	0.000	0.000

A	B	C	D	E	F	G	H	I	J	K	L	M
IPCC Category	Gas	Emissions or removals 1986	Emissions or removals 2010	AD uncertainty	EF parameter uncertainty	combined uncertainty	Contribution to variance in 2010	Type A sensitivity	Type B sensitivity	Uncertainty in trend by EF	Uncertainty in trend by AD	Uncertainty in trend
		Gg CO2 eq	Gg CO2 eq	%	%	%		%	%	%	%	%
b. Natural Gas	CH_4	56.205	29.112	5	50	50.25	0.018	0.002	0.002	0.079	0.016	0.007
2. INDUSTRIAL PROCESSES												
A. Mineral Products												
1. Cement Production	CO_2	514.615	367.873	2	2	2.83	0.009	0.007	0.029	0.013	0.082	0.007
2. Lime Production	CO_2	220.206	90.248	10	5	11.18	0.008	0.008	0.007	0.041	0.101	0.012
3. Limestone and Dolomite Use	CO_2	47.390	152.226	20	10	22.36	0.095	0.009	0.012	0.088	0.341	0.124
4. Soda Ash Production and Use	CO_2	7.827	8.857	10	5	11.18	0.000	0.000	0.001	0.001	0.010	0.000
7. Other *(glass production)*	CO_2	4.528	9.572	5	2	5.39	0.000	0.000	0.001	0.001	0.005	0.000
B. Chemical Industry												
4. Carbide Production	CO_2	44.985	1.142	20	5	20.62	0.000	0.003	0.000	0.015	0.003	0.000
B. Chemical Industry												
4. Carbide Production	CH_4	0.783	0.000	20	20	28.28	0.000	0.000	0.000	0.001	0.000	0.000
5. Other *(Methanol)*	CH_4	2.929	3.443	30	80	85.44	0.001	0.000	0.000	0.006	0.012	0.000
C. Metal Production												
1. Iron and Steel Production	CO_2	40.149	44.953	5	5	7.07	0.001	0.001	0.004	0.004	0.025	0.001
2. Ferroalloys Production	CO_2	57.635	0.000	10	10	14.14	0.000	0.004	0.000	0.040	0.000	0.002
3. Aluminium Production	CO_2	89.402	58.591	2	5	5.39	0.001	0.002	0.005	0.008	0.013	0.000
5. Other *(please specify)*	CO_2		5.492	10	10	14.14	0.000	0.000	0.000	0.004	0.006	0.000
C. Metal Production												
3. Aluminium Production	PFC	276.291	13.682	2	6	6.32	0.000	0.018	0.001	0.108	0.003	0.012
F. Consumption of Halocarbons and SF_6												
1. Refrigeration and AC Equipment	HFC		190.375	50	50	70.71	1.489	0.015	0.015	0.754	1.067	1.708
2. Foam Blowing	HFC		2.034	10	50	50.99	0.000	0.000	0.000	0.008	0.002	0.000
3. Fire Extinguishers	HFC		1.262	50	50	70.71	0.000	0.000	0.000	0.005	0.007	0.000
4. Aerosols/MDI	HFC		4.873	100	0	100.00	0.002	0.000	0.000	0.000	0.055	0.003
8. Electrical Equipment	SF6	10.241	16.542	10	20	22.36	0.001	0.001	0.001	0.012	0.019	0.000
3. SOLVENTS AND OTHER PRODUCT USED	N_2O	81.903	30.380	50	20	53.85	0.022	0.003	0.002	0.065	0.170	0.033
4. AGRICULTURE												
A. Enteric Fermentation	CH_4	680.537	666.235	10	20	22.36	1.824	0.006	0.053	0.113	0.747	0.570
B. Manure Management	CH_4	468.352	430.249	10	30	31.62	1.521	0.002	0.034	0.049	0.482	0.235
B. Manure Management	N_2O	276.035	139.947	50	100	111.80	2.012	0.008	0.011	0.804	0.784	1.261
D. Agricultural Soils												
1. Direct Soil Emissions	N_2O	435.343	380.633	10	250	250.20	74.531	0.000	0.030	0.000	0.427	0.182
2. Pasture. Range and Paddock Manure	N_2O	23.871	52.820	50	100	111.80	0.287	0.003	0.004	0.253	0.296	0.152

A	B	C	D	E	F	G	H	I	J	K	L	M
IPCC Category	**Gas**	**Emissions or removals 1986**	**Emissions or removals 2010**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 2010**	**Type A sensitivity**	**Type B sensitivity**	**Uncertainty in trend by EF**	**Uncertainty in trend by AD**	**Uncertainty in trend**
		Gg CO2 eq	**Gg CO2 eq**	**%**	**%**	**%**		**%**	**%**	**%**	**%**	**%**
3. Indirect Emissions	N_2O	334.663	292.988	50	250	254.95	45.853	0.000	0.023	0.007	1.642	2.697
5. LULUCF												
A. Forest Land												
1. Forest Land remaining Forest Land	CO_2	-9160.325	-10.869.439			25.00	606.801	0.228	0.862	0.000	0.000	0.000
2. Land converted to Forest Land	CO_2	-268.889	-268.889			70.00	2.911	0.003	0.021	0.000	0.000	0.000
1. Forest Land remaining Forest Land	CH4	0.000	0.994			70.00	0.000	0.000	0.000	0.000	0.000	0.000
1. Forest Land remaining Forest Land	N_2O	0.000	0.179			70.00	0.000	0.000	0.000	0.000	0.000	0.000
B. Cropland	CO_2	1206.658	1.612.649			75.00	120.214	0.044	0.128	0.000	0.000	0.000
B. Cropland	N_2O	83.879	83.879			75.00	0.325	0.001	0.007	0.000	0.000	0.000
C. Grassland	CO_2	64.347	343.038			75.00	5.440	0.023	0.027	0.000	0.000	0.000
E. Settlements	CO_2	468.340	606.695			75.00	17.014	0.016	0.048	0.000	0.000	0.000
6. WASTE												
A. Solid Waste Disposal on Land	CH_4	298.801	356.003	30	40	50.00	2.604	0.008	0.028	0.300	1.197	1.523
B. Waste Water Handling												
1. Industrial Wastewater	CH_4	19.916	13.432	25	50	55.90	0.005	0.000	0.001	0.016	0.038	0.002
2. Domestic and Commercial Waste Water	CH_4	113.217	143.686	10	100	100.50	1.714	0.004	0.011	0.354	0.161	0.151
2. Domestic and Commercial Waste Water	N_2O	58.858	59.102	15	250	250.45	1.801	0.001	0.005	0.151	0.099	0.033
C. Incineration	CO_2		5.228	5	97	97.13	0.002	0.000	0.000	0.040	0.003	0.002
C. Incineration	N_2O		0.005	5	100	100.12	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL		**12616.420**	**11031.233**				902.028					17.349
UNCERTAINTY with LULUCF 2010	**%**						**30.034**					**4.165**

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		Gg CO2 eq	Gg CO2 eq	%	%	%		%	%	%	%	%
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1.A. Fuel Combustion												
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Solid Fuels	CO_2	8932.732	6.065.097	2	2.5	3.20	3.098	0.137	0.481	0.343	1.360	1.967
Gaseous Fuels	CO_2	1468.239	1.805.675	2	2.5	3.20	0.275	0.041	0.143	0.103	0.405	0.175
Other Fuels	CO_2	11.916	83.382	7.7	10	12.62	0.009	0.006	0.007	0.058	0.072	0.009
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Gaseous Fuels	CH_4	0.231	0.152	1	75	75.01	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	CH_4	0.100	0.854	5	50	50.25	0.000	0.000	0.000	0.003	0.000	0.000
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Solid Fuels	N_2O	25.429	24.818	2	50	50.04	0.013	0.000	0.002	0.010	0.006	0.000
Gaseous Fuels	N_2O	0.111	0.193	1	50	50.01	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	N_2O	0.196	1.671	5	150	150.08	0.001	0.000	0.000	0.018	0.001	0.000
Other Fuels	N_2O		0.000	10	100	100.50	0.000	0.000	0.000	0.000	0.000	0.000
1.A.2 Manufacturing Industries and Construction												
Liquid Fuels	CH_4	1.830	0.455	3	75	75.06	0.000	0.000	0.000	0.007	0.000	0.000
Solid Fuels	CH_4	2.942	0.531	3	75	75.06	0.000	0.000	0.000	0.012	0.000	0.000
Gaseous Fuels	CH_4	2.361	2.189	2	75	75.03	0.000	0.000	0.000	0.001	0.000	0.000
Biomass	CH_4	3.174	2.137	10	50	50.99	0.000	0.000	0.000	0.003	0.002	0.000
Other Fuels	CH_4	0.078	0.338	10	75	75.66	0.000	0.000	0.000	0.002	0.000	0.000
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Solid Fuels	N_2O	6.080	1.098	3	50	50.09	0.000	0.000	0.000	0.017	0.000	0.000
Gaseous Fuels	N_2O	0.697	0.646	2	50	50.04	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	N_2O	6.248	4.206	10	150	150.33	0.003	0.000	0.000	0.015	0.005	0.000
Other Fuels	N_2O	0.153	0.666	10	75	75.66	0.000	0.000	0.000	0.003	0.001	0.000
1.A.3 Transport												
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LPG	CH_4		0.062	2	50	50.04	0.000	0.000	0.000	0.000	0.000	0.000
Biomass	CH_4		0.044	2	50	50.04	0.000	0.000	0.000	0.000	0.000	0.000
c. Railways												
Liquid Fuels	CH_4	0.078	0.043	5	110	110.11	0.000	0.000	0.000	0.000	0.000	0.000
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Gaseous Fuels	CH_4	0.065	0.604	3	75	75.06	0.000	0.000	0.000	0.003	0.000	0.000
Biomass	CH_4	99.464	121.734	20	150	151.33	2.789	0.003	0.010	0.413	0.273	0.245
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Solid Fuels	N_2O	5.407	0.011	10	75	75.66	0.000	0.000	0.000	0.028	0.000	0.001
Gaseous Fuels	N_2O	0.019	0.178	3	75	75.06	0.000	0.000	0.000	0.001	0.000	0.000
Biomass	N_2O	19.577	23.975	20	150	151.33	0.108	0.001	0.002	0.082	0.054	0.010
1.A.5 Other Mobile												
Liquid Fuels	CH_4	0.012	0.001	5	100	100.12	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Fuels	N_2O	0.356	0.025	5	150	150.08	0.000	0.000	0.000	0.003	0.000	0.000
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
a. Coal Mining and Handling	CO_2	120.238	80.626	3	150	150.03	1.202	0.002	0.006	0.291	0.027	0.086
a. Coal Mining and Handling	CH_4	358.906	249.343	3	30	30.15	0.464	0.005	0.020	0.153	0.084	0.031
2. Oil and Natural Gas												
b. Natural Gas	CO_2	0.007	0.003	5	50	50.25	0.000	0.000	0.000	0.000	0.000	0.000
a. Oil	CH4	0.422	0.000	3	30	30.15	0.000	0.000	0.000	0.001	0.000	0.000

A	B	C	D	E	F	G	H	I	J	K	L	M
IPCC Category	Gas	Emissions or removals 1986	Emissions or removals 2010	AD uncertainty	EF parameter uncertainty	combined uncertainty	Contribution to variance in 2010	Type A sensitivity	Type B sensitivity	Uncertainty in trend by EF	Uncertainty in trend by AD	Uncertainty in trend
		Gg CO2 eq	Gg CO2 eq	%	%	%		%	%	%	%	%
b. Natural Gas	CH_4	56.205	29.112	5	50	50.25	0.018	0.002	0.002	0.079	0.016	0.007
2. INDUSTRIAL PROCESSES												
A. Mineral Products												
1. Cement Production	CO_2	514.615	367.873	2	2	2.83	0.009	0.007	0.029	0.013	0.082	0.007
2. Lime Production	CO_2	220.206	90.248	10	5	11.18	0.008	0.008	0.007	0.041	0.101	0.012
3. Limestone and Dolomite Use	CO_2	47.390	152.226	20	10	22.36	0.095	0.009	0.012	0.088	0.341	0.124
4. Soda Ash Production and Use	CO_2	7.827	8.857	10	5	11.18	0.000	0.000	0.001	0.001	0.010	0.000
7. Other *(glass production)*	CO_2	4.528	9.572	5	2	5.39	0.000	0.000	0.001	0.001	0.005	0.000
B. Chemical Industry												
4. Carbide Production	CO_2	44.985	1.142	20	5	20.62	0.000	0.003	0.000	0.015	0.003	0.000
B. Chemical Industry												
4. Carbide Production	CH_4	0.783	0.000	20	20	28.28	0.000	0.000	0.000	0.001	0.000	0.000
5. Other *(Methanol)*	CH_4	2.929	3.443	30	80	85.44	0.001	0.000	0.000	0.006	0.012	0.000
C. Metal Production												
1. Iron and Steel Production	CO_2	40.149	44.953	5	5	7.07	0.001	0.001	0.004	0.004	0.025	0.001
2. Ferroalloys Production	CO_2	57.635	0.000	10	10	14.14	0.000	0.004	0.000	0.040	0.000	0.002
3. Aluminium Production	CO_2	89.402	58.591	2	5	5.39	0.001	0.002	0.005	0.008	0.013	0.000
5. Other *(please specify)*	CO_2		5.492	10	10	14.14	0.000	0.000	0.000	0.004	0.006	0.000
C. Metal Production												
3. Aluminium Production	PFC	276.291	13.682	2	6	6.32	0.000	0.018	0.001	0.108	0.003	0.012
F. Consumption of Halocarbons and SF_6												
1. Refrigeration and AC Equipment	HFC		190.375	50	50	70.71	1.489	0.015	0.015	0.754	1.067	1.708
2. Foam Blowing	HFC		2.034	10	50	50.99	0.000	0.000	0.000	0.008	0.002	0.000
3. Fire Extinguishers	HFC		1.262	50	50	70.71	0.000	0.000	0.000	0.005	0.007	0.000
4. Aerosols/MDI	HFC		4.873	100	0	100.00	0.002	0.000	0.000	0.000	0.055	0.003
8. Electrical Equipment	SF6	10.241	16.542	10	20	22.36	0.001	0.001	0.001	0.012	0.019	0.000
3. SOLVENTS AND OTHER PRODUCT USED	N_2O	81.903	30.380	50	20	53.85	0.022	0.003	0.002	0.065	0.170	0.033
4. AGRICULTURE												
A. Enteric Fermentation	CH_4	680.537	666.235	10	20	22.36	1.824	0.006	0.053	0.113	0.747	0.570
B. Manure Management	CH_4	468.352	430.249	10	30	31.62	1.521	0.002	0.034	0.049	0.482	0.235
B. Manure Management	N_2O	276.035	139.947	50	100	111.80	2.012	0.008	0.011	0.804	0.784	1.261
D. Agricultural Soils												
1. Direct Soil Emissions	N_2O	435.343	380.633	10	250	250.20	74.531	0.000	0.030	0.000	0.427	0.182
2. Pasture. Range and Paddock Manure	N_2O	23.871	52.820	50	100	111.80	0.287	0.003	0.004	0.253	0.296	0.152

A	B	C	D	E	F	G	H	I	J	K	L	M
IPCC Category	**Gas**	**Emissions or removals 1986**	**Emissions or removals 2010**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 2010**	**Type A sensitivity**	**Type B sensitivity**	**Uncertainty in trend by EF**	**Uncertainty in trend by AD**	**Uncertainty in trend**
		Gg CO2 eq	**Gg CO2 eq**	**%**	**%**	**%**		**%**	**%**	**%**	**%**	**%**
3. Indirect Emissions	**N_2O**	334.663	292.988	50	250	254.95	45.853	0.000	0.023	0.007	1.642	2.697
6. WASTE												
A. Solid Waste Disposal on Land	**CH_4**	298.801	356.003	30	40	50.00	2.604	0.008	0.028	0.300	1.197	1.523
B. Waste Water Handling												
1. Industrial Wastewater	**CH_4**	19.916	13.432	25	50	55.90	0.005	0.000	0.001	0.016	0.038	0.002
2. Domestic and Commercial Waste Water	**CH_4**	113.217	143.686	10	100	100.50	1.714	0.004	0.011	0.354	0.161	0.151
2. Domestic and Commercial Waste Water	**N_2O**	58.858	59.102	15	250	250.45	1.801	0.001	0.005	0.151	0.099	0.033
C. Incineration	**CO_2**		5.228	5	97	97.13	0.002	0.000	0.000	0.040	0.003	0.002
C. Incineration	**N_2O**		0.005	5	100	100.12	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL		**20222.410**	**19522.127**				47.678					7.243
UNCERTAINTY w/o LULUCF 2010	**%**						**6.905**					**2.691**

A	B	C	E	F	G	H
IPCC Category	Gas	Emissions or removals 1986	AD uncertainty	EF parameter uncertainty	combined uncertainty	Contribution to variance in 1986
		Gg CO2 eq	%	%	%	
1. ENERGY						
1.A. Fuel Combustion						
Liquid Fuels	CO_2	4797.032	5	2.5	5.59	4.518
Solid Fuels	CO_2	8932.732	10	5	11.18	62.662
Gaseous Fuels	CO_2	1468.239	5	2.5	5.59	0.423
Other Fuels	CO_2	11.916	10	10	14.14	0.000
1.A.1. Energy Industries						
Liquid Fuels	CH_4	0.251	5	75	75.17	0.000
Solid Fuels	CH_4	1.308	10	75	75.66	0.000
Gaseous Fuels	CH_4	0.231	5	75	75.17	0.000
Biomass	CH_4	0.100	10	50	50.99	0.000
1.A.1. Energy Industries						
Liquid Fuels	N_2O	0.761	5	75	75.17	0.000
Solid Fuels	N_2O	25.429	10	50	50.99	0.011
Gaseous Fuels	N_2O	0.111	5	50	50.25	0.000
Biomass	N_2O	0.196	10	150	150.33	0.000
Other Fuels	N_2O					
1.A.2 Manufacturing Industries and Construction						
Liquid Fuels	CH_4	1.830	5	75	75.17	0.000
Solid Fuels	CH_4	2.942	10	75	75.66	0.000
Gaseous Fuels	CH_4	2.361	5	75	75.17	0.000
Biomass	CH_4	3.174	10	50	50.99	0.000
Other Fuels	CH_4	0.078	10	50	50.99	0.000
1.A.2 Manufacturing Industries and Construction						
Liquid Fuels	N_2O	28.636	5	75	75.17	0.029
Solid Fuels	N_2O	6.080	10	50	50.99	0.001
Gaseous Fuels	N_2O	0.697	5	50	50.25	0.000
Biomass	N_2O	6.248	10	150	150.33	0.006
Other Fuels	N_2O	0.153	10	150	150.33	0.000
1.A.3 Transport						
a. Civil Aviation (including Army)						
Aviation Gasoline and Jet fuel	CH_4	0.000	5	100	100.12	0.000
b. Road Transportation						
Gasoline	CH_4	21.971	5	50	50.25	0.008

A	B	C	E	F	G	H
IPCC Category	**Gas**	**Emissions or removals 1986**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 1986**
		Gg CO2 eq	**%**	**%**	**%**	
Diesel Oil	**CH_4**	1.433	5	50	50.25	0.000
LPG	**CH_4**					
Biomass	**CH_4**					
c. Railways						
Liquid Fuels	**CH_4**	0.078	5	110	110.11	0.000
a. Civil Aviation (including Army)						
Aviation Gasoline and Jet fuel	**N_2O**	0.005	5	150	150.08	0.000
b. Road Transportation						
Gasoline	**N_2O**	20.991	5	300	300.04	0.249
Diesel Oil	**N_2O**	7.645	5	150	150.08	0.008
LPG	**N_2O**					
Biomass	**N_2O**					
c. Railways						
Liquid Fuels	**N_2O**	8.651	5	150	150.08	0.011
1.A.4 Other Sectors						
Liquid Fuels	**CH_4**	2.468	5	75	75.17	0.000
Solid Fuels	**CH_4**	49.276	10	75	75.66	0.087
Gaseous Fuels	**CH_4**	0.065	5	75	75.17	0.000
Biomass	**CH_4**	99.464	20	150	151.33	1.423
1.A.4 Other Sectors						
Liquid Fuels	**N_2O**	50.232	5	75	75.17	0.090
Solid Fuels	**N_2O**	5.407	10	75	75.66	0.001
Gaseous Fuels	**N_2O**	0.019	5	75	75.17	0.000
Biomass	**N_2O**	19.577	20	150	151.33	0.055
1.A.5 Other Mobile						
Liquid Fuels	**CH_4**	0.012	30	100	104.40	0.000
Liquid Fuels	**N_2O**	0.356	30	150	152.97	0.000
B. Fugitive Emissions from Fuels						
1. Solid Fuels						
a. Coal Mining and Handling	**CO_2**	120.238	10	150	150.33	2.053
a. Coal Mining and Handling	**CH_4**	358.906	10	30	31.62	0.809
2. Oil and Natural Gas						
b. Natural Gas	**CO_2**	0.007	5	50	50.25	0.000
a. Oil	**CH4**	0.422	2	30	30.07	0.000

A	B	C	E	F	G	H
IPCC Category	**Gas**	**Emissions or removals 1986**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 1986**
		Gg CO2 eq	**%**	**%**	**%**	
b. Natural Gas	**CH_4**	56.205	5	50	50.25	0.050
2. INDUSTRIAL PROCESSES						
A. Mineral Products						
1. Cement Production	**CO_2**	514.615	10	10	14.14	0.333
2. Lime Production	**CO_2**	220.206	15	5	15.81	0.076
3. Limestone and Dolomite Use	**CO_2**	47.390	20	10	22.36	0.007
4. Soda Ash Production and Use	**CO_2**	7.827	10	5	11.18	0.000
7. Other *(glass production)*	**CO_2**	4.528	10	10	14.14	0.000
B. Chemical Industry						
4. Carbide Production	**CO_2**	44.985	20	5	20.62	0.005
B. Chemical Industry						
4. Carbide Production	**CH_4**	0.783	20	20	28.28	0.000
5. Other *(Methanol)*	**CH_4**	2.929	30	80	85.44	0.000
C. Metal Production						
1. Iron and Steel Production	**CO_2**	40.149	10	10	14.14	0.002
2. Ferroalloys Production	**CO_2**	57.635	10	10	14.14	0.004
3. Aluminium Production	**CO_2**	89.402	10	10	14.14	0.010
5. Other *(please specify)*	**CO_2**					
C. Metal Production						
3. Aluminium Production	**PFC**	276.291	10	10	14.14	0.096
F. Consumption of Halocarbons and SF_6						
1. Refrigeration and AC Equipment	**HFC**					
2. Foam Blowing	**HFC**					
3. Fire Extinguishers	**HFC**					
4. Aerosols/MDI	**HFC**					
8. Electrical Equipment	**SF6**	10.241	20	0	20.00	0.000
3. SOLVENTS AND OTHER PRODUCT USED	**N_2O**	81.903	50	20	53.85	0.122
4. AGRICULTURE						
A. Enteric Fermentation	**CH_4**	680.537	10	20	22.36	1.455
B. Manure Management	**CH_4**	468.352	10	30	31.62	1.378
B. Manure Management	**N_2O**	276.035	50	100	111.80	5.984
D. Agricultural Soils						
1. Direct Soil Emissions	**N_2O**	435.343	10	250	250.20	74.536
2. Pasture. Range and Paddock Manure	**N_2O**	23.871	50	100	111.80	0.045

A	B	C	E	F	G	H
IPCC Category	**Gas**	**Emissions or removals 1986**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 1986**
		Gg CO2 eq	**%**	**%**	**%**	
3. Indirect Emissions	**N_2O**	334.663	50	250	254.95	45.736
5. LULUCF						
A. Forest Land						
1. Forest Land remaining Forest Land	**CO_2**	-9160.325			50.00	1317.921
2. Land converted to Forest Land	**CO_2**	-268.889			70.00	2.226
1. Forest Land remaining Forest Land	**CH4**	0.000			70.00	0.000
1. Forest Land remaining Forest Land	**N_2O**	0.000			70.00	0.000
B. Cropland	**CO_2**	1206.658			75.00	51.454
B. Cropland	**N_2O**	83.879			75.00	0.249
C. Grassland	**CO_2**	64.347			75.00	0.146
E. Settlements	**CO_2**	468.340			75.00	7.751
6. WASTE						
A. Solid Waste Disposal on Land	**CH_4**	298.801	30	40	50.00	1.402
B. Waste Water Handling						
1. Industrial Wastewater	**CH_4**	19.916	25	100	103.08	0.026
2. Domestic and Commercial Waste Water	**CH_4**	113.217	10	100	100.50	0.813
2. Domestic and Commercial Waste Water	**N_2O**	58.858	15	250	250.45	1.365
C. Incineration	**CO_2**					
C. Incineration	**N_2O**					
TOTAL		**12616.420**				**1585.638**
UNCERTAINTY with LULUCF 1986	**%**					**39.820**

A	B	C	E	F	G	H
IPCC Category	Gas	Emissions or removals 1986	AD uncertainty	EF parameter uncertainty	combined uncertainty	Contribution to variance in 1986
		Gg CO2 eq	%	%	%	
1. ENERGY						
1.A. Fuel Combustion						
Liquid Fuels	CO_2	4797.032	5	2.5	5.59	4.518
Solid Fuels	CO_2	8932.732	10	5	11.18	62.662
Gaseous Fuels	CO_2	1468.239	5	2.5	5.59	0.423
Other Fuels	CO_2	11.916	10	10	14.14	0.000
1.A.1. Energy Industries						
Liquid Fuels	CH_4	0.251	5	75	75.17	0.000
Solid Fuels	CH_4	1.308	10	75	75.66	0.000
Gaseous Fuels	CH_4	0.231	5	75	75.17	0.000
Biomass	CH_4	0.100	10	50	50.99	0.000
1.A.1. Energy Industries						
Liquid Fuels	N_2O	0.761	5	75	75.17	0.000
Solid Fuels	N_2O	25.429	10	50	50.99	0.011
Gaseous Fuels	N_2O	0.111	5	50	50.25	0.000
Biomass	N_2O	0.196	10	150	150.33	0.000
Other Fuels	N_2O					
1.A.2 Manufacturing Industries and Construction						
Liquid Fuels	CH_4	1.830	5	75	75.17	0.000
Solid Fuels	CH_4	2.942	10	75	75.66	0.000
Gaseous Fuels	CH_4	2.361	5	75	75.17	0.000
Biomass	CH_4	3.174	10	50	50.99	0.000
Other Fuels	CH_4	0.078	10	50	50.99	0.000
1.A.2 Manufacturing Industries and Construction						
Liquid Fuels	N_2O	28.636	5	75	75.17	0.029
Solid Fuels	N_2O	6.080	10	50	50.99	0.001
Gaseous Fuels	N_2O	0.697	5	50	50.25	0.000
Biomass	N_2O	6.248	10	150	150.33	0.006
Other Fuels	N_2O	0.153	10	150	150.33	0.000
1.A.3 Transport						
a. Civil Aviation (including Army)						
Aviation Gasoline and Jet fuel	CH_4	0.000	5	100	100.12	0.000
b. Road Transportation						
Gasoline	CH_4	21.971	5	50	50.25	0.008

A	B	C	E	F	G	H
IPCC Category	**Gas**	**Emissions or removals 1986**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 1986**
		Gg CO2 eq	**%**	**%**	**%**	
Diesel Oil	**CH_4**	1.433	5	50	50.25	0.000
LPG	**CH_4**					
Biomass	**CH_4**					
c. Railways						
Liquid Fuels	**CH_4**	0.078	5	110	110.11	0.000
a. Civil Aviation (including Army)						
Aviation Gasoline and Jet fuel	**N_2O**	0.005	5	150	150.08	0.000
b. Road Transportation						
Gasoline	**N_2O**	20.991	5	300	300.04	0.249
Diesel Oil	**N_2O**	7.645	5	150	150.08	0.008
LPG	**N_2O**					
Biomass	**N_2O**					
c. Railways						
Liquid Fuels	**N_2O**	8.651	5	150	150.08	0.011
1.A.4 Other Sectors						
Liquid Fuels	**CH_4**	2.468	5	75	75.17	0.000
Solid Fuels	**CH_4**	49.276	10	75	75.66	0.087
Gaseous Fuels	**CH_4**	0.065	5	75	75.17	0.000
Biomass	**CH_4**	99.464	20	150	151.33	1.423
1.A.4 Other Sectors						
Liquid Fuels	**N_2O**	50.232	5	75	75.17	0.090
Solid Fuels	**N_2O**	5.407	10	75	75.66	0.001
Gaseous Fuels	**N_2O**	0.019	5	75	75.17	0.000
Biomass	**N_2O**	19.577	20	150	151.33	0.055
1.A.5 Other Mobile						
Liquid Fuels	**CH_4**	0.012	30	100	104.40	0.000
Liquid Fuels	**N_2O**	0.356	30	150	152.97	0.000
B. Fugitive Emissions from Fuels						
1. Solid Fuels						
a. Coal Mining and Handling	**CO_2**	120.238	10	150	150.33	2.053
a. Coal Mining and Handling	**CH_4**	358.906	10	30	31.62	0.809
2. Oil and Natural Gas						
b. Natural Gas	**CO_2**	0.007	5	50	50.25	0.000
a. Oil	**CH4**	0.422	2	30	30.07	0.000

A	B	C	E	F	G	H
IPCC Category	**Gas**	**Emissions or removals 1986**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 1986**
		Gg CO2 eq	**%**	**%**	**%**	
b. Natural Gas	**CH_4**	56.205	5	50	50.25	0.050
2. INDUSTRIAL PROCESSES						
A. Mineral Products						
1. Cement Production	**CO_2**	514.615	10	10	14.14	0.333
2. Lime Production	**CO_2**	220.206	15	5	15.81	0.076
3. Limestone and Dolomite Use	**CO_2**	47.390	20	10	22.36	0.007
4. Soda Ash Production and Use	**CO_2**	7.827	10	5	11.18	0.000
7. Other *(glass production)*	**CO_2**	4.528	10	10	14.14	0.000
B. Chemical Industry						
4. Carbide Production	**CO_2**	44.985	20	5	20.62	0.005
B. Chemical Industry						
4. Carbide Production	**CH_4**	0.783	20	20	28.28	0.000
5. Other *(Methanol)*	**CH_4**	2.929	30	80	85.44	0.000
C. Metal Production						
1. Iron and Steel Production	**CO_2**	40.149	10	10	14.14	0.002
2. Ferroalloys Production	**CO_2**	57.635	10	10	14.14	0.004
3. Aluminium Production	**CO_2**	89.402	10	10	14.14	0.010
5. Other *(please specify)*	**CO_2**					
C. Metal Production						
3. Aluminium Production	**PFC**	276.291	10	10	14.14	0.096
F. Consumption of Halocarbons and SF_6						
1. Refrigeration and AC Equipment	**HFC**					
2. Foam Blowing	**HFC**					
3. Fire Extinguishers	**HFC**					
4. Aerosols/MDI	**HFC**					
8. Electrical Equipment	**SF6**	10.241	20	0	20.00	0.000
3. SOLVENTS AND OTHER PRODUCT USED	**N_2O**	81.903	50	20	53.85	0.122
4. AGRICULTURE						
A. Enteric Fermentation	**CH_4**	680.537	10	20	22.36	1.455
B. Manure Management	**CH_4**	468.352	10	30	31.62	1.378
B. Manure Management	**N_2O**	276.035	50	100	111.80	5.984
D. Agricultural Soils						
1. Direct Soil Emissions	**N_2O**	435.343	10	250	250.20	74.536
2. Pasture. Range and Paddock Manure	**N_2O**	23.871	50	100	111.80	0.045

A	B	C	E	F	G	H
IPCC Category	**Gas**	**Emissions or removals 1986**	**AD uncertainty**	**EF parameter uncertainty**	**combined uncertainty**	**Contribution to variance in 1986**
		Gg CO2 eq	**%**	**%**	**%**	
3. Indirect Emissions	**N_2O**	334.663	50	250	254.95	45.736
6. WASTE						
A. Solid Waste Disposal on Land	**CH_4**	298.801	30	40	50.00	1.402
B. Waste Water Handling						
1. Industrial Wastewater	**CH_4**	19.916	25	100	103.08	0.026
2. Domestic and Commercial Waste Water	**CH_4**	113.217	10	100	100.50	0.813
2. Domestic and Commercial Waste Water	**N_2O**	58.858	15	250	250.45	1.365
C. Incineration	**CO_2**					
C. Incineration	**N_2O**					
TOTAL		**20222.410**				**80.139**
UNCERTAINTY w/o LULUCF 1986	**%**					**8.952**