

**BR CTF submission workbook**

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Table 1

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**Emission trends: summary** <sup>(1)</sup>  
**(Sheet 1 of 3)**

<i>GREENHOUSE GAS EMISSIONS</i>	Base year <sup>a</sup>	1990	1991	1992	1993	1994	1995	1996	1997
	<i>kt CO<sub>2</sub> eq</i>								
CO <sub>2</sub> emissions without net CO <sub>2</sub> from LULUCF	16,662.06	15,089.52	14,008.50	14,010.61	14,305.20	14,649.99	15,278.21	15,946.56	16,297.42
CO <sub>2</sub> emissions with net CO <sub>2</sub> from LULUCF	13,003.05	11,884.34	10,924.95	10,959.25	11,280.08	11,575.18	12,205.52	10,144.51	10,593.33
CH <sub>4</sub> emissions without CH <sub>4</sub> from LULUCF	2,464.71	2,418.26	2,317.15	2,375.98	2,300.29	2,302.00	2,314.97	2,271.35	2,271.55
CH <sub>4</sub> emissions with CH <sub>4</sub> from LULUCF	2,464.71	2,421.25	2,320.33	2,377.69	2,300.29	2,302.00	2,315.87	2,272.87	2,274.04
N <sub>2</sub> O emissions without N <sub>2</sub> O from LULUCF	930.31	837.29	778.83	830.95	807.02	864.29	926.48	979.34	1,002.67
N <sub>2</sub> O emissions with N <sub>2</sub> O from LULUCF	943.76	851.18	792.75	844.65	820.47	877.65	939.97	992.92	1,016.39
HFCs	NO	NO	NO	NO	NO	NO	35.01	33.15	38.87
PFCs	233.19	207.59	129.40	128.18	128.25	128.18	128.14	127.67	128.19
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO
SF <sub>6</sub>	9.77	9.83	9.64	9.67	10.54	10.84	12.13	12.88	13.25
NF <sub>3</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total (without LULUCF)</b>	20,300.04	18,562.49	17,243.53	17,355.40	17,551.31	17,955.30	18,694.94	19,370.95	19,751.95
<b>Total (with LULUCF)</b>	16,654.48	15,374.19	14,177.08	14,319.44	14,539.63	14,893.84	15,636.64	13,584.00	14,064.07
<b>Total (without LULUCF, with indirect)</b>	20,300.04	18,562.49	17,243.53	17,355.40	17,551.31	17,955.30	18,694.94	19,370.95	19,751.95
<b>Total (with LULUCF, with indirect)</b>	16,654.48	15,374.19	14,177.08	14,319.44	14,539.63	14,893.84	15,636.64	13,584.00	14,064.07

  

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	Base year <sup>a</sup>	1990	1991	1992	1993	1994	1995	1996	1997
	<i>kt CO<sub>2</sub> eq</i>								
1. Energy	16,214.21	14,515.76	13,623.09	13,632.52	14,134.92	14,336.70	15,024.45	15,740.89	16,075.40
2. Industrial processes and product use	1,404.63	1,391.63	1,084.11	1,070.63	866.25	1,046.79	1,086.14	1,089.86	1,146.32
3. Agriculture	2,088.84	2,010.86	1,888.49	2,007.04	1,886.62	1,899.82	1,906.27	1,852.19	1,825.80
4. Land Use, Land-Use Change and Forestry <sup>b</sup>	-3,645.56	-3,188.31	-3,066.45	-3,035.96	-3,011.67	-3,061.45	-3,058.30	-5,786.95	-5,687.88
5. Waste	592.36	644.24	647.84	645.21	663.52	671.98	678.08	688.01	704.44
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total (including LULUCF)</b>	16,654.48	15,374.19	14,177.08	14,319.44	14,539.63	14,893.84	15,636.64	13,584.00	14,064.07

**Note:** All footnotes for this table are given on sheet 3.

<sup>1</sup> The common tabular format will be revised, in accordance with relevant decisions of the Conference of the Parties and, where applicable, with decisions of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol."

Table 1

SVN\_BR2\_v1.0

**Emission trends: summary <sup>(1)</sup>**  
**(Sheet 2 of 3)**

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<i>GREENHOUSE GAS EMISSIONS</i>										
CO <sub>2</sub> emissions without net CO <sub>2</sub> from LULUCF	16,003.47	15,374.30	15,484.54	16,408.67	16,544.32	16,311.17	16,662.80	16,949.95	17,158.09	17,291.68
CO <sub>2</sub> emissions with net CO <sub>2</sub> from LULUCF	10,247.72	9,656.02	9,734.73	9,363.41	9,464.91	9,283.59	9,516.60	9,786.88	10,015.07	11,759.22
CH <sub>4</sub> emissions without CH <sub>4</sub> from LULUCF	2,313.41	2,298.54	2,389.99	2,364.91	2,461.55	2,412.53	2,381.88	2,370.54	2,322.06	2,320.40
CH <sub>4</sub> emissions with CH <sub>4</sub> from LULUCF	2,318.29	2,300.77	2,390.89	2,366.69	2,462.14	2,424.89	2,382.49	2,371.71	2,330.69	2,321.31
N <sub>2</sub> O emissions without N <sub>2</sub> O from LULUCF	988.67	983.54	1,009.57	994.32	885.44	851.00	819.56	828.13	834.66	836.81
N <sub>2</sub> O emissions with N <sub>2</sub> O from LULUCF	1,002.74	997.23	1,023.06	1,007.94	898.89	866.16	833.01	841.66	849.28	850.30
HFCs	34.40	32.63	45.11	56.70	72.04	100.55	121.98	147.11	174.42	200.08
PFCs	128.08	128.29	129.75	129.26	135.07	139.44	140.69	142.13	134.26	99.68
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SF <sub>6</sub>	12.77	15.36	15.01	15.37	16.54	17.09	17.47	18.00	17.42	16.74
NF <sub>3</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total (without LULUCF)</b>	19,480.81	18,832.67	19,073.97	19,969.24	20,114.95	19,831.78	20,144.39	20,455.86	20,640.91	20,765.38
<b>Total (with LULUCF)</b>	13,744.01	13,130.31	13,338.54	12,939.37	13,049.58	12,831.72	13,012.24	13,307.48	13,521.14	15,247.33
<b>Total (without LULUCF, with indirect)</b>	19,480.81	18,832.67	19,073.97	19,969.24	20,114.95	19,831.78	20,144.39	20,455.86	20,640.91	20,765.38
<b>Total (with LULUCF, with indirect)</b>	13,744.01	13,130.31	13,338.54	12,939.37	13,049.58	12,831.72	13,012.24	13,307.48	13,521.14	15,247.33
<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>										
1. Energy	15,777.80	15,091.36	15,183.83	16,043.95	16,110.55	15,838.38	16,174.20	16,396.75	16,575.73	16,684.99
2. Industrial processes and product use	1,119.44	1,141.14	1,187.95	1,232.08	1,230.43	1,315.25	1,357.70	1,439.92	1,493.67	1,504.75
3. Agriculture	1,860.03	1,852.70	1,935.45	1,909.65	1,973.93	1,870.93	1,801.70	1,820.88	1,810.93	1,864.54
4. Land Use, Land-Use Change and Forestry <sup>b</sup>	-5,736.80	-5,702.36	-5,735.43	-7,029.87	-7,065.38	-7,000.06	-7,132.14	-7,148.38	-7,119.77	-5,518.06
5. Waste	723.53	747.47	766.74	783.56	800.05	807.22	810.79	798.30	760.58	711.10
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total (including LULUCF)</b>	13,744.01	13,130.31	13,338.54	12,939.37	13,049.58	12,831.72	13,012.24	13,307.48	13,521.14	15,247.33

**Note:** All footnotes for this table are given on sheet 3.

Table 1

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**Emission trends: summary <sup>(1)</sup>**  
**(Sheet 3 of 3)**

GREENHOUSE GAS EMISSIONS	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
	(%)						
CO <sub>2</sub> emissions without net CO <sub>2</sub> from LULUCF	18,230.63	16,328.82	16,379.65	16,366.78	15,810.49	15,166.27	-8.98
CO <sub>2</sub> emissions with net CO <sub>2</sub> from LULUCF	13,204.27	11,365.05	11,478.09	11,540.99	11,035.99	10,406.55	-19.97
CH <sub>4</sub> emissions without CH <sub>4</sub> from LULUCF	2,166.15	2,093.21	2,063.22	2,057.46	2,000.91	1,947.62	-20.98
CH <sub>4</sub> emissions with CH <sub>4</sub> from LULUCF	2,166.58	2,094.27	2,063.70	2,058.93	2,006.40	1,948.07	-20.96
N <sub>2</sub> O emissions without N <sub>2</sub> O from LULUCF	790.50	783.32	768.94	774.93	777.39	745.81	-19.83
N <sub>2</sub> O emissions with N <sub>2</sub> O from LULUCF	803.92	796.83	782.36	788.50	791.54	759.24	-19.55
HFCs	216.08	233.19	256.70	264.75	277.10	277.53	
PFCs	14.74	5.24	9.64	20.16	18.11	15.31	-93.43
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	
SF <sub>6</sub>	15.91	15.19	15.78	15.75	14.34	13.28	35.93
NF <sub>3</sub>	NO	NO	NO	NO	NO	NO	
<b>Total (without LULUCF)</b>	21,434.02	19,458.96	19,493.93	19,499.83	18,898.33	18,165.82	-10.51
<b>Total (with LULUCF)</b>	16,421.49	14,509.77	14,606.28	14,689.07	14,143.49	13,419.98	-19.42
<b>Total (without LULUCF, with indirect)</b>	21,434.02	19,458.96	19,493.93	19,499.83	18,898.33	18,165.82	-10.51
<b>Total (with LULUCF, with indirect)</b>	16,421.49	14,509.77	14,606.28	14,689.07	14,143.49	13,419.98	-19.42

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
	(%)						
1. Energy	17,697.67	16,092.22	16,165.99	16,175.33	15,622.18	14,878.21	-8.24
2. Industrial processes and product use	1,359.71	1,026.86	1,031.95	1,046.22	1,046.81	1,087.40	-22.58
3. Agriculture	1,770.72	1,781.71	1,741.47	1,713.81	1,689.39	1,675.08	-19.81
4. Land Use, Land-Use Change and Forestry <sup>b</sup>	-5,012.52	-4,949.19	-4,887.65	-4,810.76	-4,754.85	-4,745.84	30.18
5. Waste	605.92	558.17	554.51	564.47	539.95	525.12	-11.35
6. Other	NO	NO	NO	NO	NO	NO	
<b>Total (including LULUCF)</b>	16,421.49	14,509.77	14,606.28	14,689.07	14,143.49	13,419.98	-19.42

## Notes:

(1) Further detailed information could be found in the common reporting format tables of the Party's greenhouse gas inventory, namely "Emission trends (CO<sub>2</sub>)", "Emission trends (CH<sub>4</sub>)", "Emission trends (N<sub>2</sub>O)" and "Emission trends (HFCs, PFCs and SF<sub>6</sub>)", which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO<sub>2</sub> eq equals 1 Gg CO<sub>2</sub> eq.

Abbreviation: LULUCF = land use, land-use change and forestry.

<sup>a</sup> The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

<sup>b</sup> Includes net CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O from LULUCF.

## Custom Footnotes

Table 1 (a)  
Emission trends (CO<sub>2</sub>)  
(Sheet 1 of 3)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
<b>1. Energy</b>	15,530.23	13,907.90	13,051.54	13,047.13	13,541.55	13,707.92	14,332.75	14,998.90	15,303.85
A. Fuel combustion (sectoral approach)	15,409.58	13,809.28	12,960.56	12,929.30	13,435.50	13,606.14	14,216.39	14,885.45	15,182.61
1. Energy industries	6,811.86	6,347.53	5,406.77	5,937.31	5,728.14	5,511.35	5,698.79	5,303.50	5,723.18
2. Manufacturing industries and construction	4,408.33	3,118.60	3,071.32	2,671.71	2,496.43	2,665.91	2,607.07	2,471.45	2,209.21
3. Transport	1,974.99	2,665.74	2,515.28	2,591.46	2,989.02	3,294.30	3,617.44	4,187.30	4,252.39
4. Other sectors	2,173.30	1,645.66	1,960.34	1,727.45	2,220.54	2,133.21	2,291.71	2,921.84	2,996.47
5. Other	41.09	31.75	6.85	1.37	1.37	1.37	1.37	1.37	1.37
B. Fugitive emissions from fuels	120.66	98.62	90.98	117.83	105.85	101.78	116.36	113.45	121.23
1. Solid fuels	120.44	98.38	90.76	117.63	105.67	101.61	116.17	113.29	121.08
2. Oil and natural gas and other emissions from energy production	0.21	0.24	0.22	0.19	0.18	0.17	0.19	0.16	0.15
C. CO <sub>2</sub> transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>2. Industrial processes</b>	1,077.40	1,127.61	903.96	905.46	707.52	886.04	888.75	893.23	940.31
A. Mineral industry	755.59	706.24	595.28	519.07	420.85	536.76	553.03	574.01	589.50
B. Chemical industry	75.82	65.66	56.75	37.00	34.29	59.51	74.60	68.71	84.10
C. Metal industry	234.96	342.89	239.49	336.10	237.84	274.23	244.76	231.81	247.09
D. Non-energy products from fuels and solvent use	11.02	12.84	12.44	13.29	14.56	15.53	16.37	18.71	19.62
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Agriculture</b>	53.09	52.67	51.66	56.68	54.99	55.18	56.27	53.80	52.97
A. Enteric fermentation									
B. Manure management									
C. Rice cultivation									
D. Agricultural soils									
E. Prescribed burning of savannas									
F. Field burning of agricultural residues									
G. Liming	44.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00	41.29
H. Urea application	9.09	8.67	7.66	12.68	10.99	11.18	12.27	9.80	11.67
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	NO	NO	NO
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>4. Land Use, Land-Use Change and Forestry</b>	-3,659.01	-3,205.18	-3,083.55	-3,051.36	-3,025.13	-3,074.81	-3,072.69	-5,802.05	-5,704.09
A. Forest land	-5,094.25	-5,085.70	-5,087.46	-5,100.97	-5,116.02	-5,119.13	-5,115.93	-7,791.88	-7,777.11
B. Cropland	273.40	284.12	289.82	287.03	288.07	290.96	295.74	299.67	302.31
C. Grassland	710.89	735.26	741.36	747.45	753.55	759.64	765.74	771.83	777.92
D. Wetlands	45.07	46.16	46.44	46.71	46.99	47.26	47.53	47.81	48.08
E. Settlements	712.91	729.81	734.03	738.26	742.49	746.71	750.94	757.82	764.68
F. Other land	149.98	152.17	152.72	153.27	153.82	154.37	154.91	155.46	156.01
G. Harvested wood products	-457.01	-67.02	39.54	76.88	105.99	45.38	28.39	-42.76	24.01
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Waste</b>	1.34	1.34	1.34	1.34	1.34	0.86	0.44	0.64	0.30
A. Solid waste disposal	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
B. Biological treatment of solid waste									
C. Incineration and open burning of waste	1.34	1.34	1.34	1.34	1.34	0.86	0.44	0.64	0.30
D. Waste water treatment and discharge									
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Memo items:</b>									
<b>International bunkers</b>	57.10	48.05	20.81	32.93	47.00	52.51	56.19	51.93	54.70
Aviation	57.10	48.05	20.81	32.93	47.00	52.51	56.19	51.93	54.70
Navigation	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
<b>Multilateral operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	0.19
<b>CO<sub>2</sub> emissions from biomass</b>	2,350.27	2,177.85	2,118.93	2,131.36	2,119.16	2,148.50	2,123.14	2,169.94	2,203.09
<b>CO<sub>2</sub> captured</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Long-term storage of C in waste disposal sites</b>	2,141.33	2,737.52	2,902.21	3,083.31	3,268.04	3,456.74	3,662.06	3,872.60	4,088.36
<b>Indirect N<sub>2</sub>O</b>									
<b>Indirect CO<sub>2</sub> (3)</b>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
<b>Total CO<sub>2</sub> equivalent emissions without land use, land-use change and forestry</b>	20,300.04	18,562.49	17,243.53	17,355.40	17,551.31	17,955.30	18,694.94	19,370.95	19,751.95
<b>Total CO<sub>2</sub> equivalent emissions with land use, land-use change and forestry</b>	16,654.48	15,374.19	14,177.08	14,319.44	14,539.63	14,893.84	15,636.64	13,584.00	14,064.07
<b>Total CO<sub>2</sub> equivalent emissions, including indirect CO<sub>2</sub>, without land use, land-use change and forestry</b>	16,662.06	15,089.52	14,008.50	14,010.61	14,305.20	14,649.99	15,278.21	15,946.56	16,297.42
<b>Total CO<sub>2</sub> equivalent emissions, including indirect CO<sub>2</sub>, with land use, land-use change and forestry</b>	13,003.05	11,884.34	10,924.95	10,959.25	11,280.08	11,575.18	12,205.52	10,144.51	10,593.33

Note: All footnotes for this table are given on sheet 3.

Table 1 (a)  
Emission trends (CO<sub>2</sub>)  
(Sheet 2 of 3)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>I. Energy</b>	15,042.63	14,399.54	14,488.23	15,376.64	15,537.48	15,253.71	15,595.20	15,834.02	16,009.98	16,124.45
A. Fuel combustion (sectoral approach)	14,928.32	14,284.10	14,372.41	15,243.36	15,395.57	15,097.23	15,436.16	15,670.33	15,831.88	15,939.51
1. Energy industries	5,960.75	5,264.75	5,569.05	6,284.05	6,535.11	6,261.58	6,393.48	6,418.94	6,474.61	6,695.16
2. Manufacturing industries and construction	2,266.37	2,283.17	2,250.46	2,191.32	2,223.87	2,139.77	2,257.46	2,445.57	2,553.88	2,310.09
3. Transport	3,671.11	3,489.46	3,631.62	3,758.69	3,773.20	3,914.87	4,070.27	4,346.32	4,568.10	5,147.84
4. Other sectors	3,027.41	3,243.86	2,918.23	3,006.06	2,860.15	2,777.78	2,711.56	2,456.20	2,231.99	1,782.96
5. Other	2.68	2.86	3.05	3.24	3.24	3.24	3.39	3.30	3.30	3.46
B. Fugitive emissions from fuels	114.31	115.44	115.82	133.28	141.91	156.47	159.04	163.69	178.11	184.94
1. Solid fuels	114.18	115.30	115.68	133.15	141.77	156.38	158.95	163.60	178.02	184.85
2. Oil and natural gas and other emissions from energy production	0.13	0.13	0.13	0.13	0.14	0.09	0.09	0.09	0.09	0.09
C. CO <sub>2</sub> transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>2. Industrial processes</b>	909.79	925.50	949.14	987.35	964.20	1,016.81	1,032.14	1,082.39	1,117.36	1,139.11
A. Mineral industry	603.69	605.39	609.96	635.29	565.91	576.52	598.36	647.01	685.30	717.90
B. Chemical industry	92.26	94.59	92.66	98.26	90.33	109.73	100.05	110.74	115.66	112.25
C. Metal industry	195.31	206.61	226.45	232.60	287.10	308.47	312.18	302.22	293.58	285.15
D. Non-energy products from fuels and solvent use	18.54	18.91	20.07	21.20	20.86	22.09	21.55	22.42	22.82	23.81
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Agriculture</b>	50.33	47.50	45.01	42.50	40.71	37.94	33.09	31.27	28.00	24.73
A. Enteric fermentation										
B. Manure management										
C. Rice cultivation										
D. Agricultural soils										
E. Prescribed burning of savannas										
F. Field burning of agricultural residues										
G. Liming	38.58	35.87	33.17	30.46	27.75	25.04	22.33	19.62	16.91	14.20
H. Urea application	11.75	11.62	11.84	12.04	12.97	12.90	10.76	11.65	11.09	10.52
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>4. Land Use, Land-Use Change and Forestry</b>	-5,755.75	-5,718.28	-5,749.81	-7,045.26	-7,079.41	-7,027.58	-7,146.20	-7,163.07	-7,143.02	-5,532.46
A. Forest land	-7,752.30	-7,762.84	-7,764.21	-9,098.45	-9,134.70	-9,079.94	-9,190.41	-9,214.51	-9,190.10	-7,516.08
B. Cropland	307.59	310.16	311.54	318.70	316.86	320.70	323.43	326.82	329.66	333.26
C. Grassland	784.02	790.11	796.21	810.39	824.58	838.76	852.95	867.13	883.61	900.09
D. Wetlands	48.36	48.63	48.90	49.54	50.18	50.83	51.47	52.11	52.83	53.56
E. Settlements	771.54	778.38	785.21	793.31	801.43	809.57	817.73	825.91	834.11	840.61
F. Other land	156.56	157.10	157.65	158.93	160.22	161.50	162.78	164.06	165.51	166.96
G. Harvested wood products	-71.50	-39.82	-85.11	-77.69	-97.97	-128.98	-164.13	-184.59	-218.64	-310.86
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Waste</b>	0.72	1.76	2.16	2.19	1.92	2.72	2.37	2.27	2.75	3.40
A. Solid waste disposal	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
B. Biological treatment of solid waste										
C. Incineration and open burning of waste	0.72	1.76	2.16	2.19	1.92	2.72	2.37	2.27	2.75	3.40
D. Waste water treatment and discharge										
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Memo items:</b>										
<b>International bunkers</b>	48.89	58.62	67.60	76.54	78.91	75.23	56.27	128.31	162.16	248.86
Aviation	48.89	58.62	67.60	76.54	78.91	75.23	56.27	60.90	69.81	93.40
Navigation	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	67.41	92.35	155.47
Multilateral operations	0.25	0.37	0.50	0.56	0.56	0.62	0.62	0.44	0.44	0.44
CO <sub>2</sub> emissions from biomass	2,226.43	1,946.83	1,984.05	1,974.07	2,041.10	2,196.91	2,246.58	2,392.69	2,335.42	2,324.87
CO <sub>2</sub> captured	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Long-term storage of C in waste disposal sites	4,312.85	4,542.93	4,782.59	5,017.71	5,253.94	5,478.31	5,682.81	5,881.84	6,084.88	6,265.07
<b>Indirect N<sub>2</sub>O</b>										
<b>Indirect CO<sub>2</sub> (3)</b>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
Total CO <sub>2</sub> equivalent emissions without land use, land-use change and forestry	19,480.81	18,832.67	19,073.97	19,969.24	20,114.95	19,831.78	20,144.39	20,455.86	20,640.91	20,765.38
Total CO <sub>2</sub> equivalent emissions with land use, land-use change and forestry	13,744.01	13,130.31	13,338.54	12,939.37	13,049.58	12,831.72	13,012.24	13,307.48	13,521.14	15,247.33
Total CO <sub>2</sub> equivalent emissions, including indirect CO <sub>2</sub> , without land use, land-use change and forestry	16,003.47	15,374.30	15,484.54	16,408.67	16,544.32	16,311.17	16,662.80	16,949.95	17,158.09	17,291.68
Total CO <sub>2</sub> equivalent emissions, including indirect CO <sub>2</sub> , with land use, land-use change and forestry	10,247.72	9,656.02	9,734.73	9,363.41	9,464.91	9,283.59	9,516.60	9,786.88	10,015.07	11,759.22

Note: All footnotes for this table are given on sheet 3.

Table 1(a)

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**Emission trends (CO<sub>2</sub>)**  
**(Sheet 3 of 3)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
	%						
<b>1. Energy</b>	17,126.96	15,564.69	15,641.33	15,650.36	15,114.33	14,398.00	-7.29
A. Fuel combustion (sectoral approach)	16,957.16	15,393.17	15,469.08	15,465.62	14,926.24	14,244.97	-7.56
1. Energy industries	6,465.43	6,180.71	6,309.27	6,328.10	6,022.93	5,744.81	-15.66
2. Manufacturing industries and construction	2,274.92	1,910.65	1,886.67	1,692.83	1,627.11	1,622.64	-63.19
3. Transport	6,069.80	5,263.09	5,204.29	5,633.44	5,706.09	5,395.66	173.20
4. Other sectors	2,143.48	2,035.40	2,065.99	1,807.90	1,566.75	1,478.87	-31.95
5. Other	3.53	3.31	2.87	3.34	3.35	2.99	-92.72
B. Fugitive emissions from fuels	169.80	171.53	172.25	184.74	188.10	153.03	26.83
1. Solid fuels	169.72	171.45	172.16	184.67	188.02	152.96	27.00
2. Oil and natural gas and other emissions from energy production	0.08	0.08	0.09	0.07	0.07	0.07	-67.45
C. CO <sub>2</sub> transport and storage	NO	NO	NO	NO	NO	NO	
<b>2. Industrial processes</b>	1,081.20	737.44	715.91	698.18	678.85	745.52	-30.80
A. Mineral industry	764.90	528.61	488.92	434.05	416.82	476.69	-36.91
B. Chemical industry	75.09	71.63	70.46	48.48	36.24	45.40	-40.13
C. Metal industry	215.70	113.10	137.44	195.65	206.28	207.78	-11.57
D. Non-energy products from fuels and solvent use	25.50	24.10	19.09	20.01	19.51	15.65	42.00
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	
H. Other	NA	NA	NA	NA	NA	NA	
<b>3. Agriculture</b>	18.90	22.27	17.18	12.99	11.90	11.01	-79.26
A. Enteric fermentation							
B. Manure management							
C. Rice cultivation							
D. Agricultural soils							
E. Prescribed burning of savannas							
F. Field burning of agricultural residues							
G. Liming	11.50	8.79	6.08	3.37	0.66	0.66	-98.50
H. Urea application	7.41	13.48	11.10	9.62	11.24	10.35	13.90
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	
J. Other	NO	NO	NO	NO	NO	NO	
<b>4. Land Use, Land-Use Change and Forestry</b>	-5,026.37	-4,963.76	-4,901.56	-4,825.79	-4,774.50	-4,759.72	30.08
A. Forest land	-7,113.46	-7,118.12	-7,131.33	-7,133.55	-7,114.40	-7,158.92	40.53
B. Cropland	335.01	337.01	339.52	343.75	346.01	347.31	27.03
C. Grassland	911.70	923.30	934.91	946.51	958.12	969.73	36.41
D. Wetlands	54.09	54.62	55.15	55.68	56.21	56.75	25.91
E. Settlements	846.74	852.87	859.01	865.15	871.29	877.44	23.08
F. Other land	168.03	169.09	170.15	171.21	172.28	173.34	15.57
G. Harvested wood products	-228.47	-182.54	-128.97	-74.56	-64.02	-25.37	-94.45
H. Other	NO	NO	NO	NO	NO	NO	
<b>5. Waste</b>	3.57	4.41	5.23	5.25	5.41	11.74	777.64
A. Solid waste disposal	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	
B. Biological treatment of solid waste							
C. Incineration and open burning of waste	3.57	4.41	5.23	5.25	5.41	11.74	777.64
D. Waste water treatment and discharge							
E. Other	NO	NO	NO	NO	NO	NO	
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	
<b>Memo items:</b>							
<b>International bunkers</b>	313.47	180.89	131.91	172.86	226.93	270.97	374.57
Aviation	103.80	77.74	73.06	69.12	66.39	72.92	27.70
Navigation	209.66	103.14	58.84	103.74	160.53	198.05	
<b>Multilateral operations</b>	0.45	0.41	0.38	0.45	0.17	0.43	
<b>CO<sub>2</sub> emissions from biomass</b>	2,623.84	2,687.03	2,718.90	2,863.66	2,906.01	2,967.36	26.26
<b>CO<sub>2</sub> captured</b>	NO	NO	NO	NO	NO	NO	
<b>Long-term storage of C in waste disposal sites</b>	6,435.29	6,577.43	6,682.95	6,754.59	6,796.07	6,823.19	218.64
<b>Indirect N<sub>2</sub>O</b>							
<b>Indirect CO<sub>2</sub> (3)</b>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	
<b>Total CO<sub>2</sub> equivalent emissions without land use, land-use change and forestry</b>	21,434.02	19,458.96	19,493.93	19,499.83	18,898.33	18,165.82	-10.51
<b>Total CO<sub>2</sub> equivalent emissions with land use, land-use change and forestry</b>	16,421.49	14,509.77	14,606.28	14,689.07	14,143.49	13,419.98	-19.42
<b>Total CO<sub>2</sub> equivalent emissions, including indirect CO<sub>2</sub>, without land use, land-use change and forestry</b>	18,230.63	16,328.82	16,379.65	16,366.78	15,810.49	15,166.27	-8.98
<b>Total CO<sub>2</sub> equivalent emissions, including indirect CO<sub>2</sub>, with land use, land-use change and forestry</b>	13,204.27	11,365.05	11,478.09	11,540.99	11,035.99	10,406.55	-19.97

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

<sup>a</sup> The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

<sup>b</sup> Fill in net emissions/removals as reported in CRF table Summary 1.A of the latest reported inventory year. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

Custom Footnotes

Table 1(b)

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**Emission trends (CH<sub>4</sub>)**  
**(Sheet 1 of 3)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
<b>1. Energy</b>	20.63	18.46	17.26	18.14	17.02	16.50	16.98	16.48	17.39
A. Fuel combustion (sectoral approach)	1.85	2.03	1.93	2.02	2.14	2.22	2.22	2.32	2.23
1. Energy industries	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.06
2. Manufacturing industries and construction	0.30	0.23	0.18	0.18	0.16	0.17	0.16	0.18	0.18
3. Transport	0.90	1.17	1.11	1.21	1.33	1.40	1.40	1.47	1.38
4. Other sectors	0.57	0.56	0.57	0.56	0.58	0.58	0.58	0.61	0.61
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	18.78	16.43	15.33	16.12	14.88	14.28	14.76	14.16	15.16
1. Solid fuels	17.10	14.43	13.47	14.58	13.39	12.78	12.97	12.47	13.34
2. Oil and natural gas and other emissions from energy production	1.69	2.00	1.86	1.54	1.49	1.50	1.80	1.70	1.82
C. CO <sub>2</sub> transport and storage									
<b>2. Industrial processes</b>	0.22	0.20	0.21	0.02	0.04	0.15	0.22	0.20	0.30
A. Mineral industry									
B. Chemical industry	0.20	0.18	0.20	0.01	0.03	0.14	0.21	0.19	0.29
C. Metal industry	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Agriculture</b>	56.07	54.36	51.24	52.62	50.18	50.38	50.16	48.62	46.90
A. Enteric fermentation	39.28	37.43	35.42	35.89	34.25	34.56	36.12	35.39	33.44
B. Manure management	16.79	16.93	15.82	16.73	15.93	15.82	14.04	13.23	13.46
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming									
H. Urea application									
I. Other carbon-containing fertilizers									
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>4. Land use, land-use change and forestry</b>	IE, NE, NO	0.12	0.13	0.07	IE, NE, NO	IE, NE, NO	0.04	0.06	0.10
A. Forest land	IE, NE, NO	0.12	0.13	0.07	IE, NE, NO	IE, NE, NO	0.04	0.06	0.10
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products									
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Waste</b>	21.66	23.71	23.98	24.26	24.78	25.06	25.24	25.56	26.27
A. Solid waste disposal	14.88	17.33	17.70	18.09	18.60	19.11	19.31	19.69	20.47
B. Biological treatment of solid waste	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Incineration and open burning of waste	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Waste water treatment and discharge	6.78	6.38	6.28	6.17	6.18	5.95	5.93	5.87	5.80
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total CH<sub>4</sub> emissions without CH<sub>4</sub> from LULUCF</b>	98.59	96.73	92.69	95.04	92.01	92.08	92.60	90.85	90.86
<b>Total CH<sub>4</sub> emissions with CH<sub>4</sub> from LULUCF</b>	98.59	96.85	92.81	95.11	92.01	92.08	92.63	90.91	90.96
<b>Memo items:</b>									
<b>International bunkers</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navigation	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
<b>Multilateral operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	0.00
<b>CO<sub>2</sub> emissions from biomass</b>									
<b>CO<sub>2</sub> captured</b>									
<b>Long-term storage of C in waste disposal sites</b>									
<b>Indirect N<sub>2</sub>O</b>									
<b>Indirect CO<sub>2</sub> (3)</b>									

Note: All footnotes for this table are given on sheet 3.

Table 1(b)

SVN\_BR2\_v1.0

**Emission trends (CH<sub>4</sub>)**  
**(Sheet 2 of 3)**

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>1. Energy</b>	17.27	16.18	15.90	14.93	16.25	16.77	16.54	15.85	15.67	15.64
A. Fuel combustion (sectoral approach)	1.97	1.76	1.71	1.66	1.60	1.57	1.44	1.42	1.37	1.31
1. Energy industries	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.09	0.09
2. Manufacturing industries and construction	0.19	0.11	0.12	0.16	0.17	0.20	0.17	0.19	0.19	0.17
3. Transport	1.10	0.97	0.93	0.88	0.81	0.74	0.65	0.58	0.53	0.50
4. Other sectors	0.61	0.62	0.60	0.55	0.55	0.56	0.56	0.56	0.56	0.55
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	15.31	14.42	14.19	13.27	14.65	15.20	15.10	14.43	14.30	14.32
1. Solid fuels	13.48	12.54	12.28	11.31	12.77	13.13	13.06	12.33	12.27	12.25
2. Oil and natural gas and other emissions from energy production	1.82	1.88	1.91	1.95	1.88	2.07	2.04	2.10	2.04	2.07
C. CO <sub>2</sub> transport and storage										
<b>2. Industrial processes</b>	0.30	0.33	0.31	0.34	0.30	0.37	0.31	0.35	0.31	0.34
A. Mineral industry										
B. Chemical industry	0.29	0.31	0.30	0.32	0.28	0.35	0.28	0.33	0.30	0.34
C. Metal industry	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.00
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Agriculture</b>	47.92	47.63	50.83	50.02	52.02	49.23	48.07	48.79	48.57	50.55
A. Enteric fermentation	34.13	35.61	37.90	37.20	38.34	36.21	35.93	36.56	36.44	38.03
B. Manure management	13.79	12.02	12.93	12.82	13.68	13.02	12.14	12.24	12.13	12.52
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming										
H. Urea application										
I. Other carbon-containing fertilizers										
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>4. Land use, land-use change and forestry</b>	0.20	0.09	0.04	0.07	0.02	0.49	0.02	0.05	0.35	0.04
A. Forest land	0.20	0.09	0.04	0.07	0.02	0.49	0.02	0.05	0.35	0.04
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products										
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Waste</b>	27.04	27.81	28.56	29.31	29.90	30.13	30.35	29.83	28.32	26.29
A. Solid waste disposal	21.24	21.98	22.73	23.48	23.94	24.17	24.50	24.21	23.01	21.58
B. Biological treatment of solid waste	NO	NO	NO	NO	0.13	0.13	0.09	0.06	0.05	0.06
C. Incineration and open burning of waste	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Waste water treatment and discharge	5.80	5.82	5.83	5.83	5.83	5.84	5.76	5.57	5.26	4.65
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total CH<sub>4</sub> emissions without CH<sub>4</sub> from LULUCF</b>	92.54	91.94	95.60	94.60	98.46	96.50	95.28	94.82	92.88	92.82
<b>Total CH<sub>4</sub> emissions with CH<sub>4</sub> from LULUCF</b>	92.73	92.03	95.64	94.67	98.49	97.00	95.30	94.87	93.23	92.85
<b>Memo items:</b>										
<b>International bunkers</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navigation	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	0.00	0.00	0.01
<b>Multilateral operations</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>CO<sub>2</sub> emissions from biomass</b>										
<b>CO<sub>2</sub> captured</b>										
<b>Long-term storage of C in waste disposal sites</b>										
<b>Indirect N<sub>2</sub>O</b>										
<b>Indirect CO<sub>2</sub> (3)</b>										

Note: All footnotes for this table are given on sheet 3.

Table 1(b)

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**Emission trends (CH<sub>4</sub>)**

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
	%						
<b>1. Energy</b>	15.61	15.16	15.20	15.10	14.37	13.40	-35.05
A. Fuel combustion (sectoral approach)	1.39	1.32	1.29	1.31	1.26	1.24	-33.22
1. Energy industries	0.14	0.11	0.11	0.12	0.11	0.11	41.34
2. Manufacturing industries and construction	0.17	0.15	0.17	0.15	0.13	0.15	-50.86
3. Transport	0.50	0.43	0.39	0.39	0.35	0.32	-64.78
4. Other sectors	0.58	0.63	0.62	0.66	0.66	0.66	15.66
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	-92.72
B. Fugitive emissions from fuels	14.22	13.84	13.91	13.79	13.11	12.17	-35.23
1. Solid fuels	12.24	11.99	11.99	12.17	11.57	10.68	-37.56
2. Oil and natural gas and other emissions from energy production	1.97	1.85	1.92	1.62	1.54	1.49	-11.58
C. CO <sub>2</sub> transport and storage							
<b>2. Industrial processes</b>	0.21	0.24	0.19	NO, NA	NO, NA	NO, NA	
A. Mineral industry							
B. Chemical industry	0.21	0.24	0.19	NO, NA	NO, NA	NO, NA	
C. Metal industry	0.00	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	
H. Other	NA	NA	NA	NA	NA	NA	
<b>3. Agriculture</b>	48.81	48.29	47.29	46.95	46.41	46.09	-17.80
A. Enteric fermentation	37.15	36.55	36.06	36.06	35.92	35.57	-9.46
B. Manure management	11.65	11.74	11.23	10.89	10.49	10.53	-37.31
C. Rice cultivation	NO	NO	NO	NO	NO	NO	
D. Agricultural soils	NO	NO	NO	NO	NO	NO	
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	
G. Liming							
H. Urea application							
I. Other carbon-containing fertilizers							
J. Other	NO	NO	NO	NO	NO	NO	
<b>4. Land use, land-use change and forestry</b>	0.02	0.04	0.02	0.06	0.22	0.02	
A. Forest land	0.02	0.04	0.02	0.06	0.22	0.02	
B. Cropland	NO	NO	NO	NO	NO	NO	
C. Grassland	NO	NO	NO	NO	NO	NO	
D. Wetlands	NO	NO	NO	NO	NO	NO	
E. Settlements	NO	NO	NO	NO	NO	NO	
F. Other land	NO	NO	NO	NO	NO	NO	
G. Harvested wood products							
H. Other	NO	NO	NO	NO	NO	NO	
<b>5. Waste</b>	22.02	20.04	19.85	20.24	19.25	18.41	-15.00
A. Solid waste disposal	18.44	16.35	16.04	16.35	15.70	14.65	-1.53
B. Biological treatment of solid waste	0.07	0.09	0.11	0.20	0.20	0.19	
C. Incineration and open burning of waste	NO	NO	NO	NO	NO	NO	
D. Waste water treatment and discharge	3.52	3.60	3.70	3.69	3.36	3.57	-47.34
E. Other	NO	NO	NO	NO	NO	NO	
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	
<b>Total CH<sub>4</sub> emissions without CH<sub>4</sub> from LULUCF</b>	86.65	83.73	82.53	82.30	80.04	77.90	-20.98
<b>Total CH<sub>4</sub> emissions with CH<sub>4</sub> from LULUCF</b>	86.66	83.77	82.55	82.36	80.26	77.92	-20.96
<b>Memo items:</b>							
<b>International bunkers</b>	0.01	0.01	0.00	0.01	0.01	0.01	1,322.79
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	27.70
Navigation	0.01	0.01	0.00	0.01	0.01	0.01	
<b>Multilateral operations</b>	0.00	0.00	0.00	0.00	0.00	0.00	
<b>CO<sub>2</sub> emissions from biomass</b>							
<b>CO<sub>2</sub> captured</b>							
<b>Long-term storage of C in waste disposal sites</b>							
<b>Indirect N<sub>2</sub>O</b>							
<b>Indirect CO<sub>2</sub> (3)</b>							

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forest

<sup>a</sup> The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Custom Footnotes

Table 1(c)

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**Emission trends (N<sub>2</sub>O)**  
**(Sheet 1 of 3)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
<b>1. Energy</b>	0.56	0.49	0.47	0.44	0.56	0.73	0.90	1.11	1.13
A. Fuel combustion (sectoral approach)	0.56	0.49	0.47	0.44	0.56	0.73	0.90	1.11	1.13
1. Energy industries	0.09	0.09	0.08	0.09	0.08	0.08	0.08	0.08	0.08
2. Manufacturing industries and construction	0.13	0.08	0.07	0.06	0.05	0.06	0.07	0.07	0.07
3. Transport	0.10	0.13	0.12	0.11	0.25	0.40	0.57	0.79	0.80
4. Other sectors	0.24	0.19	0.20	0.18	0.17	0.18	0.17	0.17	0.17
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
2. Oil and natural gas and other emissions from energy production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. CO <sub>2</sub> transport and storage									
<b>2. Industrial processes</b>	0.26	0.14	0.12	0.09	0.06	0.06	0.06	0.06	0.06
A. Mineral industry									
B. Chemical industry	NO	NO	NO	NO	NO	NO	NO	NO	0.00
C. Metal industry	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	0.26	0.14	0.12	0.09	0.06	0.06	0.06	0.06	0.06
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Agriculture</b>	2.13	2.01	1.87	2.13	1.94	1.96	2.00	1.96	2.01
A. Enteric fermentation									
B. Manure management	0.59	0.55	0.53	0.50	0.45	0.44	0.48	0.48	0.49
C. Rice cultivation									
D. Agricultural soils	1.54	1.46	1.34	1.63	1.49	1.52	1.52	1.48	1.53
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming									
H. Urea application									
I. Other carbon containing fertilizers									
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>4. Land use, land-use change and forestry</b>	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05
A. Forest land	IE, NE, NO	0.00	0.00	0.00	IE, NE, NO	IE, NE, NO	0.00	0.00	0.00
B. Cropland	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products									
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Waste</b>	0.17	0.17	0.16	0.13	0.14	0.15	0.16	0.16	0.16
A. Solid waste disposal									
B. Biological treatment of solid waste	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Incineration and open burning of waste	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Waste water treatment and discharge	0.17	0.17	0.16	0.13	0.14	0.15	0.16	0.16	0.16
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total direct N<sub>2</sub>O emissions without N<sub>2</sub>O from LULUCF</b>	3.12	2.81	2.61	2.79	2.71	2.90	3.11	3.29	3.36
<b>Total direct N<sub>2</sub>O emissions with N<sub>2</sub>O from LULUCF</b>	3.17	2.86	2.66	2.83	2.75	2.95	3.15	3.33	3.41
<b>Memo items:</b>									
<b>International bunkers</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navigation	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
<b>Multilateral operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	0.00
<b>CO<sub>2</sub> emissions from biomass</b>									
<b>CO<sub>2</sub> captured</b>									
<b>Long-term storage of C in waste disposal sites</b>									
<b>Indirect N<sub>2</sub>O</b>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
<b>Indirect CO<sub>2</sub> (3)</b>									

Note: All footnotes for this table are given on sheet 3.

Table 1(c)

SVN\_BR2\_v1.0

**Emission trends (N<sub>2</sub>O)**  
**(Sheet 2 of 3)**

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>1. Energy</b>	1.02	0.96	1.00	0.99	0.56	0.56	0.55	0.56	0.58	0.57
A. Fuel combustion (sectoral approach)	1.02	0.96	1.00	0.99	0.56	0.56	0.55	0.56	0.58	0.57
1. Energy industries	0.09	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.10
2. Manufacturing industries and construction	0.08	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.11	0.09
3. Transport	0.68	0.65	0.68	0.67	0.24	0.24	0.23	0.22	0.22	0.23
4. Other sectors	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
2. Oil and natural gas and other emissions from energy production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. CO <sub>2</sub> transport and storage										
<b>2. Industrial processes</b>	0.09	0.10	0.14	0.12	0.12	0.11	0.13	0.14	0.14	0.14
A. Mineral industry										
B. Chemical industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NO	NO
C. Metal industry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	0.09	0.10	0.14	0.12	0.12	0.11	0.13	0.14	0.14	0.14
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Agriculture</b>	2.05	2.06	2.08	2.07	2.12	2.02	1.90	1.91	1.91	1.93
A. Enteric fermentation										
B. Manure management	0.49	0.49	0.46	0.45	0.47	0.44	0.40	0.42	0.40	0.40
C. Rice cultivation										
D. Agricultural soils	1.56	1.57	1.62	1.61	1.65	1.58	1.50	1.49	1.51	1.53
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming										
H. Urea application										
I. Other carbon containing fertilizers										
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>4. Land use, land-use change and forestry</b>	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
A. Forest land	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
B. Cropland	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products										
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Waste</b>	0.16	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17	0.17
A. Solid waste disposal										
B. Biological treatment of solid waste	NO	NO	NO	NO	0.01	0.01	0.01	0.00	0.00	0.00
C. Incineration and open burning of waste	0.00	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	0.16	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Total direct N<sub>2</sub>O emissions without N<sub>2</sub>O from LULUCF</b>	3.32	3.30	3.39	3.34	2.97	2.86	2.75	2.78	2.80	2.81
<b>Total direct N<sub>2</sub>O emissions with N<sub>2</sub>O from LULUCF</b>	3.36	3.35	3.43	3.38	3.02	2.91	2.80	2.82	2.85	2.85
<b>Memo items:</b>										
<b>International bunkers</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.06
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navigation	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	0.03	0.04	0.06
<b>Multilateral operations</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>CO<sub>2</sub> emissions from biomass</b>										
<b>CO<sub>2</sub> captured</b>										
<b>Long-term storage of C in waste disposal sites</b>										
<b>Indirect N<sub>2</sub>O</b>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
<b>Indirect CO<sub>2</sub> (3)</b>										

Note: All footnotes for this table are given on sheet 3.

Table 1(c)

SVN\_BR2\_v1.0

Emission trends (N<sub>2</sub>O)

(Sheet 3 of 3)

	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>							
	%						
<b>1. Energy</b>	0.61	0.50	0.49	0.49	0.50	0.49	-13.65
A. Fuel combustion (sectoral approach)	0.61	0.50	0.49	0.49	0.50	0.49	-13.65
1. Energy industries	0.10	0.09	0.09	0.10	0.09	0.09	-3.73
2. Manufacturing industries and construction	0.09	0.08	0.06	0.05	0.05	0.05	-61.66
3. Transport	0.25	0.17	0.17	0.18	0.19	0.19	80.83
4. Other sectors	0.16	0.16	0.16	0.16	0.16	0.16	-31.42
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	-92.72
B. Fugitive emissions from fuels	0.00	0.00	0.00	0.00	0.00	0.00	-97.46
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
2. Oil and natural gas and other emissions from energy production	0.00	0.00	0.00	0.00	0.00	0.00	-97.46
C. CO <sub>2</sub> transport and storage							
<b>2. Industrial processes</b>	0.09	0.10	0.10	0.16	0.20	0.12	-54.58
A. Mineral industry							
B. Chemical industry	NO	NO	NO	NO	NO	NO	
C. Metal industry	NA	NA	NA	NA	NA	NA	
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	0.09	0.10	0.10	0.16	0.20	0.12	-54.58
H. Other	NA	NA	NA	NA	NA	NA	
<b>3. Agriculture</b>	1.78	1.85	1.82	1.77	1.74	1.72	-19.27
A. Enteric fermentation							
B. Manure management	0.37	0.37	0.36	0.33	0.33	0.32	-45.39
C. Rice cultivation							
D. Agricultural soils	1.42	1.48	1.46	1.43	1.41	1.40	-9.28
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	
G. Liming							
H. Urea application							
I. Other carbon containing fertilizers							
J. Other	NO	NO	NO	NO	NO	NO	
<b>4. Land use, land-use change and forestry</b>	0.05	0.05	0.05	0.05	0.05	0.05	-0.21
A. Forest land	0.00	0.00	0.00	0.00	0.00	0.00	
B. Cropland	0.04	0.04	0.04	0.04	0.04	0.04	-0.71
C. Grassland	NO	NO	NO	NO	NO	NO	
D. Wetlands	NO	NO	NO	NO	NO	NO	
E. Settlements	NO	NO	NO	NO	NO	NO	
F. Other land	NO	NO	NO	NO	NO	NO	
G. Harvested wood products							
H. Other	NO	NO	NO	NO	NO	NO	
<b>5. Waste</b>	0.17	0.18	0.18	0.18	0.18	0.18	7.26
A. Solid waste disposal							
B. Biological treatment of solid waste	0.01	0.01	0.01	0.01	0.01	0.01	
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	
D. Waste water treatment and discharge	0.17	0.17	0.17	0.16	0.16	0.16	-1.37
E. Other	NO	NO	NO	NO	NO	NO	
<b>6. Other (as specified in the summary table in CRF)</b>	NO	NO	NO	NO	NO	NO	
<b>Total direct N<sub>2</sub>O emissions without N<sub>2</sub>O from LULUCF</b>	2.65	2.63	2.58	2.60	2.61	2.50	-19.83
<b>Total direct N<sub>2</sub>O emissions with N<sub>2</sub>O from LULUCF</b>	2.70	2.67	2.63	2.65	2.66	2.55	-19.55
<b>Memo items:</b>							
<b>International bunkers</b>	0.09	0.04	0.03	0.04	0.06	0.08	4,884.28
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	27.70
Navigation	0.08	0.04	0.02	0.04	0.06	0.08	
<b>Multilateral operations</b>	0.00	0.00	0.00	0.00	0.00	0.00	
<b>CO<sub>2</sub> emissions from biomass</b>							
<b>CO<sub>2</sub> captured</b>							
<b>Long-term storage of C in waste disposal sites</b>							
<b>Indirect N<sub>2</sub>O</b>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	
<b>Indirect CO<sub>2</sub> (3)</b>							

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

<sup>a</sup> The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Custom Footnotes

Table 1(d)

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**Emission trends (HFCs, PFCs and SF<sub>6</sub>)**  
(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
<b>Emissions of HFCs and PFCs - (kt CO<sub>2</sub> equivalent)</b>	233.19	207.59	129.40	128.18	128.25	128.18	163.15	160.82	167.06
<b>Emissions of HFCs - (kt CO<sub>2</sub> equivalent)</b>	NO	NO	NO	NO	NO	NO	35.01	33.15	38.87
HFC-23	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-32	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-41	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-43-10mee	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-125	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134a	NO	NO	NO	NO	NO	NO	0.02	0.02	0.03
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-152	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-152a	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-161	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-227ea	NO	NO	NO	NO	NO	NO	NO	NO	0.00
HFC-236cb	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236ea	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236fa	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245ca	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245fa	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-365mfc	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of HFCs(4) - (kt CO <sub>2</sub> equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Emissions of PFCs - (kt CO<sub>2</sub> equivalent)</b>	233.19	207.59	129.40	128.18	128.25	128.18	128.14	127.67	128.19
CF <sub>4</sub>	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C <sub>2</sub> F <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C <sub>3</sub> F <sub>8</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>4</sub> F <sub>10</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C <sub>4</sub> F <sub>8</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>5</sub> F <sub>12</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>6</sub> F <sub>14</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>10</sub> F <sub>18</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C <sub>3</sub> F <sub>6</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of PFCs(4) - (kt CO <sub>2</sub> equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Unspecified mix of HFCs and PFCs - (kt CO<sub>2</sub> equivalent)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Emissions of SF<sub>6</sub> - (kt CO<sub>2</sub> equivalent)</b>	9.77	9.83	9.64	9.67	10.54	10.84	12.13	12.88	13.25
SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Emissions of NF<sub>3</sub> - (kt CO<sub>2</sub> equivalent)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
NF <sub>3</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO

Note: All footnotes for this table are given on sheet 3.

Table 1(d)

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**Emission trends (HFCs, PFCs and SF<sub>6</sub>)**  
(Sheet 2 of 3)

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Emissions of HFCs and PFCs - (kt CO<sub>2</sub> equivalent)</b>	162.49	160.92	174.86	185.96	207.11	239.99	262.67	289.24	308.68	299.76
<b>Emissions of HFCs - (kt CO<sub>2</sub> equivalent)</b>	34.40	32.63	45.11	56.70	72.04	100.55	121.98	147.11	174.42	200.08
HFC-23	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-41	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-43-10mcc	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134a	0.02	0.02	0.03	0.03	0.04	0.05	0.07	0.08	0.09	0.10
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-152	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-152a	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-161	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-236cb	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236ea	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236fa	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245ca	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245fa	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-365mfc	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of HFCs(4) - (kt CO <sub>2</sub> equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Emissions of PFCs - (kt CO<sub>2</sub> equivalent)</b>	128.08	128.29	129.75	129.26	135.07	139.44	140.69	142.13	134.26	99.68
CF <sub>4</sub>	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.01
C <sub>2</sub> F <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C <sub>3</sub> F <sub>8</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>4</sub> F <sub>10</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C <sub>4</sub> F <sub>8</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>5</sub> F <sub>12</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>6</sub> F <sub>14</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C <sub>10</sub> F <sub>18</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C <sub>3</sub> F <sub>6</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of PFCs(4) - (kt CO <sub>2</sub> equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Unspecified mix of HFCs and PFCs - (kt CO<sub>2</sub> equivalent)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Emissions of SF<sub>6</sub> - (kt CO<sub>2</sub> equivalent)</b>	12.77	15.36	15.01	15.37	16.54	17.09	17.47	18.00	17.42	16.74
SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Emissions of NF<sub>3</sub> - (kt CO<sub>2</sub> equivalent)</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NF <sub>3</sub>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**Note:** All footnotes for this table are given on sheet 3.

Emission trends (HFCs, PFCs and SF<sub>6</sub>)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
<b>Emissions of HFCs and PFCs - (kt CO<sub>2</sub> equivalent)</b>	230.82	238.43	266.34	284.91	295.21	292.84	25.58
<b>Emissions of HFCs - (kt CO<sub>2</sub> equivalent)</b>	216.08	233.19	256.70	264.75	277.10	277.53	
HFC-23	NO	NO	NO	NO	NO	NO	
HFC-32	0.00	0.00	0.00	0.00	0.01	0.01	
HFC-41	NO	NO	NO	NO	NO	NO	
HFC-43-10mee	NO	NO	NO	NO	NO	NO	
HFC-125	0.01	0.01	0.01	0.01	0.02	0.02	
HFC-134	NO	NO	NO	NO	NO	NO	
HFC-134a	0.11	0.11	0.12	0.11	0.11	0.11	
HFC-143	NO	NO	NO	NO	NO	NO	
HFC-143a	0.01	0.01	0.01	0.01	0.01	0.01	
HFC-152	NO	NO	NO	NO	NO	NO	
HFC-152a	NO	NO	NO	NO	NO	NO	
HFC-161	NO	NO	NO	NO	NO	NO	
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-236cb	NO	NO	NO	NO	NO	NO	
HFC-236ea	NO	NO	NO	NO	NO	NO	
HFC-236fa	NO	NO	NO	NO	NO	NO	
HFC-245ca	NO	NO	NO	NO	NO	NO	
HFC-245fa	NO	NO	NO	NO	NO	NO	
HFC-365mfc	NO	NO	NO	NO	NO	NO	
Unspecified mix of HFCs(4) - (kt CO <sub>2</sub> equivalent)	NO	NO	NO	NO	NO	NO	
<b>Emissions of PFCs - (kt CO<sub>2</sub> equivalent)</b>	14.74	5.24	9.64	20.16	18.11	15.31	-93.43
CF <sub>4</sub>	0.00	0.00	0.00	0.00	0.00	0.00	-93.62
C <sub>2</sub> F <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	-92.28
C <sub>3</sub> F <sub>8</sub>	NO	NO	NO	NO	NO	NO	
C <sub>4</sub> F <sub>10</sub>	NO	NO	NO	NO	NO	NO	
c-C <sub>4</sub> F <sub>8</sub>	NO	NO	NO	NO	NO	NO	
C <sub>5</sub> F <sub>12</sub>	NO	NO	NO	NO	NO	NO	
C <sub>6</sub> F <sub>14</sub>	NO	NO	NO	NO	NO	NO	
C10F18	NO	NO	NO	NO	NO	NO	
c-C3F6	NO	NO	NO	NO	NO	NO	
Unspecified mix of PFCs(4) - (kt CO <sub>2</sub> equivalent)	NO	NO	NO	NO	NO	NO	
<b>Unspecified mix of HFCs and PFCs - (kt CO<sub>2</sub> equivalent)</b>	NO	NO	NO	NO	NO	NO	
<b>Emissions of SF<sub>6</sub> - (kt CO<sub>2</sub> equivalent)</b>	15.91	15.19	15.78	15.75	14.34	13.28	35.93
SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	35.93
<b>Emissions of NF<sub>3</sub> - (kt CO<sub>2</sub> equivalent)</b>	NO	NO	NO	NO	NO	NO	
NF <sub>3</sub>	NO	NO	NO	NO	NO	NO	

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

<sup>a</sup> The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

<sup>c</sup>Enter actual emissions estimates. If only potential emissions estimates are available, these should be reported in this table and an indication for this be provided in the documentation box. Only in these rows are the emissions expressed as CO<sub>2</sub> equivalent emissions.

<sup>d</sup>In accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories", HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is kt of CO<sub>2</sub> equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

## Custom Footnotes

Documentation Box:

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Table 2(a)

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**Description of quantified economy-wide emission reduction target: base year<sup>a</sup>**

<i>Party</i>	<i>Slovenia</i>		
Base year /base period	1990		
Emission reduction target	% of base year/base period		% of 1990 <sup>b</sup>
	20.00	20.00	
Period for reaching target	BY-2020		

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> Optional.

**Description of quantified economy-wide emission reduction target: gases and sectors covered<sup>a</sup>**

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
CO <sub>2</sub>		1990
CH <sub>4</sub>		1990
N <sub>2</sub> O		1990
HFCs		1990
PFCs		1990
SF <sub>6</sub>		1990
NF <sub>3</sub>		
Other Gases (specify)		
Sectors covered <sup>b</sup>	Energy	Yes
	Transport <sup>f</sup>	Yes
	Industrial processes <sup>g</sup>	Yes
	Agriculture	Yes
	LULUCF	Yes
	Waste	Yes
	Other Sectors (specify)	

*Abbreviations* : LULUCF = land use, land-use change and forestry.

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> More than one selection will be allowed. If Parties use sectors other than those indicated above, the explanation of how these sectors relate to the sectors defined by the IPCC should be provided.

<sup>f</sup> Transport is reported as a subsector of the energy sector.

<sup>g</sup> Industrial processes refer to the industrial processes and solvent and other product use sectors.

**Description of quantified economy-wide emission reduction target: global warming potential values (GWP)<sup>a</sup>**

<i>Gases</i>	<i>GWP values<sup>b</sup></i>
CO <sub>2</sub>	4th AR
CH <sub>4</sub>	4th AR
N <sub>2</sub> O	4th AR
HFCs	4th AR
PFCs	4th AR
SF <sub>6</sub>	4th AR
NF <sub>3</sub>	4th AR
Other Gases (specify)	

*Abbreviations* : GWP = global warming potential

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> Please specify the reference for the GWP: Second Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) or the Fourth Assessment Report of the IPCC.

**Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector<sup>a</sup>**

<b>Role of LULUCF</b>	LULUCF in base year level and target	Excluded
	Contribution of LULUCF is calculated using	

*Abbreviation* : LULUCF = land use, land-use change and forestry.

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

**Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention<sup>a</sup>**

<i>Market-based mechanisms under the Convention</i>	<i>Possible scale of contributions (estimated kt CO<sub>2</sub> eq)</i>
CERs	
ERUs	
AAUs <sup>i</sup>	
Carry-over units <sup>j</sup>	
Other mechanism units under the Convention (specify) <sup>d</sup>	

*Abbreviations*: AAU = assigned amount unit, CER = certified emission reduction, ERU = emission reduction unit.

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>d</sup> As indicated in paragraph 5(e) of the guidelines contained in annex I of decision 2/CP.17 .

<sup>i</sup> AAUs issued to or purchased by a Party.

<sup>j</sup> Units carried over from the first to the second commitment periods of the Kyoto Protocol, as described in decision 13/CMP.1 and consistent with decision 1/CMP.8.

**Description of quantified economy-wide emission reduction target: other market-based mechanisms<sup>a</sup>**

<i>Other market-based mechanisms</i> <i>(Specify)</i>	<i>Possible scale of contributions</i> <i>(estimated kt CO<sub>2</sub> eq)</i>

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

**Description of quantified economy-wide emission reduction target: any other information<sup>a,b</sup>**

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<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> This information could include information on the domestic legal status of the target or the total assigned amount of emission units for the period for reaching a target. Some of this information is presented in the narrative part of the biennial report.

***Custom Footnotes***

Table 3

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## Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
Emissions trading scheme (EU-ETS)*	Energy, Industry/industrial processes	CO <sub>2</sub> , N <sub>2</sub> O, PFCs	Increase in renewable energy; switch to less carbon-intensive fuels; reduction of losses; efficiency improvement in the energy and transformation sector	Economic	Implemented	Implementation of European Emission trading scheme based on "cap and trade" principle	2005	Ministry, responsible for environment		i.e.
Environmental tax for the pollution of air with CO <sub>2</sub> emissions*	Energy, Transport, Industry/industrial processes	CO <sub>2</sub>	Internalisation of external costs; increased competitiveness of low carbon fuels	Fiscal	Implemented	CO <sub>2</sub> tax, paid for the consumption of fossil fuels charged proportionally to the units of CO <sub>2</sub> emissions caused by fuel use	1997	Ministry, responsible for environment		i.e.
Environmental tax for the pollution of air with CO <sub>2</sub> emissions - F gases*	Industry/industrial processes	HFCs, SF <sub>6</sub>	Reduction of emissions of fluorinated gases; replacement of fluorinated gases by other substances; other industrial processes	Fiscal	Implemented	CO <sub>2</sub> tax, paid for use of F-gasses	2008	Ministry, responsible for environment		i.e.
Energy taxes*	Cross-cutting	CO <sub>2</sub>	Multi sectoral policy	Fiscal	Implemented	Excise tax on energy	n.a.	Ministry of finance		i.e.
Education, training, awareness, information and promotion*	Cross-cutting	CO <sub>2</sub>	Increased knowledge, information and skills	Information Economic Education	Implemented	Planning, development and financial incentives for trainings for the transition to a low-carbon society, activities in education process, provision of training programmes and information, awareness and promotion campaigns for different target groups	n.a.	Ministry, responsible for environment; Ministry, responsible for energy; Ministry, responsible for education		i.e.
Green growth	Cross-cutting	CO <sub>2</sub>	Synergy between development and climate policy objectives	Economic Research Fiscal Information Education	Adopted	Research and technological development support focused to low carbon solutions - different instruments	n.a.	Governmental office, responsible for development; Ministry, responsible for economy; Ministry, responsible for environment; Ministry, responsible for energy		n.a.

Table 3

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## Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
Technological modernisation of thermal power plants*	Energy	CO <sub>2</sub>	Efficiency improvement in the energy and transformation sector; switch to less carbon-intensive fuels; other (decrease of production of electricity in TPP)	Regulatory Other (Planning) Economic	Implemented	Investment in new thermal power plants for replacement of the existing units. Improved efficiency. Fuel switch from coal to gas in the largest CHP unit.	2008	Ministry, responsible for energy; Energy companies		851
Promoting cogeneration*	Energy, Industry/industrial processes	CO <sub>2</sub>	Increased high efficient cogeneration of electricity and heat	Other (Regulatory)	Implemented	Feed in tariff scheme promoting high efficient CHP in all sectors	2001	Ministry, responsible for energy; Ministry, responsible for environment; Energy Agency; Borzen		i.e.
Promoting electricity generation from RES*	Energy, Industry/industrial processes	CO <sub>2</sub>	Increased renewable electricity generation	Economic Regulatory Other (Planning)	Implemented	Feed-in tariff scheme promoting distributed renewable electricity generation in all sectors. Construction of HPPs chains on lower and middle Sava river and other environmentally acceptable HPPs	1993	Ministry responsible for energy; Ministry, responsible for environment, Energy Agency; Borzen		i.e.
Promoting energy efficiency and RES in buildings in general*	Energy	CO <sub>2</sub>	Efficiency improvement of buildings in all sectors, demand management/reduction, increase of use of RES	Economic Regulatory Information Education Other (Planning)	Implemented	Improvement of building codes (PURES); demonstration projects; heritage buildings renovation; sustainable spatial planning	2002	Ministry, responsible for energy; Ministry, responsible for spatial planning		509
Promoting energy efficiency and RES in households*	Energy	CO <sub>2</sub>	Efficiency improvement of buildings, demand management/reduction, increase of use of RES in households	Economic Regulatory Information Education	Implemented	Financial incentives (subsidies and credits) for energy efficiency and RES, energy efficiency obligation scheme, energy efficiency scheme for low income households, measurement of actual heat consumption	1994	Ministry, responsible for energy; Ministry, responsible for the environment		i.e.
Promoting energy efficiency and RES in public sector*	Energy	CO <sub>2</sub>	Efficiency improvement of buildings, demand management/reduction, increase of use of RES in public sector	Economic Regulatory Information Other (Planning)	Implemented	Financial incentives (subsidies and credits) for energy efficiency and RES, energy efficiency obligation scheme, energy contracting, quality assurance of energy efficiency projects, energy management, green public procurement	2009	Ministry, responsible for energy; Ministry of finance		i.e.
Energy labeling and minimal standards*	Energy	CO <sub>2</sub>	Efficiency improvement of appliances	Regulatory	Implemented	Implementation of the EU legislation in Slovenia	2002	Ministry, responsible for energy; Ministry, responsible for economy		n.a.

Table 3

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## Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
Promoting energy efficiency and RES in industry*	Industry/industrial processes	CO <sub>2</sub>	Efficiency improvement in industrial end-use sectors, demand management/reduction, increase of use of RES in industry	Economic Regulatory Education	Implemented	Financial incentives (subsidies and credits) for energy efficiency and RES, energy efficiency obligation scheme, demonstration projects	2009	Ministry, responsible for energy		433
Promoting use of public transport*	Transport	CO <sub>2</sub>	Modal shift to public transport	Economic Information Other (Planning)	Implemented	Integrated public transport project: single combined ticket. Subsidies for public transport. Coordinated local planning of public transport	2009	Ministry, responsible for transport; Local communities		155
Promoting sustainable freight transport*	Transport	CO <sub>2</sub>	Improved transport infrastructure; demand management/reduction; other transport (modal shift towards less intensive options).	Economic Information Other (Planning)	Implemented	Construction of railway infrastructure	2009	Ministry, responsible for transport		59
Promoting vehicle and driving efficiency and vehicle occupancy - passenger cars*	Transport	CO <sub>2</sub>	Efficiency improvements of vehicles for passenger cars	Regulatory Fiscal Education Information Economic	Implemented	Taxation of road vehicles proportional to CO <sub>2</sub> emissions, regulation on CO <sub>2</sub> from cars, energy labeling for cars and tyres, green public procurement, financial incentives for clean cars, promotion activities, eco-driving promotion	2009	Ministry, responsible for energy, Ministry, responsible for environment		388
Promoting vehicle and driving efficiency and vehicle occupancy - buses and trucks*	Transport	CO <sub>2</sub>	Efficiency improvements of vehicles for buses and trucks	Regulatory Information Education Economic	Implemented	Energy labelling for tyres, green public procurement, financial incentives for clean buses and trucks, differentiation of road tax based on EURO class	2013	Ministry, responsible for energy, Ministry, responsible for environment		125
Promoting non-motorised forms of transport*	Transport	CO <sub>2</sub>	Modal shift to non-motorized transport, improved transport infrastructure	Economic Information Education Other (Planning)	Implemented	Financial incentives for development of bicycle infrastructure and other measures	2008	Ministry, responsible for transport; Governmental office, responsible for development		11
Promoting use of biofuels*	Transport	CO <sub>2</sub>	Increased use of biofuels in transport	Regulatory	Implemented	Biofuel use obligation - minimum quotas of biofuel sold for motor fuel distributors	2005	Ministry, responsible for energy; Ministry, responsible for environment		413
Promoting fuels with low CO <sub>2</sub> emissions*	Transport	CO <sub>2</sub>	Increased use of low carbon fuels/electric cars	Other (Information)	Implemented	Subsidies for low emission cars, development of charging infrastructure	2011	Ministry, responsible for energy; Ministry, responsible for environment, Ministry, responsible for transport		84

Table 3

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## Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
Reduction of F-gases emissions in stationary equipment*	Industry/industrial processes	HFCs	Reduction of emissions of fluorinated gases; replacement of fluorinated gases by other substances	Regulatory	Implemented	Containment of gases and proper recovery of equipment; training and certification of personnel and of companies handling these gases; labeling of equipment containing F-gases; reporting on imports, exports and production of F-gases and restrictions on the marketing and use of certain products and equipment containing F-gases	2003	Ministry, responsible for environment		84
Reduction of F-gases emissions from mobile A/C*	Transport	HFCs	Reduction of emissions of fluorinated gases; replacement of fluorinated gases by other substances	Regulatory	Implemented	From 1.1.2011 complete ban of MACs designed to contain F-gases with a GWP higher than 150 leaking more than 40 grams per year (one evaporator systems) and 60 grams per year (dual evaporator systems) for new types of vehicles and from 1.1.2017 for all new vehicles	2008	Ministry, responsible for transport		139
Management of waste electronic and electric equipment*	Industry/industrial processes	HFCs	Reduction of emissions of fluorinated gases	Regulatory	Implemented	Reduction of emissions of F-gases at disposal of refrigerators, freezers and all other appliances that use F gases	2005	Ministry, responsible for environment		n.a.
Using BAT production technologies*	Industry/industrial processes	CO <sub>2</sub> , PFCs	Promotion of use of best available technologies, reduction of emission from industrial processes	Regulatory	Implemented	Through environmental permits companies are stipulated to use best available technology	2006	Ministry, responsible for environment		n.a.
Reduction of landfilled biodegradable waste*	Waste management/waste	CH <sub>4</sub>	Demand management/reduction; enhanced recycling; enhanced CH <sub>4</sub> collection and use; improved treatment technologies; waste incineration with energy use; reduced landfilling	Fiscal Regulatory Information Economic Other (Planning)	Implemented	Increased recycling of waste will be achieved through improvement of the system of separate waste collection and through waste manipulation in the waste collection centres. Waste appropriate for energy recovery will be used in co-generation units. Reduction of landfilled waste is also stimulated through landfilling tax which depends on the amount of waste that is landfilled. Development of infrastructure.	2004	Ministry, responsible for environment, Local communities		198
Collection of landfilled gas and its energy use*	Waste management/waste	CH <sub>4</sub>	Enhanced CH <sub>4</sub> collection and use	Other (Regulatory)	Implemented	Landfills are obliged to collect and utilize CH <sub>4</sub> that is formed	2004	Ministry, responsible for environment, Local communities		113
Efficient animal production*	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O	Improved livestock management	Other (Other (other))	Implemented	Breeding programmes towards better utilization of energy and protein in cattle, optimization of production process by the means of optimal feeding strategies, reproduction and welfare	1950	Ministry, responsible for agriculture		9

Table 3

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**Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects**

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
Increase the proportion of grazed animals*	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O	Improved animal waste management	Other (Research)	Implemented	Methane emissions from manure management will be reduced by increasing the proportion of grazed animals	2004	Ministry, responsible for agriculture		3
Rational use of N fertilizers*	Agriculture	N <sub>2</sub> O	Reduction of fertilizer/manure use on cropland, other activities improving cropland management	Other (Information)	Implemented	Promotion of efficient nitrogen usage from synthetic and organic fertilizers by the means of measures of Rural development programme and public advisory service	1950	Ministry, responsible for agriculture		35.5
Waste water management*	Waste management/waste	CH <sub>4</sub>	Improved waste water treatment	Other (Economic)	Implemented	Construction and renovation of infrastructure	n.a.	Ministry, responsible for environment, Local communities		n.a.
Sustainable forest management	Forestry/LULUCF	CO <sub>2</sub>	Conservation of carbon in existing forests, enhanced forest management, substitution of GHG intensive feedstocks and materials with harvested wood products	Economic Information Education Other (Planning)	Implemented	Preparation and implementation of National forest management plans for each decade, and implementation of its measures	1971	Ministry, responsible for forestry		n.a.

*Note* : The two final columns specify the year identified by the Party for estimating impacts (based on the status of the measure and whether an ex post or ex ante estimation is available).

*Abbreviations* : GHG = greenhouse gas; LULUCF = land use, land-use change and forestry.

<sup>a</sup> Parties should use an asterisk (\*) to indicate that a mitigation action is included in the 'with measures' projection.

<sup>b</sup> To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors, cross-cutting, as appropriate.

<sup>c</sup> To the extent possible, the following types of instrument should be used: economic, fiscal, voluntary agreement, regulatory, information, education, research, other.

<sup>d</sup> To the extent possible, the following descriptive terms should be used to report on the status of implementation: implemented, adopted, planned.

<sup>e</sup> Additional information may be provided on the cost of the mitigation actions and the relevant timescale.

<sup>f</sup> Optional year or years deemed relevant by the Party.

**Custom Footnotes**

The mitigation impact of the following cross-cutting measures: Environmental tax for the pollution of air with CO<sub>2</sub> emissions - F gases; Energy taxes; Education, training, awareness, information and promotion is not assessed separately. The listed measures have indirect effects on level of implementation of the other measures and their effects, so the mitigation impact of cross-cutting measures is accounted in the impacts of the listed sectorial measures. Their effect is also included in the assessment of the total effect of measures. The mitigation impact of green growth measures is not estimated due to lag time of the effect of this set of measures and the complexity of the assessment. The mitigation impact of the following three measures: Technological modernisation of thermal power stations, Promoting cogeneration and Promoting electricity generation from RES accounts 851 kt co<sub>2</sub> ekv, and is listed under mitigation impact of measure Technological modernisation of thermal power stations. The mitigation impact of Promoting energy efficiency and RES in buildings in general is split between two measures: Promoting energy efficiency and RES in households and Promoting energy efficiency and RES in public sector. The mitigation impact of Sustainable forest management is not estimated, since LULUCF sector is excluded from the convention target for 2020. There is no up to date assessment of the mitigation impact for this measures.

Table 4

**Reporting on progress<sup>a, b</sup>**

Year <sup>c</sup>	Total emissions excluding LULUCF	Contribution from LULUCF <sup>d</sup>	Quantity of units from market based mechanisms under the Convention		Quantity of units from other market based mechanisms	
	(kt CO <sub>2</sub> eq)	(kt CO <sub>2</sub> eq)	(number of units)	(kt CO <sub>2</sub> eq)	(number of units)	(kt CO <sub>2</sub> eq)
(1990)	18,562.49					
2010	19,493.93					
2011	19,499.83					
2012	18,898.33					
2013	18,165.82					
2014						

*Abbreviation* : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> For the base year, information reported on the emission reduction target shall include the following: (a) total GHG emissions, excluding emissions and removals from the LULUCF sector; (b) emissions and/or removals from the LULUCF sector based on the accounting approach applied taking into consideration any relevant decisions of the Conference of the Parties and the activities and/or land that will be accounted for; (c) total GHG emissions, including emissions and removals from the LULUCF sector. For each reported year, information reported on progress made towards the emission reduction targets shall include, in addition to the information noted in paragraphs 9(a–c) of the UNFCCC biennial reporting guidelines for developed country Parties, information on the use of units from market-based mechanisms.

<sup>c</sup> Parties may add additional rows for years other than those specified below.

<sup>d</sup> Information in this column should be consistent with the information reported in table 4(a)I or 4(a)II, as appropriate. The Parties for which all relevant information on the LULUCF contribution is reported in table 1 of this common tabular format can refer to table 1.

**Custom Footnotes**

**Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2013<sup>a,b</sup>**

	<i>Net GHG emissions/removals from LULUCF categories<sup>c</sup></i>	<i>Base year/period or reference level value<sup>d</sup></i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF<sup>e</sup></i>	<i>Accounting approach<sup>f</sup></i>
	<i>(kt CO<sub>2</sub> eq)</i>				
Total LULUCF					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other <sup>g</sup>					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other <sup>g</sup>					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other <sup>g</sup>					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other <sup>g</sup>					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other <sup>g</sup>					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other <sup>g</sup>					
Harvested wood products					

*Abbreviations* : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>c</sup> For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

<sup>d</sup> Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

<sup>e</sup> If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

<sup>f</sup> Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

<sup>g</sup> Specify what was used for the category "other". Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

**Custom Footnotes**

**Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2014<sup>a, b</sup>**

	Net GHG emissions/removals from LULUCF categories <sup>c</sup>	Base year/period or reference level value <sup>d</sup>	Contribution from LULUCF for reported year	Cumulative contribution from LULUCF <sup>e</sup>	Accounting approach <sup>f</sup>
	(kt CO <sub>2</sub> eq)				
Total LULUCF					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other <sup>g</sup>					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other <sup>g</sup>					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other <sup>g</sup>					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other <sup>g</sup>					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other <sup>g</sup>					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other <sup>g</sup>					
Harvested wood products					

*Abbreviations* : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>c</sup> For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

<sup>d</sup> Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

<sup>e</sup> If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

<sup>f</sup> Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

<sup>g</sup> Specify what was used for the category "other". Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

**Custom Footnotes**

Table 4(b)

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**Reporting on progress<sup>a, b, c</sup>**

<i>Units of market based mechanisms</i>			<i>Year</i>	
			<i>2013</i>	<i>2014</i>
<i>Kyoto Protocol units<sup>d</sup></i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		
	<i>AAUs</i>	<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		
	<i>ERUs</i>	<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		
	<i>CERs</i>	<i>(number of units)</i>		
<i>(kt CO<sub>2</sub> eq)</i>				
<i>tCERs</i>	<i>(number of units)</i>			
	<i>(kt CO<sub>2</sub> eq)</i>			
<i>ICERs</i>	<i>(number of units)</i>			
	<i>(kt CO<sub>2</sub> eq)</i>			
<i>Other units<sup>d,e</sup></i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		
	<i>Units from other market-based mechanisms</i>	<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		
<i>Total</i>		<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		

*Abbreviations* : AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, tCERs = temporary certified emission reductions.

Note: 2011 is the latest reporting year.

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

<sup>b</sup> For each reported year, information reported on progress made towards the emission reduction target shall include, in addition to the information noted in paragraphs 9(a-c) of the reporting guidelines, on the use of units from market-based mechanisms.

<sup>c</sup> Parties may include this information, as appropriate and if relevant to their target.

<sup>d</sup> Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

<sup>e</sup> Additional rows for each market-based mechanism should be added, if applicable.

**Custom Footnotes**

Table 5

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**Summary of key variables and assumptions used in the projections analysis<sup>a</sup>**

<i>Key underlying assumptions</i>		<i>Historical<sup>b</sup></i>								<i>Projected</i>		
<i>Assumption</i>	<i>Unit</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>GDP</i>	<i>mioEUR</i> <i>(constant prices</i> <i>2005)</i>			24,495.61	29,226.60	31,842.42	32,049.19	31,186.95	30,476.22	33,978.91	39,200.02	44,178.10
<i>Population</i>	<i>thousands</i>			1,987,755.00	1,997,590.00	2,046,976.00	2,050,189.00	2,005,539.61	2,011,203.78	2,017,032.07	2,013,642.14	1,998,852.76
<i>Number of households</i>	<i>thousands</i>			672,365.01	724,975.21	792,844.00	799,896.67	806,262.45	824,191.95	854,138.97	875,496.58	869,066.42
<i>International coal price</i>	<i>EUR (real prices</i> <i>2012)/GJ</i>							4.13	3.05	3.36	3.48	3.60
<i>International oil price</i>	<i>EUR (real prices</i> <i>2012)/GJ</i>							15.13	14.50	15.00	15.74	16.47
<i>International gas price</i>	<i>EUR (real prices</i> <i>2012)/GJ</i>							8.62	7.80	8.03	8.39	8.75
<i>Gross inland consumption</i> <i>(TOTAL)</i>	<i>PJ</i>			267.70	301.74	302.20	304.74	292.56	284.29	293.76	294.33	292.34
<i>Gross electricity production</i> <i>(TOTAL)</i>	<i>TWh</i>				15.12	16.43	16.06	15.73	15.49	18.33	18.68	18.62

<sup>a</sup> Parties should include key underlying assumptions as appropriate.

<sup>b</sup> Parties should include historical data used to develop the greenhouse gas projections reported.

**Custom Footnotes**

Table 6(a)

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Information on updated greenhouse gas projections under a 'with measures' scenario<sup>a</sup>

	GHG emissions and removals <sup>b</sup>							GHG emission projections	
	(kt CO <sub>2</sub> eq)							(kt CO <sub>2</sub> eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2013	2020	2030
<b>Sector<sup>d,e</sup></b>									
Energy	9,730.74	8,633.94	8,568.86	9,051.37	9,494.00	8,991.43	7,777.62	6,987.23	5,316.97
Transport	2,028.13	2,733.23	3,823.22	3,857.36	4,427.41	5,264.81	5,459.11	5,995.89	5,989.64
Industry/industrial processes	5,859.97	4,540.21	3,718.52	3,463.04	3,915.27	2,941.71	2,728.89	2,863.06	3,422.03
Agriculture	2,088.84	2,010.86	1,906.27	1,935.45	1,820.88	1,741.47	1,675.08	1,927.30	1,945.87
Forestry/LULUCF	-3,645.56	-3,188.31	-3,058.30	-5,735.43	-7,148.38	-4,887.65	-4,745.84		
Waste management/waste	592.36	644.24	678.08	766.74	798.30	554.51	525.12	424.20	327.56
Other (specify)									
<b>Gas</b>									
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	13,003.05	11,884.34	12,205.52	9,734.73	9,786.88	11,478.09	10,406.55		
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	16,662.06	15,089.52	15,278.21	15,484.54	16,949.95	16,379.65	15,166.27	15,160.37	14,114.77
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	2,464.71	2,421.25	2,315.87	2,390.89	2,371.71	2,063.70	1,948.07		
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	2,464.71	2,418.26	2,314.97	2,389.99	2,370.54	2,063.22	1,947.62	2,017.01	1,868.92
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	943.76	851.18	939.97	1,023.06	841.66	782.36	759.24		
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	930.31	837.29	926.48	1,009.57	828.13	768.94	745.81	844.05	853.61
HFCs	0.00	0.00	35.01	45.11	147.11	256.70	277.53	150.31	138.51
PFCs	233.19	207.59	128.14	129.75	142.13	9.64	15.31	18.01	18.01
SF <sub>6</sub>	9.77	9.83	12.13	15.01	18.00	15.78	13.28	7.93	8.26
Other (specify)									
<b>Total with LULUCF<sup>f</sup></b>	16,654.48	15,374.19	15,636.64	13,338.55	13,307.49	14,606.27	13,419.98	176.25	164.78
<b>Total without LULUCF</b>	20,300.04	18,562.49	18,694.94	19,073.97	20,455.86	19,493.93	18,165.82	18,197.68	17,002.08

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

<sup>a</sup> In accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications", at a minimum Parties shall report a 'with measures' scenario, and may report 'without measures' and 'with additional measures' scenarios. If a Party chooses to report 'without measures' and/or 'with additional measures' scenarios they are to use tables 6(b) and/or 6(c), respectively. If a Party does not choose to report 'without measures' or 'with additional measures' scenarios then it should not include tables 6(b) or 6(c) in the biennial report.

**Information on updated greenhouse gas projections under a ‘with measures’ scenario<sup>a</sup>**

	<i>GHG emissions and removals<sup>b</sup></i>							GHG emission projections	
	<i>(kt CO<sub>2</sub> eq)</i>							<i>(kt CO<sub>2</sub> eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2013	2020	2030

<sup>b</sup> Emissions and removals reported in these columns should be as reported in the latest GHG inventory and consistent with the emissions and removals reported in the table on GHG emissions and trends provided in this biennial report. Where the sectoral breakdown differs from that reported in the GHG inventory Parties should explain in their biennial report how the inventory sectors relate to the sectors reported in this table.

<sup>c</sup> 20XX is the reporting due-date year (i.e. 2014 for the first biennial report).

<sup>d</sup> In accordance with paragraph 34 of the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications”, projections shall be presented on a sectoral basis, to the extent possible, using the same sectoral categories used in the policies and measures section. This table should follow, to the extent possible, the same sectoral categories as those listed in paragraph 17 of those guidelines, namely, to the extent appropriate, the following sectors should be considered: energy, transport, industry, agriculture, forestry and waste management.

<sup>e</sup> To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors (i.e. cross-cutting), as appropriate.

<sup>f</sup> Parties may choose to report total emissions with or without LULUCF, as appropriate.

**Custom Footnotes**

Projections for LULUCF sector have not been prepared.

Table 7

SVN\_BR2\_v1.0

**Provision of public financial support: summary information in 2013<sup>a</sup>**

Allocation channels	Year									
	European euro - EUR					USD <sup>b</sup>				
	Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>				Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>			
Mitigation		Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>	Mitigation		Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>	
<b>Total contributions through multilateral channels:</b>				403,560.00						
Multilateral climate change funds <sup>g</sup>				403,560.00						
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies										
<b>Total contributions through bilateral, regional and other channels</b>		270,000.00	918,075.00	368,890.00						
<b>Total</b>		270,000.00	918,075.00	772,450.00						

Abbreviation: USD = United States dollars.

<sup>a</sup> Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>b</sup> Parties should provide an explanation on methodology used for currency exchange for the information provided in table 7, 7(a) and 7(b) in the box below.

<sup>c</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>d</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>e</sup> This refers to funding for activities which are cross-cutting across mitigation and adaptation.

<sup>f</sup> Please specify.

<sup>g</sup> Multilateral climate change funds listed in paragraph 17(a) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

<sup>h</sup> Other multilateral climate change funds as referred in paragraph 17(b) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

**Custom Footnotes**

Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and table 7(b).

**Documentation Box:**

Table 7

SVN\_BR2\_v1.0

**Provision of public financial support: summary information in 2014<sup>a</sup>**

Allocation channels	Year									
	European euro - EUR					USD <sup>b</sup>				
	Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>				Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>			
		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>
<b>Total contributions through multilateral channels:</b>				533,510.00						
Multilateral climate change funds <sup>g</sup>				376,200.00						
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks				157,310.00						
Specialized United Nations bodies										
<b>Total contributions through bilateral, regional and other channels</b>		804,000.00	180,730.00	618,620.00						
<b>Total</b>		804,000.00	180,730.00	1,152,130.00						

Abbreviation: USD = United States dollars.

<sup>a</sup> Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>b</sup> Parties should provide an explanation on methodology used for currency exchange for the information provided in table 7, 7(a) and 7(b) in the box below.

<sup>c</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>d</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>e</sup> This refers to funding for activities which are cross-cutting across mitigation and adaptation.

<sup>f</sup> Please specify.

<sup>g</sup> Multilateral climate change funds listed in paragraph 17(a) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

<sup>h</sup> Other multilateral climate change funds as referred in paragraph 17(b) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

**Custom Footnotes**

Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and table 7(b).

**Documentation Box:**

Table 7(a)

SVN\_BR2\_v1.0

**Provision of public financial support: contribution through multilateral channels in 2013<sup>a</sup>**

Donor funding	Total amount				Status <sup>b</sup>	Funding source <sup>f</sup>	Financial instrument <sup>f</sup>	Type of support <sup>f,g</sup>	Sector <sup>c</sup>
	Core/general <sup>d</sup>		Climate-specific <sup>e</sup>						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels			403,560.00						
Multilateral climate change funds <sup>g</sup>			403,560.00						
1. Global Environment Facility			403,560.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks									
1. World Bank									
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank									
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies									
1. United Nations Development Programme									
2. United Nations Environment Programme									
3. Other									

Abbreviations: ODA = official development assistance, OOF = other official flows.

<sup>a</sup> Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>b</sup> Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

<sup>c</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>d</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>e</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>f</sup> Please specify.

<sup>g</sup> Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

**Custom Footnotes**

Table 7(a)

SVN\_BR2\_v1.0

**Provision of public financial support: contribution through multilateral channels in 2014<sup>a</sup>**

Donor funding	Total amount				Status <sup>b</sup>	Funding source <sup>f</sup>	Financial instrument <sup>f</sup>	Type of support <sup>f, g</sup>	Sector <sup>c</sup>
	Core/general <sup>d</sup>		Climate-specific <sup>e</sup>						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels			533,510.00						
Multilateral climate change funds <sup>g</sup>			376,200.00						
1. Global Environment Facility			376,200.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks			157,310.00						
1. World Bank			154,440.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank									
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other			2,870.00						
Other			2,870.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting
Specialized United Nations bodies									
1. United Nations Development Programme									
2. United Nations Environment Programme									
3. Other									

Abbreviations: ODA = official development assistance, OOF = other official flows.

<sup>a</sup> Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>b</sup> Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

<sup>c</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>d</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>e</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>f</sup> Please specify.

<sup>g</sup> Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

**Custom Footnotes**

Table 7(b)

SVN\_BR2\_v1.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2013<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels	1,556,965.00							
Republic of Macedonia / Reconstruction of a Drinking Water Treatment Plant in Stip Municipality	415,400.00		Provided	ODA	Grant	Adaptation	Water and sanitation	
Bosnia and Herzegovina / Ecological cleaning of the lake Modrac	130,000.00		Provided	ODA	Grant	Adaptation	Water and sanitation	
Montenegro / Ecological cleaning of the lake Mojkovac	123,221.00		Provided	ODA	Grant	Adaptation	Water and sanitation	
Bosnia and Herzegovina / Ecoremediations to Protect the Environment and Development in Una-Sana Canton	120,000.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Montenegro / Preparation for ecological rehabilitation of the "Port Milena" area in Ulcinj	110,000.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Kosovo / Low-cost solar industrial heat in Kosovo	90,000.00		Provided	ODA	Grant	Mitigation	Energy	

Table 7(b)

SVN\_BR2\_v1.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2013<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Bosnia and Herzegovina / Project: "I think, I sort waste and I recycle to save the planet, Gračanica"	30,000.00		Provided	ODA	Grant	Mitigation	Other (Waste)	
Bosnia and Herzegovina / Sustainable use of water resources and local competitiveness	19,454.00		Provided	ODA	Grant	Adaptation	Water and sanitation	
Serbia / Waste treatment in southern Serbia	30,000.00		Provided	ODA	Grant	Mitigation	Other (Waste)	
Western Balkan Countries / Efficient management of resources, introduction of clean production and promotion of green industries	60,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Western Balkan Countries / Other climate related projects and support	368,890.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Bosnia and Herzegovina / Project study: managing electricity consumption in Bosnia and Herzegovina	60,000.00		Provided	ODA	Grant	Mitigation	Energy	

*Abbreviations:* ODA = official development assistance, OOF = other official flows; USD = United States dollars.

<sup>a</sup> Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>b</sup> Parties should report, to the extent possible, on details contained in this table.

**Provision of public financial support: contribution through bilateral, regional and other channels in 2013<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g,h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>European euro - EUR</i>	<i>USD</i>						

<sup>c</sup> Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

<sup>d</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under “Other”.

<sup>e</sup> Parties should report, as appropriate, on project details and the implementing agency.

<sup>f</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>g</sup> Please specify.

<sup>h</sup> Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

***Custom Footnotes***

Table 7(b)

SVN\_BR2\_v1.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2014<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels	1,603,350.00							
Serbia / Raising Environmental and Social Awareness among Young People in Serbia	24,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Moldova / Construction of Two Biological Waste Water Treatment Plants in the Straseni District	320,000.00		Provided	ODA	Grant	Mitigation	Water and sanitation	
Serbia / Help after floods in Serbia	132,580.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Bosnia and Herzegovina / Help after floods in Bosnia and Herzegovina	24,150.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Montenegro / The construction of a sorting plant in Zabljak	400,000.00		Provided	ODA	Grant	Mitigation	Other (Waste)	
Kosovo / Clean Water in Kosovo	24,000.00		Provided	ODA	Grant	Adaptation	Water and sanitation	

Table 7(b)

SVN\_BR2\_v1.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2014<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>European euro - EUR</i>	<i>USD</i>						
/ Other climate related projects and support	618,620.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	Activities within the Disaster Preparedness and Prevention Initiative for South Eastern Europe; Participation in International Atomic Energy Agency Activities (Organization of courses and workshops; Participation to experts IAEA missions and tasks abroad; etc.); Other projects on sustainable use of water resources and local competitiveness; Projects on Strengthening of Metrology Infrastructure and in Fields of Fuels and Environment  Most of the grants are provided to Western Balkan Countries
Bosnia and Herzegovina / Project study: managing electricity consumption in Bosnia and Herzegovina	60,000.00		Provided	ODA	Grant	Mitigation	Energy	

*Abbreviations:* ODA = official development assistance, OOF = other official flows; USD = United States dollars.

<sup>a</sup> Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

<sup>b</sup> Parties should report, to the extent possible, on details contained in this table.

<sup>c</sup> Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

<sup>d</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>e</sup> Parties should report, as appropriate, on project details and the implementing agency.

<sup>f</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

Table 7(b)

SVN\_BR2\_v1.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2014<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>European euro - EUR</i>	<i>USD</i>						

<sup>g</sup> Please specify.<sup>h</sup> Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.**Custom Footnotes**

Table 8

SVN\_BR2\_v1.0

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>

<sup>a</sup> To be reported to the extent possible.

<sup>b</sup> The tables should include measures and activities since the last national communication or biennial report.

<sup>c</sup> Parties may report sectoral disaggregation, as appropriate.

<sup>d</sup> Additional information may include, for example, funding for technology development and transfer provided, a short description of the measure or activity and co-financing arrangements.

**Custom Footnotes**

**Provision of capacity-building support<sup>a</sup>**

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project<sup>b,c</sup></i>

<sup>a</sup> To be reported to the extent possible.

<sup>b</sup> Each Party included in Annex II to the Convention shall provide information, to the extent possible, on how it has provided capacity-building support that responds to the existing and emerging capacity-building needs identified by Parties not included in Annex I to the Convention in the areas of mitigation, adaptation and technology development and transfer.

<sup>c</sup> Additional information may be provided on, for example, the measure or activity and co-financing arrangements.

**Custom Footnotes**