

## BR CTF submission workbook

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Table 1

GRC\_BR1\_v2.0

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

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS EMISSIONS	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	80,382.82	80,064.11	81,438.70	80,416.53	83,028.40	83,173.55	85,640.60	90,550.14	95,137.83
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	82,909.34	82,677.72	84,352.81	83,663.49	85,914.30	86,349.53	88,435.01	93,217.76	98,114.86
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	10,363.28	10,307.60	10,452.22	10,424.50	10,607.64	10,614.47	10,839.86	10,761.48	11,034.78
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	10,336.24	10,290.78	10,401.93	10,384.35	10,568.30	10,594.76	10,824.32	10,733.05	10,966.78
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	10,242.24	9,939.40	9,789.61	8,917.23	8,732.99	8,998.80	9,225.97	9,010.92	8,960.14
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	10,239.50	9,937.70	9,784.50	8,913.16	8,729.00	8,996.80	9,224.39	9,008.04	8,953.24
HFCs	935.06	1,106.82	908.39	1,606.74	2,144.05	3,290.41	3,817.88	4,097.77	4,579.59
PFCs	163.37	164.17	161.21	96.98	60.37	53.97	46.14	107.67	133.04
SF <sub>6</sub>	3.07	3.16	3.26	3.35	3.45	3.59	3.68	3.73	3.78
<b>Total (including LULUCF)</b>	102,089.85	101,585.26	102,753.38	101,465.33	104,576.91	106,134.78	109,574.12	114,531.72	119,849.16
<b>Total (excluding LULUCF)</b>	104,586.58	104,180.35	105,612.11	104,668.07	107,419.48	109,289.05	112,351.42	117,168.02	122,751.30

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
1. Energy	77,170.88	77,051.19	78,761.21	78,374.79	80,682.90	80,619.14	82,806.62	87,441.76	92,257.98
2. Industrial Processes	10,072.94	9,974.64	9,850.59	10,130.49	10,615.36	12,263.12	12,909.68	13,306.33	13,892.01
3. Solvent and Other Product Use	308.34	315.54	314.37	312.95	307.39	299.82	298.22	300.20	300.40
4. Agriculture	11,460.07	11,300.12	11,063.83	10,199.89	10,015.51	10,318.69	10,461.66	10,316.69	10,330.53
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-2,496.73	-2,595.09	-2,858.72	-3,202.73	-2,842.57	-3,154.27	-2,777.30	-2,636.31	-2,902.14
6. Waste	5,574.35	5,538.87	5,622.11	5,649.95	5,798.32	5,788.29	5,875.25	5,803.05	5,970.39
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)</b>	102,089.85	101,585.26	102,753.38	101,465.33	104,576.91	106,134.78	109,574.12	114,531.72	119,849.16

**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

GRC\_BR1\_v2.0

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

CRF: GRC\_CRF\_\_v1.3

GREENHOUSE GAS EMISSIONS	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	94,263.66	99,679.35	102,216.89	101,665.66	106,069.43	106,190.51	110,025.00	108,380.82	111,751.14	107,018.66
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	97,408.24	102,500.56	104,897.48	104,634.73	108,712.71	109,039.06	112,802.29	111,223.37	113,691.41	109,909.56
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	10,887.90	10,929.60	10,057.16	10,062.72	10,090.03	10,135.07	10,168.05	10,219.61	10,220.63	10,029.09
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	10,881.82	10,833.97	10,041.74	10,060.22	10,086.62	10,126.53	10,163.13	10,209.92	10,052.82	10,008.74
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	8,864.62	8,546.75	8,359.64	8,279.57	8,202.93	8,211.58	7,910.60	7,702.30	7,901.86	7,476.65
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	8,864.01	8,537.05	8,358.07	8,279.31	8,202.59	8,210.71	7,910.10	7,701.32	7,884.83	7,474.59
HFCs	5,365.87	4,243.79	3,849.29	4,000.29	3,803.16	3,892.90	3,968.87	2,133.68	2,471.03	2,844.35
PFCs	90.32	105.09	71.16	69.14	72.47	68.99	69.89	66.35	76.21	89.10
SF <sub>6</sub>	3.87	3.99	4.06	4.25	4.25	4.47	6.45	8.37	9.92	7.53
<b>Total (including LULUCF)</b>	119,476.24	123,508.57	124,558.20	124,081.63	128,242.27	128,503.53	132,148.86	128,511.11	132,430.78	127,465.38
<b>Total (excluding LULUCF)</b>	122,614.13	126,224.44	127,221.80	127,047.95	130,881.80	131,342.67	134,920.73	131,343.00	134,186.20	130,333.87

  

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
1. Energy	91,653.08	96,482.97	98,955.51	98,863.99	102,762.35	103,078.73	106,230.56	104,879.59	107,436.55	104,109.16
2. Industrial Processes	14,583.38	13,712.49	13,182.03	13,216.88	13,143.66	13,223.40	13,881.47	11,659.33	11,911.31	11,775.07
3. Solvent and Other Product Use	308.73	306.61	304.28	305.13	305.93	306.75	309.29	311.92	313.41	314.13
4. Agriculture	10,177.64	9,939.90	9,843.48	9,813.84	9,750.33	9,833.78	9,541.44	9,374.78	9,590.02	9,211.13
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-3,137.89	-2,715.87	-2,663.61	-2,966.32	-2,639.53	-2,839.14	-2,771.88	-2,831.89	-1,755.42	-2,868.48
6. Waste	5,891.30	5,782.47	4,936.49	4,848.11	4,919.53	4,900.02	4,957.98	5,117.38	4,934.91	4,924.37
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)</b>	119,476.24	123,508.57	124,558.20	124,081.63	128,242.27	128,503.53	132,148.86	128,511.11	132,430.78	127,465.38

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

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

CRF: GRC\_CRF\_\_ v1.3

<i>GREENHOUSE GAS EMISSIONS</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	(%)
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	100,940.53	93,951.59	92,260.54	14.78
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	103,577.27	96,558.51	94,813.63	14.36
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	9,760.28	9,790.23	9,643.01	-6.95
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	9,739.24	9,784.13	9,630.76	-6.83
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	7,017.72	7,316.22	7,011.59	-31.54
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	7,015.59	7,315.61	7,010.34	-31.54
HFCs	3,226.65	3,512.16	3,507.46	275.10
PFCs	69.85	101.57	77.69	-52.45
SF <sub>6</sub>	5.26	6.14	5.15	67.76
<b>Total (including LULUCF)</b>	<b>121,020.29</b>	<b>114,677.93</b>	<b>112,505.42</b>	<b>10.20</b>
<b>Total (excluding LULUCF)</b>	<b>123,633.85</b>	<b>117,278.12</b>	<b>115,045.02</b>	<b>10.00</b>

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	(%)
1. Energy	99,587.47	92,293.12	92,165.18	19.43
2. Industrial Processes	10,132.20	10,496.20	8,893.78	-11.71
3. Solvent and Other Product Use	315.60	316.17	316.41	2.62
4. Agriculture	8,927.68	9,270.66	8,965.84	-21.76
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-2,613.56	-2,600.19	-2,539.59	1.72
6. Waste	4,670.90	4,901.96	4,703.81	-15.62
7. Other	NA	NA	NA	0.00
<b>Total (including LULUCF)</b>	<b>121,020.29</b>	<b>114,677.93</b>	<b>112,505.42</b>	<b>10.20</b>

*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.

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

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	74,877.74	74,716.39	76,358.94	75,978.53	78,226.97	78,158.80	80,244.67	84,849.24	89,512.53
A. Fuel Combustion (Sectoral Approach)	74,807.51	74,645.49	76,300.73	75,931.20	78,181.75	78,120.08	80,201.07	84,810.09	89,485.35
1. Energy Industries	42,992.74	41,850.29	44,131.81	44,030.08	46,006.63	44,769.81	43,948.69	47,385.19	49,904.80
2. Manufacturing Industries and Construction	9,566.03	9,467.36	8,828.86	8,527.17	8,452.07	9,215.80	9,769.38	9,974.00	10,030.91
3. Transport	14,122.84	14,906.69	15,280.56	15,455.24	15,744.89	16,082.99	16,530.01	17,232.94	18,984.42
4. Other Sectors	8,125.91	8,421.16	8,059.51	7,918.71	7,978.16	8,051.48	9,952.98	10,217.96	10,565.23
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	70.23	70.90	58.20	47.33	45.22	38.73	43.60	39.15	27.18
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	70.23	70.90	58.20	47.33	45.22	38.73	43.60	39.15	27.18
<b>2. Industrial Processes</b>	7,861.66	7,785.33	7,820.82	7,514.62	7,523.89	8,035.86	8,037.96	8,215.23	8,449.72
A. Mineral Products	6,681.06	6,602.10	6,675.93	6,628.06	6,597.08	7,072.89	7,061.42	7,141.36	7,182.28
B. Chemical Industry	240.28	229.59	218.32	140.72	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	83.17	350.99
C. Metal Production	940.32	953.64	926.57	745.84	926.82	962.97	976.54	990.70	916.44
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	169.71	175.78	172.84	170.12	163.22	154.65	152.16	153.07	152.39
<b>4. Agriculture</b>									
A. Enteric Fermentation									
B. Manure Management									
C. Rice Cultivation									
D. Agricultural Soils									
E. Prescribed Burning of Savannas									
F. Field Burning of Agricultural Residues									
G. Other									
<b>5. Land Use, Land-Use Change and Forestry</b>	-2,526.52	-2,613.61	-2,914.11	-3,246.96	-2,885.90	-3,175.98	-2,794.41	-2,667.62	-2,977.03
A. Forest Land	-1,344.13	-1,377.26	-1,794.67	-1,976.56	-1,679.83	-1,890.49	-1,904.46	-1,677.79	-1,907.05
B. Cropland	-1,205.35	-1,251.05	-1,145.88	-1,310.60	-1,229.83	-1,315.31	-936.24	-1,025.02	-1,103.72
C. Grassland	0.23	0.21	0.30	21.74	4.49	12.35	8.60	5.66	5.71
D. Wetlands	NE, NO	NE, NO	0.04	0.67	0.20	0.01	0.14	0.48	1.96
E. Settlements	5.19	6.52	3.14	3.47	4.06	1.90	12.70	3.45	2.99
F. Other Land	17.54	7.96	22.95	14.32	15.01	15.56	24.85	25.60	23.07
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Waste</b>	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling									
C. Waste Incineration	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
D. Other	NO	NO	NO	NO	NO	NO	NO	NA, NO	NA, NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CO2 emissions including net CO2 from LULUCF</b>	80,382.82	80,064.11	81,438.70	80,416.53	83,028.40	83,173.55	85,640.60	90,550.14	95,137.83
<b>Total CO2 emissions excluding net CO2 from LULUCF</b>	82,909.34	82,677.72	84,352.81	83,663.49	85,914.30	86,349.53	88,435.01	93,217.76	98,114.86
<b>Memo Items:</b>									
<b>International Bunkers</b>	10,466.75	9,471.24	10,658.07	12,204.19	13,241.83	13,853.47	12,390.62	12,334.79	13,586.23
Aviation	2,439.00	2,103.14	2,194.20	2,335.46	2,771.76	2,599.12	2,489.26	2,407.68	2,526.96
Marine	8,027.75	7,368.10	8,463.86	9,868.73	10,470.07	11,254.35	9,901.36	9,927.11	11,059.27
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>	2,083.06	2,102.29	2,381.96	2,245.72	2,080.18	2,071.50	2,129.28	2,063.33	2,005.09

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

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

GRC\_BR1\_v2.0

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	88,878.24	93,754.92	96,133.41	95,960.24	99,868.85	100,173.05	103,352.69	102,053.58	104,613.84	101,333.93
A. Fuel Combustion (Sectoral Approach)	88,876.79	93,730.77	96,116.36	95,942.39	99,857.23	100,161.59	103,343.23	102,044.47	104,606.88	101,328.60
1. Energy Industries	50,199.06	54,629.23	55,149.40	54,572.12	55,809.09	57,129.73	57,939.93	55,765.64	59,232.38	58,019.05
2. Manufacturing Industries and Construction	8,979.19	9,721.62	9,894.81	9,444.31	9,133.51	8,491.51	10,170.76	10,383.78	10,102.46	9,346.07
3. Transport	19,307.26	18,383.06	19,228.03	19,539.81	20,629.98	21,052.79	21,102.65	21,868.95	22,614.30	21,579.96
4. Other Sectors	10,391.28	10,996.86	11,844.13	12,386.16	14,284.64	13,487.56	14,129.89	14,026.09	12,657.74	12,383.52
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	1.44	24.15	17.04	17.85	11.62	11.47	9.46	9.11	6.96	5.33
1. Solid Fuels	NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
2. Oil and Natural Gas	1.44	24.15	17.04	17.85	11.62	11.47	9.46	9.11	6.96	5.33
<b>2. Industrial Processes</b>	8,369.82	8,588.09	8,609.17	8,518.89	8,687.52	8,709.08	9,289.97	9,007.74	8,914.09	8,411.27
A. Mineral Products	7,162.18	7,365.84	7,422.54	7,191.10	7,227.87	7,236.01	7,789.96	7,502.29	7,341.67	6,962.97
B. Chemical Industry	344.81	275.90	135.77	165.68	286.61	304.52	296.92	313.93	317.94	338.06
C. Metal Production	862.83	946.34	1,050.87	1,162.10	1,173.04	1,168.56	1,203.09	1,191.52	1,254.48	1,110.24
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	159.96	157.33	154.67	155.12	155.50	155.87	157.70	159.64	160.34	160.68
<b>4. Agriculture</b>										
A. Enteric Fermentation										
B. Manure Management										
C. Rice Cultivation										
D. Agricultural Soils										
E. Prescribed Burning of Savannas										
F. Field Burning of Agricultural Residues										
G. Other										
<b>5. Land Use, Land-Use Change and Forestry</b>	-3,144.58	-2,821.21	-2,680.59	-2,969.07	-2,643.28	-2,848.55	-2,777.29	-2,842.55	-1,940.26	-2,890.90
A. Forest Land	-1,884.90	-1,907.46	-2,026.49	-2,051.41	-2,074.82	-2,092.69	-2,111.78	-2,129.30	-2,129.30	-2,129.30
B. Cropland	-1,296.42	-963.00	-699.42	-968.28	-630.38	-836.68	-716.55	-770.88	109.08	-825.94
C. Grassland	6.04	5.59	5.58	5.78	7.98	6.26	5.68	6.07	6.05	5.87
D. Wetlands	0.02	2.11	0.21	1.94	0.93	24.92	0.21	1.41	0.75	0.15
E. Settlements	5.99	10.44	5.71	6.71	20.89	10.91	15.86	11.86	11.92	9.94
F. Other Land	24.71	31.10	33.82	36.19	32.11	38.73	29.28	38.28	61.24	48.37
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Waste</b>	0.22	0.22	0.22	0.48	0.85	1.05	1.93	2.41	3.13	3.68
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling										
C. Waste Incineration	0.22	0.22	0.22	0.48	0.85	1.05	1.93	2.41	3.13	3.68
D. Other	NA, NO	NA, NO	NO	NO	NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CO2 emissions including net CO2 from LULUCF</b>	94,263.66	99,679.35	102,216.89	101,665.66	106,069.43	106,190.51	110,025.00	108,380.82	111,751.14	107,018.66
<b>Total CO2 emissions excluding net CO2 from LULUCF</b>	97,408.24	102,500.56	104,897.48	104,634.73	108,712.71	109,039.06	112,802.29	111,223.37	113,691.41	109,909.56
<b>Memo Items:</b>										
<b>International Bunkers</b>	12,675.45	13,848.53	13,343.41	12,206.71	13,139.99	13,316.50	11,455.45	12,651.07	12,925.46	12,798.12
Aviation	2,837.73	2,489.34	2,313.49	2,313.55	3,011.38	3,095.58	2,376.88	2,850.96	2,913.77	3,029.92
Marine	9,837.72	11,359.18	11,029.93	9,893.16	10,128.61	10,220.92	9,078.57	9,800.12	10,011.69	9,768.20
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>	2,209.40	2,533.01	2,428.98	2,190.48	1,947.09	2,143.19	2,134.95	2,303.74	2,441.63	2,530.59

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

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

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	96,949.70	89,946.18	89,821.28	19.96
A. Fuel Combustion (Sectoral Approach)	96,942.18	89,935.58	89,812.11	20.06
1. Energy Industries	54,480.47	52,036.60	53,838.38	25.23
2. Manufacturing Industries and Construction	7,411.93	6,717.41	5,271.14	-44.90
3. Transport	24,436.61	21,662.47	19,960.70	41.34
4. Other Sectors	10,613.15	9,519.10	10,741.89	32.19
5. Other	IE, NO	IE, NO	IE, NO	0.00
B. Fugitive Emissions from Fuels	7.52	10.60	9.17	-86.94
1. Solid Fuels	IE, NO	IE, NO	IE, NO	0.00
2. Oil and Natural Gas	7.52	10.60	9.17	-86.94
<b>2. Industrial Processes</b>	6,462.60	6,447.55	4,827.60	-38.59
A. Mineral Products	5,324.52	4,925.08	3,115.64	-53.37
B. Chemical Industry	453.25	662.97	583.10	142.67
C. Metal Production	684.83	859.50	1,128.86	20.05
D. Other Production	NA	NA	NA	0.00
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NO	NO	NO	0.00
<b>3. Solvent and Other Product Use</b>	161.38	161.64	161.75	-4.69
<b>4. Agriculture</b>				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
<b>5. Land Use, Land-Use Change and Forestry</b>	-2,636.74	-2,606.92	-2,553.09	1.05
A. Forest Land	-2,129.30	-2,129.30	-2,129.30	58.41
B. Cropland	-561.01	-526.74	-470.92	-60.93
C. Grassland	9.11	6.32	5.96	2,513.86
D. Wetlands	0.15	0.15	0.15	100.00
E. Settlements	7.35	6.92	5.57	7.23
F. Other Land	36.96	35.73	35.45	102.08
G. Other	NO	NO	NO	0.00
<b>6. Waste</b>	3.60	3.14	2.99	1,256.82
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	0.00
B. Waste-water Handling				
C. Waste Incineration	3.60	3.14	2.99	1,256.82
D. Other	NA, NO	NA, NO	NA, NO	0.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total CO<sub>2</sub> emissions including net CO<sub>2</sub> from LULUCF</b>	100,940.53	93,951.59	92,260.54	14.78
<b>Total CO<sub>2</sub> emissions excluding net CO<sub>2</sub> from LULUCF</b>	103,577.27	96,558.51	94,813.63	14.36
<b>Memo Items:</b>				
<b>International Bunkers</b>	10,900.01	10,728.24	10,562.23	0.91
Aviation	2,606.08	2,084.93	2,268.30	-7.00
Marine	8,293.93	8,643.31	8,293.93	3.32
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO<sub>2</sub> Emissions from Biomass</b>	2,532.39	2,656.04	2,861.61	37.38

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 (+).

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

(Sheet 1 of 3)

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	66.60	67.33	69.99	68.66	69.95	70.77	75.57	74.82	77.68
A. Fuel Combustion (Sectoral Approach)	10.09	10.15	10.93	10.57	10.18	10.18	10.34	10.24	10.35
1. Energy Industries	0.60	0.61	0.62	0.63	0.64	0.65	0.65	0.67	0.70
2. Manufacturing Industries and Construction	0.43	0.43	0.43	0.42	0.40	0.42	0.44	0.45	0.44
3. Transport	5.06	5.10	5.06	5.13	5.16	5.21	5.24	5.33	5.53
4. Other Sectors	4.00	4.01	4.81	4.39	3.98	3.90	4.01	3.78	3.68
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	56.52	57.18	59.07	58.10	59.77	60.59	65.23	64.58	67.33
1. Solid Fuels	52.16	52.96	55.33	55.09	56.96	57.95	60.08	59.14	61.19
2. Oil and Natural Gas	4.36	4.23	3.74	3.01	2.82	2.64	5.15	5.44	6.14
<b>2. Industrial Processes</b>	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04
A. Mineral Products	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Chemical Industry	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03
C. Metal Production	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D. Other Production									
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>									
<b>4. Agriculture</b>	175.91	174.92	173.81	173.05	173.79	174.86	176.92	177.06	177.55
A. Enteric Fermentation	154.58	153.49	152.63	150.85	150.81	151.58	153.12	153.16	154.29
B. Manure Management	16.74	16.67	16.77	16.75	16.71	16.61	16.67	16.66	16.67
C. Rice Cultivation	3.29	2.95	2.94	4.05	4.74	5.22	5.72	5.82	5.25
D. Agricultural Soils	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	1.29	1.81	1.47	1.41	1.53	1.44	1.41	1.43	1.34
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	1.29	0.80	2.39	1.91	1.87	0.94	0.74	1.35	3.24
A. Forest Land	0.62	0.23	0.68	0.71	0.62	0.41	0.17	0.49	1.55
B. Cropland	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Grassland	0.67	0.57	1.71	1.20	1.25	0.53	0.57	0.86	1.69
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, 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. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Waste</b>	249.66	247.75	251.49	252.74	259.48	258.84	262.92	259.18	266.96
A. Solid Waste Disposal on Land	105.99	109.28	112.52	116.13	119.98	124.13	128.45	133.05	137.80
B. Waste-water Handling	143.67	138.47	138.97	136.61	139.50	134.72	134.46	126.01	129.04
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	0.13	0.13
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CH4 emissions including CH4 from LULUCF</b>	493.49	490.84	497.72	496.40	505.13	505.45	516.18	512.45	525.47
<b>Total CH4 emissions excluding CH4 from LULUCF</b>	492.20	490.04	495.33	494.49	503.25	504.51	515.44	511.10	522.23
<b>Memo Items:</b>									
<b>International Bunkers</b>	0.68	0.62	0.71	0.83	0.88	0.93	0.83	0.83	0.94
Aviation	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Marine	0.68	0.62	0.70	0.82	0.87	0.92	0.82	0.82	0.92
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>									

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



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

(Sheet 2 of 3)

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	78.54	82.56	84.80	87.95	86.09	88.46	87.14	83.04	84.93	84.10
A. Fuel Combustion (Sectoral Approach)	11.06	11.81	11.53	10.56	10.58	11.07	10.49	10.79	10.52	10.12
1. Energy Industries	0.71	0.79	0.78	0.78	0.80	0.80	0.83	0.84	0.90	0.89
2. Manufacturing Industries and Construction	0.42	0.48	0.47	0.48	0.41	0.42	0.49	0.46	0.45	0.49
3. Transport	5.70	5.76	5.91	5.86	5.84	5.89	5.71	5.61	5.37	5.07
4. Other Sectors	4.23	4.79	4.37	3.45	3.52	3.97	3.46	3.87	3.79	3.66
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	67.48	70.75	73.27	77.39	75.51	77.38	76.64	72.26	74.42	73.98
1. Solid Fuels	62.36	64.21	66.68	70.82	68.64	70.39	69.74	64.84	66.80	66.05
2. Oil and Natural Gas	5.12	6.54	6.60	6.57	6.87	6.99	6.90	7.42	7.62	7.93
<b>2. Industrial Processes</b>	0.03	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.02
A. Mineral Products	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Chemical Industry	0.02	0.01	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Metal Production	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.02
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>										
<b>4. Agriculture</b>	177.04	176.13	176.17	177.91	178.10	178.45	178.96	178.30	177.89	176.56
A. Enteric Fermentation	154.42	154.31	154.18	155.83	156.06	156.12	156.48	156.17	155.58	154.20
B. Manure Management	16.63	16.45	16.34	16.22	16.25	16.36	16.43	16.36	16.03	15.81
C. Rice Cultivation	4.67	3.98	4.22	4.48	4.52	4.55	4.62	4.46	5.00	5.00
D. Agricultural Soils	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	1.32	1.39	1.42	1.38	1.27	1.42	1.43	1.32	1.28	1.54
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.29	4.55	0.73	0.12	0.16	0.41	0.23	0.46	7.99	0.97
A. Forest Land	0.10	1.91	0.20	0.02	0.03	0.08	0.06	0.19	2.53	0.39
B. Cropland	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Grassland	0.19	2.64	0.53	0.10	0.13	0.33	0.17	0.27	5.47	0.58
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, 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. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Waste</b>	262.59	257.19	217.20	213.18	216.11	215.29	217.84	224.82	215.86	215.93
A. Solid Waste Disposal on Land	142.68	148.39	132.35	138.02	146.95	149.79	158.79	165.07	162.75	167.07
B. Waste-water Handling	119.78	108.68	84.85	75.16	69.15	65.49	58.99	59.43	52.75	48.50
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	0.13	0.13	NO	NO	NO	0.01	0.06	0.32	0.35	0.36
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CH4 emissions including CH4 from LULUCF</b>	518.47	520.46	478.91	479.18	480.48	482.62	484.19	486.65	486.70	477.58
<b>Total CH4 emissions excluding CH4 from LULUCF</b>	518.18	515.90	478.18	479.06	480.32	482.22	483.96	486.19	478.71	476.61
<b>Memo Items:</b>										
<b>International Bunkers</b>	0.83	0.97	0.95	0.86	0.88	0.90	0.80	0.87	0.89	0.87
Aviation	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Marine	0.82	0.95	0.94	0.84	0.87	0.88	0.79	0.85	0.87	0.86
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>										

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

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

(Sheet 3 of 3)

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	83.28	74.85	76.96	15.55
A. Fuel Combustion (Sectoral Approach)	9.71	9.09	8.99	-10.89
1. Energy Industries	0.79	0.73	0.74	22.81
2. Manufacturing Industries and Construction	0.42	0.42	0.42	-2.28
3. Transport	4.85	4.38	3.85	-23.91
4. Other Sectors	3.65	3.56	3.98	-0.44
5. Other	IE, NO	IE, NO	IE, NO	0.00
B. Fugitive Emissions from Fuels	73.57	65.76	67.97	20.27
1. Solid Fuels	65.22	56.80	58.96	13.05
2. Oil and Natural Gas	8.35	8.96	9.02	106.72
<b>2. Industrial Processes</b>	0.02	0.02	0.02	-42.33
A. Mineral Products	NA, NO	NA, NO	NA, NO	0.00
B. Chemical Industry	NA, NO	NA, NO	NA, NO	-100.00
C. Metal Production	0.02	0.02	0.02	99.48
D. Other Production				
E. Production of Halocarbons and SF <sub>6</sub>				
F. Consumption of Halocarbons and SF <sub>6</sub>				
G. Other	NO	NO	NO	0.00
<b>3. Solvent and Other Product Use</b>				
<b>4. Agriculture</b>	176.54	176.13	176.16	0.14
A. Enteric Fermentation	153.84	153.52	153.53	-0.68
B. Manure Management	15.62	15.56	15.53	-7.27
C. Rice Cultivation	5.60	5.60	5.60	70.20
D. Agricultural Soils	NE, NO	NE, NO	NE, NO	0.00
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	1.48	1.45	1.50	16.70
G. Other	NO	NO	NO	0.00
<b>5. Land Use, Land-Use Change and Forestry</b>	1.00	0.29	0.58	-54.69
A. Forest Land	0.43	0.18	0.08	-87.41
B. Cropland	NA, NO	NA, NO	NA, NO	0.00
C. Grassland	0.57	0.11	0.51	-24.36
D. Wetlands	NE, NO	NE, NO	NE, NO	0.00
E. Settlements	NO	NO	NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NO	NO	NO	0.00
<b>6. Waste</b>	203.93	214.91	205.47	-17.70
A. Solid Waste Disposal on Land	156.88	163.93	155.47	46.69
B. Waste-water Handling	46.94	50.87	49.88	-65.28
C. Waste Incineration	0.00	0.00	0.00	409.25
D. Other	0.11	0.11	0.11	100.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total CH<sub>4</sub> emissions including CH<sub>4</sub> from LULUCF</b>	464.78	466.20	459.19	-6.95
<b>Total CH<sub>4</sub> emissions excluding CH<sub>4</sub> from LULUCF</b>	463.77	465.91	458.61	-6.83
<b>Memo Items:</b>				
<b>International Bunkers</b>	0.74	0.77	0.74	7.34
Aviation	0.01	0.01	0.01	53.21
Marine	0.72	0.75	0.72	6.79
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO<sub>2</sub> Emissions from Biomass</b>				

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

<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.

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

CRF: GRC\_CRF\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	2.89	2.97	3.01	3.08	3.18	3.14	3.15	3.29	3.59
A. Fuel Combustion (Sectoral Approach)	2.88	2.97	3.01	3.08	3.18	3.14	3.14	3.29	3.59
1. Energy Industries	0.50	0.48	0.51	0.51	0.53	0.51	0.50	0.54	0.57
2. Manufacturing Industries and Construction	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.18
3. Transport	1.02	1.07	1.14	1.25	1.33	1.37	1.35	1.46	1.73
4. Other Sectors	1.23	1.27	1.21	1.17	1.17	1.10	1.13	1.12	1.12
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
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	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2. Industrial Processes</b>	3.58	2.95	3.08	2.93	2.85	2.83	3.24	2.84	2.34
A. Mineral Products	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Chemical Industry	3.58	2.95	3.08	2.93	2.85	2.83	3.24	2.84	2.34
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production									
E. Production of Halocarbons and SF <sub>6</sub>									
F. Consumption of Halocarbons and SF <sub>6</sub>									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.47	0.48
<b>4. Agriculture</b>	25.05	24.60	23.92	21.18	20.54	21.44	21.76	21.29	21.30
A. Enteric Fermentation									
B. Manure Management	0.98	0.97	0.95	0.88	0.86	0.85	0.87	0.87	0.87
C. Rice Cultivation									
D. Agricultural Soils	24.04	23.59	22.93	20.26	19.63	20.56	20.85	20.38	20.39
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
B. Cropland	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Grassland	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, 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. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Waste</b>	1.07	1.08	1.10	1.10	1.13	1.14	1.14	1.16	1.17
A. Solid Waste Disposal on Land									
B. Waste-water Handling	1.07	1.08	1.10	1.10	1.13	1.14	1.14	1.15	1.16
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	0.01	0.01
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total N<sub>2</sub>O emissions including N<sub>2</sub>O from LULUCF</b>	33.04	32.06	31.58	28.77	28.17	29.03	29.76	29.07	28.90
<b>Total N<sub>2</sub>O emissions excluding N<sub>2</sub>O from LULUCF</b>	33.03	32.06	31.56	28.75	28.16	29.02	29.76	29.06	28.88
<b>Memo Items:</b>									
<b>International Bunkers</b>	0.91	0.88	1.09	1.20	1.34	1.55	1.28	1.27	1.29
Aviation	0.08	0.07	0.07	0.07	0.09	0.08	0.08	0.08	0.08
Marine	0.83	0.82	1.02	1.13	1.25	1.47	1.20	1.20	1.21
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>									

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

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

(Sheet 2 of 3)

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	3.63	3.21	3.36	3.41	3.50	3.38	3.38	3.49	3.35	3.26
A. Fuel Combustion (Sectoral Approach)	3.63	3.21	3.36	3.41	3.50	3.38	3.38	3.49	3.35	3.26
1. Energy Industries	0.56	0.60	0.61	0.60	0.61	0.63	0.63	0.59	0.62	0.61
2. Manufacturing Industries and Construction	0.16	0.17	0.17	0.16	0.15	0.14	0.15	0.15	0.15	0.15
3. Transport	1.77	1.28	1.42	1.41	1.39	1.43	1.41	1.50	1.46	1.41
4. Other Sectors	1.13	1.15	1.16	1.24	1.35	1.18	1.19	1.24	1.12	1.08
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
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	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2. Industrial Processes</b>	2.43	2.49	2.09	2.01	1.86	1.77	1.76	1.43	1.42	1.36
A. Mineral Products	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Chemical Industry	2.43	2.49	2.09	2.01	1.86	1.77	1.76	1.43	1.42	1.36
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.49
<b>4. Agriculture</b>	20.84	20.13	19.82	19.61	19.39	19.63	18.66	18.16	18.88	17.75
A. Enteric Fermentation										
B. Manure Management	0.87	0.86	0.85	0.86	0.88	0.90	0.91	0.91	0.90	0.87
C. Rice Cultivation										
D. Agricultural Soils	19.94	19.24	18.94	18.71	18.47	18.70	17.71	17.22	17.95	16.84
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.03	0.03	0.04
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.01
A. Forest Land	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
B. Cropland	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Grassland	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, 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. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>6. Waste</b>	1.22	1.23	1.21	1.20	1.23	1.22	1.23	1.27	1.29	1.25
A. Solid Waste Disposal on Land										
B. Waste-water Handling	1.21	1.22	1.21	1.20	1.23	1.22	1.23	1.25	1.26	1.22
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	0.01	0.01	NO	NO	NO	0.00	0.00	0.02	0.03	0.03
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total N2O emissions including N2O from LULUCF</b>	28.60	27.57	26.97	26.71	26.46	26.49	25.52	24.85	25.49	24.12
<b>Total N2O emissions excluding N2O from LULUCF</b>	28.59	27.54	26.96	26.71	26.46	26.49	25.52	24.84	25.43	24.11
<b>Memo Items:</b>										
<b>International Bunkers</b>	1.21	1.29	1.11	1.00	0.96	0.94	0.78	0.83	0.80	0.76
Aviation	0.09	0.08	0.07	0.07	0.10	0.10	0.08	0.09	0.09	0.10
Marine	1.12	1.21	1.03	0.93	0.87	0.84	0.70	0.74	0.71	0.66
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>										

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

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

(Sheet 3 of 3)

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	2.87	2.50	2.35	-18.65
A. Fuel Combustion (Sectoral Approach)	2.87	2.50	2.35	-18.63
1. Energy Industries	0.59	0.55	0.56	12.23
2. Manufacturing Industries and Construction	0.13	0.12	0.11	-25.01
3. Transport	1.27	1.04	0.83	-17.87
4. Other Sectors	0.88	0.79	0.85	-30.93
5. Other	IE, NO	IE, NO	IE, NO	0.00
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	-87.03
1. Solid Fuels	NA, NO	NA, NO	NA, NO	0.00
2. Oil and Natural Gas	0.00	0.00	0.00	-87.03
<b>2. Industrial Processes</b>	1.19	1.38	1.53	-57.13
A. Mineral Products	NA, NO	NA, NO	NA, NO	0.00
B. Chemical Industry	1.19	1.38	1.53	-57.13
C. Metal Production	NA	NA	NA	0.00
D. Other Production				
E. Production of Halocarbons and SF <sub>6</sub>				
F. Consumption of Halocarbons and SF <sub>6</sub>				
G. Other	NO	NO	NO	0.00
<b>3. Solvent and Other Product Use</b>	0.50	0.50	0.50	11.56
<b>4. Agriculture</b>	16.84	17.97	16.99	-32.18
A. Enteric Fermentation				
B. Manure Management	0.88	0.88	0.88	-9.91
C. Rice Cultivation				
D. Agricultural Soils	15.93	17.06	16.07	-33.16
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	0.04	0.04	0.04	19.76
G. Other	NO	NO	NO	0.00
<b>5. Land Use, Land-Use Change and Forestry</b>	0.01	0.00	0.00	-54.69
A. Forest Land	0.00	0.00	0.00	-87.41
B. Cropland	NA, NO	NA, NO	NA, NO	0.00
C. Grassland	0.00	0.00	0.00	-24.36
D. Wetlands	NE, NO	NE, NO	NE, NO	0.00
E. Settlements	NO	NO	NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NO	NO	NO	0.00
<b>6. Waste</b>	1.24	1.24	1.25	16.49
A. Solid Waste Disposal on Land				
B. Waste-water Handling	1.23	1.23	1.24	15.58
C. Waste Incineration	0.00	0.00	0.00	409.25
D. Other	0.01	0.01	0.01	100.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total N<sub>2</sub>O emissions including N<sub>2</sub>O from LULUCF</b>	22.64	23.60	22.62	-31.54
<b>Total N<sub>2</sub>O emissions excluding N<sub>2</sub>O from LULUCF</b>	22.63	23.60	22.61	-31.54
<b>Memo Items:</b>				
<b>International Bunkers</b>	0.68	0.71	0.67	-25.94
Aviation	0.08	0.07	0.07	-7.08
Marine	0.60	0.64	0.60	-27.69
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO<sub>2</sub> Emissions from Biomass</b>				

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

<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.

Table 1(d)

GRC\_BR1\_v2.0

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

(Sheet 1 of 3)

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	935.06	1,106.82	908.39	1,606.74	2,144.05	3,290.41	3,817.88	4,097.77	4,579.59
HFC-23	0.08	0.09	0.08	0.14	0.18	0.28	0.32	0.34	0.37
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.01	0.01
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	NA, NO	NA, NO	NA, NO	0.00	0.00	0.02	0.04	0.07	0.10
HFC-152a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.01	0.01
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	163.37	164.17	161.21	96.98	60.37	53.97	46.14	107.67	133.04
CF <sub>4</sub>	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02
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 3F8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
C <sub>4</sub> F <sub>10</sub>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
c-C <sub>4</sub> F <sub>8</sub>	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
C <sub>5</sub> F <sub>12</sub>	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
C <sub>6</sub> F <sub>14</sub>	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	3.07	3.16	3.26	3.35	3.45	3.59	3.68	3.73	3.78
SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

Table 1(d)

GRC\_BR1\_v2.0

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

(Sheet 2 of 3)

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	5,365.87	4,243.79	3,849.29	4,000.29	3,803.16	3,892.90	3,968.87	2,133.68	2,471.03	2,844.35
HFC-23	0.43	0.32	0.28	0.28	0.23	0.22	0.19	0.01	0.01	0.01
HFC-32	0.00	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.11	0.14
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	0.02	0.03	0.04	0.05	0.08	0.10	0.13	0.16	0.20	0.24
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.16	0.23	0.30	0.36	0.47	0.56	0.78	0.90	1.01	1.16
HFC-152a	NA, NO	NA, NO	0.01	0.23	0.31	0.27	0.29	0.35	0.31	0.31
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	0.02	0.02	0.03	0.03	0.04	0.05	0.07	0.08	0.09	0.10
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	90.32	105.09	71.16	69.14	72.47	68.99	69.89	66.35	76.21	89.10
CF <sub>4</sub>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	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	0.01
C 3F8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>4</sub> F <sub>10</sub>	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C <sub>4</sub> F <sub>8</sub>	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>3</sub> F <sub>12</sub>	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>6</sub> F <sub>14</sub>	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	3.87	3.99	4.06	4.25	4.25	4.47	6.45	8.37	9.92	7.53
SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

CRF: GRC\_CRF\_\_ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	3,226.65	3,512.16	3,507.46	275.10
HFC-23	0.01	0.01	0.01	-87.04
HFC-32	0.16	0.20	0.24	100.00
HFC-41	NA, NO	NA, NO	NA, NO	0.00
HFC-43-10mee	NA, NO	NA, NO	NA, NO	0.00
HFC-125	0.29	0.34	0.40	100.00
HFC-134	NA, NO	NA, NO	NA, NO	0.00
HFC-134a	1.27	1.27	1.17	100.00
HFC-152a	0.27	0.24	0.22	100.00
HFC-143	NA, NO	NA, NO	NA, NO	0.00
HFC-143a	0.12	0.14	0.14	100.00
HFC-227ea	0.01	0.01	0.01	100.00
HFC-236fa	NA, NO	NA, NO	NA, NO	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	0.00
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	69.85	101.57	77.69	-52.45
CF <sub>4</sub>	0.00	0.00	0.01	-75.94
C <sub>2</sub> F <sub>6</sub>	0.01	0.01	0.00	84.74
C 3F8	NA, NO	NA, NO	NA, NO	0.00
C <sub>4</sub> F <sub>10</sub>	NA, NO	NA, NO	NA, NO	0.00
c-C <sub>4</sub> F <sub>8</sub>	NA, NO	NA, NO	NA, NO	0.00
C <sub>5</sub> F <sub>12</sub>	NA, NO	NA, NO	NA, NO	0.00
C <sub>6</sub> F <sub>14</sub>	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	0.00
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	5.26	6.14	5.15	67.76
SF <sub>6</sub>	0.00	0.00	0.00	67.76

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.)



Table 2(a)

GRC\_BR1\_v2.0

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

<i>Party</i>	<i>Greece</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	2020	

<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> 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>		1995/2000
Other Gases (specify)		
Sectors covered <sup>b</sup>	Energy	Yes
	Transport <sup>f</sup>	Yes
	Industrial processes <sup>g</sup>	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	
	Aviation	Yes

*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>	4nd AR
CH <sub>4</sub>	4nd AR
N <sub>2</sub> O	4nd AR
HFCs	4nd AR
PFCs	4nd AR
SF <sub>6</sub>	4nd AR
NF <sub>3</sub>	4nd 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 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: 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	0.00
ERUs	0.00
AAUs <sup>i</sup>	0.00
Carry-over units <sup>j</sup>	0.00
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>Possible scale of contributions</i>
<i>(Specify)</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>**

In December 2009, the European Council reiterated the conditional offer of the EU to move to a 30% reduction by 2020 compared to 1990 levels as part of a global and comprehensive agreement for the period beyond 2012, provided that other developed countries commit themselves to comparable emission reductions and that developing countries contribute adequately according to their responsibilities and respective capabilities.

<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> 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**

2020 are enshrined in both the EU-ETS Directive (Directive 2003/87/EC and respective amendments) and the Effort Sharing Decision (Decision No 406/2009/EC). These legally binding trajectories not only result in a 20% GHG reduction in 2020 compared to 1990 but also define the EU's annual target pathway to reduce EU GHG emissions from 2013 to 2020. The Effort Sharing Decision sets annual national emission targets for all Member States for the period 2013-2020 for those sectors not covered by the EU emissions trading system (ETS), expressed as percentage changes from 2005 levels. In March 2013, the Commission formally adopted the national annual limits throughout the period for each Member State. By 2020, the national

The information provided in the above table about CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs and SF<sub>6</sub> is as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation,

The information provided in the above table about NF<sub>3</sub> is as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation. Base year not yet determined.

the territory of a Member State and those which arrive in such an aerodrome from a third country, excluding small commercial emitters. In April 2013 the EU decided to temporarily suspend enforcement of the EU ETS requirements for flights operated in 2010, 2011, and 2012 from or to non-European countries, while continuing to apply the legislation to flights within and between countries in Europe. In October 2013, the ICAO Assembly agreed to develop by 2016 a global market-based mechanism (MBM) addressing international aviation emissions and apply it by 2020. Until then countries or groups of countries, such as the EU, can implement interim measures. In response to the ICAO outcome and to give further momentum to the global As concerns the possible scale of contributions of market-based mechanisms under the Convention (estimated kt CO<sub>2</sub> eq), the Climate and Energy Package allows Certified Emission Reductions (CERs) and Emission Reduction Units (ERUs) to be used for compliance purposes, subject to a number of restrictions in terms of origin and type of project and up to an established limit. In addition, the legislation foresees the possible recognition of units from new market mechanisms. Under the EU ETS the limit does not exceed 50% of the required reduction below 2005 levels. In the sectors not covered by the ETS, annual use shall not exceed to 3 % of each Member States' non-ETS greenhouse gas emissions in 2005. A limited number of Member States

The exact number of units that can be used during the period 2013-2020 can only be determined following the availability of final data concerning the use of these units during the period 2008-2012 and relevant greenhouse gas emissions data. The use of these units under the ETS Directive and the Effort Sharing Decision is subject to the limits specified above which do not separate between CERs and ERUs, but include additional criteria for the use of CERs.

AAUs for the period 2013-2020 have not yet been determined. The EU expects to achieve its 20% target for the period 2013-2020 with the implementation of the ETS Directive and the ESD Decision in the non-ETS sectors which do not allow the use of AAUs from non-EU Parties.

There are general provisions in place in the EU legislation that allow for the use of units from other mechanisms under the Convention provided that the necessary legal arrangements for the creation of such units have been put in place in the EU which is not the case at the point in time of the provision of this report.

after the true-up period of the first commitment period. In the second commitment period the use of such units in the PPSR account depend on the extent by which emissions during the second commitment period exceed the assigned amount for that commitment period, which can only be determined at the end of the second commitment period. At CMP.9 the EU made a declaration when adopting the Doha amendment of the Kyoto Protocol that the European Union legislation on Climate-Energy Package for the implementation of its emission reduction objectives for the period 2013-2020 does not allow the use of surplus AAUs carried over from the first commitment period to meet these objectives.

Table 3

## 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)	
Promotion of natural gas in power sector	Energy, Other (Power sector)	CO <sub>2</sub>	Promotion of natural gas in power sector	Economic	Implemented	Gradual decommissioning of old inefficient thermal power units and commissioning of new ones – increase of NG share in electricity production. Please refer to chapters 4.3.2.2 and 4.3.2.3 of the 6th NC.	1996	PPC / Private / MEECC		11,951.00
Promotion of natural gas in Residential sector	Energy, Other (Residential sector)	CO <sub>2</sub>	Promotion of natural gas in Residential sector	Economic	Implemented	Substitution of liquids fuels (diesel) by NG. 6th NC, chapter 4.3.2.2	1998	MEECC		271.00
Promotion of natural gas in tertiary sector	Energy, Other (Tertiary sector)	CO <sub>2</sub>	Promotion of natural gas in tertiary sector	Economic	Implemented	Substitution of liquids fuels (diesel) by NG. 6th NC chapter 4.3.2.2.	1998	MEECC		95.00
Promotion of natural gas in industry	Industry/industrial processes	CO <sub>2</sub>	Promotion of natural gas in industry	Economic	Implemented	Substitution of liquids and solid fuels by NG. 6th NC, chapter 4.3.2.2.	1996	MEECC		255.00
Promotion of natural gas in transportation	Transport	CO <sub>2</sub>	Promotion of natural gas in transportation.	Economic	Implemented	Substitution of liquids fuels (diesel) by NG. 6th NC, chapter 4.3.2.2.	2001	MEECC, MITN		10.00
Promotion of RES for electricity generation	Energy, Other (Power sector)	CO <sub>2</sub>	Promotion of RES for electricity generation	Economic Fiscal Regulatory	Implemented	6th NC, chapter 4.3.2.4.	1994	RAE, MEECC, Private		20,323.00
Biofuel use in transportation	Transport	CO <sub>2</sub>	Biofuel use in transportation	Economic Fiscal Regulatory	Implemented	6th NC, chapter 4.3.2.4.	2006	MITN, MEECC		2,173.00
Partial implementation National Energy Efficiency Action Plan in Industry	Industry/industrial processes	CO <sub>2</sub>	Partial implementation National Energy Efficiency Action Plan in Industry	Economic Fiscal Regulatory Other (Information)	Implemented	Energy efficiency measures focusing on non-ETS sectors. 6th NC, chapter 4.3.2.5.	2008	MEECC		300.00
Partial implementation National Energy Efficiency Action Plan in residential and tertiary sector	Energy, Other (Residential sector), Other (Tertiary sector)	CO <sub>2</sub>	Partial implementation National Energy Efficiency Action Plan in the residential and tertiary sector.	Economic Fiscal Regulatory Information	Implemented	Energy efficiency measures focusing on non-ETS sectors. 6th NC, chapter 4.3.2.7.	2008	MEECC		2,200.00
Road transport measures	Transport	CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O	Road transport measures	Economic Fiscal Regulatory	Implemented	Interventions in the transport system, the public transport, the vehicles, road traffic in urban areas. 6th NC, chapter 4.3.2.6.		MITN, MEECC		300.00
Recovery of organic waste	Waste management/waste	CH <sub>4</sub>	Recovery of organic waste	Other (Planning)	Implemented	Reduction of the quantities of biodegradable wastes which are landfilled. 6th NC, chapter 4.3.2.10.	2003	MEECC		800.00
Recovery of biogas	Waste management/waste	CH <sub>4</sub>	Recovery of biogas	Other (Planning)	Implemented	Flaring of landfill gas in all managed sites for urban centres with population more than 100000 inhabitants.. 6th NC, chapter 4.3.2.10.	2003	MEECC		500.00



Table 3

## 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)	
Establishing common rules for direct support schemes under the common agricultural policy: agriculture production.	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O	Reduce of the rate of intensity of agricultural land use. Reduction of agricultural production. Adoption rules for management of farm waste.	Other (Planning)	Implemented	Reduce of the rate of intensity of agricultural land use. Reduction of agricultural production. Adoption rules for management of farm waste. 6th NC, chapter 4.3.2.8.	2007	MRDF		430.00
Establishing common rules for direct support schemes under the common agricultural policy: Increase of organic farming.	Agriculture	N <sub>2</sub> O	Increase of organic farming	Other (Planning)	Implemented	Increase of organic farming. 6th NC, chapter 4.3.2.8.	2007	MRDF		350.00
Establishing common rules for direct support schemes under the common agricultural policy: Reduction in Fertilizers use	Agriculture	N <sub>2</sub> O	Decrease of the use of synthetic nitrogen fertilizers by 30% beyond the limit defined in cross compliance system.	Other (Planning)	Implemented	Decrease of the use of synthetic nitrogen fertilizers by 30% beyond the limit defined in cross compliance system. 6th NC, chapter 4.3.2.8.	2007	MRDF		100.00
F-gas Regulation 2006/842/EC	Industry/industrial processes	HFCs, PFCs, SF <sub>6</sub>	Reduce consumption and use of F-gases	Regulatory	Implemented	The Regulation has been supplemented by ten implementing acts or "Commission Regulations", which stipulate reporting format, form of labels, standard leaking checking requirements, training of companies and personnel, etc. 6th NC, chapter 4.3.2.9.	2006	MEECC		NE
Recovery of f-gases from air conditioning and refrigeration equipment	Industry/industrial processes	HFCs, PFCs, SF <sub>6</sub>	Recovery of f-gases from air conditioning and refrigeration equipment	Regulatory	Implemented	Greece has the commitment to implement Directive 2002/96/EC and its modification 2003/108/EC for the recovery of f-gases from air conditioning and refrigeration equipment. The directives have been incorporated in the national legislation with the P.D. 117/2004 and P.D.15/2006. 6th NC, chapter 4.3.2.9.	2004	MEECC		NE
Measures in the LULUCF sector	Forestry/LULUCF	CO <sub>2</sub>	Measures for LULUCF sector arisen from rural development actions and other financial mechanisms.	Other (Planning)	Implemented	Forest protection, Forest management, Restoration – increase of forest lands. 6th NC, chapter 4.3.2.11.		MEECC		NE

## 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)	
Promotion of natural gas in power sector	Energy, Other (Power sector)	CO <sub>2</sub>	Gradual decommissioning of old inefficient thermal power units and commissioning of new ones – increase of NG share in electricity production (additional effect according to WAM scenario).	Economic	Planned	Gradual decommissioning of old inefficient thermal power units and commissioning of new ones – increase of NG share in electricity production (additional effect according to WAM scenario). 6th NC, chapters 4.3.2.2 and 4.3.2.3.		PPC, Private, MEECC		150.00
Wider use of natural gas in tertiary sector	Energy, Other (Tertiary sector)	CO <sub>2</sub>	Wider use of natural gas in tertiary sector	Economic	Planned	Further substitution of liquids fuels (diesel) by NG. 6th NC, chapter 4.3.2.2.		MEECC		20.00
Wider use of natural gas in industry	Industry/industrial processes	CO <sub>2</sub>	Wider use of natural gas in industry	Economic	Planned	Further substitution of liquids and solid fuels by NG. 6th NC, chapter 4.3.2.2.		MEECC		7.00
Wider use of RES for electricity generation	Energy, Other (Power sector)	CO <sub>2</sub>	Wider use of RES for electricity generation	Economic Fiscal Regulatory	Planned	Additional RES for electricity production. 6th NC, chapter 4.3.2.4.		RAE, MEECC, Private		233.00
Wider use of biofuel in transportation	Transport	CO <sub>2</sub>	Wider use of biofuel in transportation	Economic Fiscal Regulatory	Planned	Further use of biofuels in road transport. 6th NC, chapter 4.3.2.4.		MITN, MEECC		15.00
Further energy-efficiency improvements and CHP	Industry/industrial processes	CO <sub>2</sub>	Energy-efficiency improvements and CHP	Economic	Planned	Energy-efficiency improvements and CHP. 6th NC, chapter 4.3.2.5.		MEECC, private		350.00
Full implementation National Energy Efficiency Action Plan	Energy, Other (Residential), Other (Tertiary)	CO <sub>2</sub>	Full implementation National Energy Efficiency Action Plan in the residential and tertiary sectors.	Economic Fiscal Regulatory Information	Planned	Full implementation National Energy Efficiency Action Plan in the residential and tertiary sectors. 6th NC, chapter 4.3.2.7.		MEECC		200.00

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.

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

<i>Name of mitigation action<sup>a</sup></i>	<i>Sector(s) affected<sup>b</sup></i>	<i>GHG(s) affected</i>	<i>Objective and/or activity affected</i>	<i>Type of instrument<sup>c</sup></i>	<i>Status of implementation<sup>d</sup></i>	<i>Brief description<sup>e</sup></i>	<i>Start year of implementation</i>	<i>Implementing entity or entities</i>	<i>Estimate of mitigation impact (not cumulative, in kt CO<sub>2</sub> eq)</i>	

**Custom Footnotes**

Please also refer to the Supporting policies like EU ETS, fiscal measures, etc, presented in chapter 4.3.1 of 6th NC.

MEECC: Ministry of Environment, Energy and Climate Change  
 MECS: Ministry of Economy, Competitiveness and Shipping  
 MITN: Ministry of Infrastructure, Transport and Networks  
 MRDF: Ministry for Rural development and Food  
 RAE: Regulative Authority for Energy  
 PPC: Public Power Corporation  
 LAGIE: National Operator of Electricity Market

The effect of planned policies (incorporated in WAM scenario) will mainly materialize reduction of GHGs after 2020.

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

<i>Year<sup>c</sup></i>	<i>Total emissions excluding LULUCF</i>	<i>Contribution from LULUCF<sup>d</sup></i>	<i>Quantity of units from market based mechanisms under the Convention</i>		<i>Quantity of units from other market based mechanisms</i>	
	<i>(kt CO<sub>2</sub> eq)</i>	<i>(kt CO<sub>2</sub> eq)</i>	<i>(number of units)</i>	<i>(kt CO<sub>2</sub> eq)</i>	<i>(number of units)</i>	<i>(kt CO<sub>2</sub> eq)</i>
(1990)	104,586.58					
2010	117,278.12	636.76	63,661,023.00	63,661.02		
2011	115,045.02	634.98	59,925,860.00	59,925.87		
2012		630.00	54,460,965.00	54,460.96		

*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**

The 2012 inventory data will be available through the 2014 submission to the UNFCCC (information will be available at the latest by 15 March 2014 in line with the requirements of the MMR).

**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 2011<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	-2,551.29	NA	NA	NA	
A. Forest land	-2,127.50	NA	NA	NA	
1. Forest land remaining forest land	-1,776.87	NA	NA	NA	
2. Land converted to forest land	-350.63	NA	NA	NA	
3. Other <sup>g</sup>					
B. Cropland	-470.92	NA	NA	NA	
1. Cropland remaining cropland	-471.04	NA	NA	NA	
2. Land converted to cropland	0.12	NA	NA	NA	
3. Other <sup>g</sup>					
C. Grassland	5.96	NA	NA	NA	
1. Grassland remaining grassland	0.07	NA	NA	NA	
2. Land converted to grassland	5.89	NA	NA	NA	
3. Other <sup>g</sup>					
D. Wetlands	0.15	NA	NA	NA	
1. Wetland remaining wetland	NE	NA	NA	NA	
2. Land converted to wetland	0.15	NA	NA	NA	
3. Other <sup>g</sup>					
E. Settlements	5.57	NA	NA	NA	
1. Settlements remaining settlements	NE	NA	NA	NA	
2. Land converted to settlements	5.57	NA	NA	NA	
3. Other <sup>g</sup>					
F. Other land	35.45	NA	NA	NA	
1. Other land remaining other land	NA	NA	NA	NA	
2. Land converted to other land	35.45	NA	NA	NA	
3. Other <sup>g</sup>					
Harvested wood products	NE	NA	NA	NA	

*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**

Net GHG emissions/removals from LULUCF categories for year 2012 will be available in March 2015 according to MMR.

**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 2012<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**

Net GHG emissions/removals from LULUCF categories for year 2012 will be available in March 2015 according to MMR.

Table 4(a)II

GRC\_BR1\_v2.0  
Source: GRC\_CRF\_\_ v1.3**Progress in achievement of the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the counting of emissions and removals from the land use, land-use change and forestry sector in relation to activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol<sup>a,b,c</sup>**

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Base year <sup>d</sup>	Net emissions/removals <sup>e</sup>					Accounting parameters <sup>h</sup>	Accounting quantity <sup>i</sup>
		2008	2009	2010	2011	Total <sup>g</sup>		
(kt CO <sub>2</sub> eq)								
<b>A. Article 3.3 activities</b>								
A.1. Afforestation and Reforestation								-1'402.50
A.1.1. Units of land not harvested since the beginning of the commitment period <sup>j</sup>		-350.63	-350.63	-350.63	-350.63	-1,402.50		-1'402.50
A.1.2. Units of land harvested since the beginning of the commitment period <sup>j</sup>								NA
A.2. Deforestation		52.62	47.95	43.87	45.65	190.09		190.08644
<b>B. Article 3.4 activities</b>								
B.1. Forest Management (if elected)		-1,769.57	-1,768.75	-1,774.46	-1,776.87	-7,089.64		-1650
3.3 offset <sup>k</sup>							0	0
FM cap <sup>l</sup>							1650	-1650
B.2. Cropland Management (if elected)	0	NA	NA	NA	NA	NA	0	0
B.3. Grazing Land Management (if elected)	0	NA	NA	NA	NA	NA	0	0
B.4. Revegetation (if elected)	0	NA	NA	NA	NA	NA	0	0

Note: 1 kt CO<sub>2</sub> eq equals 1 Gg CO<sub>2</sub> eq.

Abbreviations : CRF = common reporting format, 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> Developed country Parties with a quantified economy-wide emission reduction target as communicated to the secretariat and contained in document FCCC/SB/2011/INF.1/Rev.1 or any update to that document, that are Parties to the Kyoto Protocol, may use table 4(a)II for reporting of accounting quantities if LULUCF is contributing to the attainment of that target.<sup>c</sup> Parties can include references to the relevant parts of the national inventory report, where accounting methodologies regarding LULUCF are further described in the documentation box or in the biennial<sup>d</sup> Net emissions and removals in the Party's base year, as established by decision 9/CP.2.<sup>e</sup> All values are reported in the information table on accounting for activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.<sup>f</sup> Additional columns for relevant years should be added, if applicable.<sup>g</sup> Cumulative net emissions and removals for all years of the commitment period reported in the current submission.<sup>h</sup> The values in the cells "3.3 offset" and "Forest management cap" are absolute values.<sup>i</sup> The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7, paragraph 4, of the Kyoto Protocol.<sup>j</sup> In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following afforestation and reforestation since 1990 shall not be greater than the credits accounted for on that unit of land.<sup>k</sup> In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3 paragraph 3, may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under forest management under Article 3, paragraph 4, up to a level that is equal to the net source of emissions under the provisions of Article 3, paragraph 3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3.<sup>l</sup> In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period of the Kyoto Protocol only, additions to and subtractions from the assigned amount of a Party resulting from Forest management under Article 3, paragraph 4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from forest management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

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

<i>Units of market based mechanisms</i>			<i>Year</i>	
			<i>2011</i>	<i>2012</i>
<i>Kyoto Protocol units<sup>d</sup></i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>	59,925,860.00	54,460,965.00
		<i>(kt CO<sub>2</sub> eq)</i>	59,925.87	54,460.96
	<i>AAUs</i>	<i>(number of units)</i>	56,267,156.00	44,278,562.00
		<i>(kt CO<sub>2</sub> eq)</i>	56,267.17	44,278.56
	<i>ERUs</i>	<i>(number of units)</i>	8,251.00	2,710,390.00
		<i>(kt CO<sub>2</sub> eq)</i>	8.25	2,710.39
	<i>CERs</i>	<i>(number of units)</i>	3,650,453.00	7,472,013.00
		<i>(kt CO<sub>2</sub> eq)</i>	3,650.45	7,472.01
	<i>tCERs</i>	<i>(number of units)</i>	0.00	0.00
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00
	<i>ICERs</i>	<i>(number of units)</i>	0.00	0.00
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00
<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>	59,925,860.00	54,460,965.00	
	<i>(kt CO<sub>2</sub> eq)</i>	59,925.87	54,460.96	

*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.



Table 5

GRC\_BR1\_v2.0

**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>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>International coal price</i>	<i>\$/ton</i>					83.10	96.90	85.20	87.90	88.70	89.50
<i>International oil price</i>	<i>€/bbl</i>					72.20	84.50	91.10	93.80	95.70	97.00
<i>International gas price</i>	<i>€/MBTU</i>					8.20	7.50	8.60	9.00	9.30	9.60
<i>Population</i>	<i>thousands</i>					11,308.00	11,321.00	11,373.00	11,439.00	11,505.00	11,571.00
<i>Number of households</i>	<i>thousands</i>					3,836.00	3,840.00	3,857.00	3,878.00	3,899.00	3,920.00
<i>GDP</i>	<i>billion Euros (2010)</i>					222.15	208.53	180.56	209.29	231.07	248.93
<i>GVA</i>	<i>billion Euros (2010)</i>					195.22	183.14	158.91	184.20	203.37	219.09
<i>CO2 emission allowances</i>	<i>€/tCO2</i>							6.67	10.00	20.00	30.00

<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.

Table 6(a)

GRC\_BR1\_v2.0

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	2011	2020	2030
<b>Sector<sup>d,e</sup></b>									
Energy	62,627.16	62,627.16	64,001.66	77,582.24	84,569.99	70,216.48	71,865.21	53,571.63	35,180.57
Transport	14,543.73	14,543.73	16,617.48	18,900.72	21,660.57	22,076.65	20,299.97	23,713.67	31,042.49
Industry/industrial processes	10,381.28	10,381.28	12,562.94	14,019.11	14,190.75	10,812.37	9,210.19	13,406.13	17,196.77
Agriculture	11,460.07	11,460.07	10,318.69	9,939.90	9,541.44	9,270.66	8,965.84	8,757.95	10,416.25
Forestry/LULUCF	-2,496.73	-2,496.73	-3,154.27	-2,715.87	-2,771.88	-2,600.19	-2,539.59	-2,976.50	-2,614.50
Waste management/waste	5,574.35	5,574.35	5,788.29	5,782.47	4,957.98	4,901.96	4,703.81	5,402.99	6,347.98
Other (specify)	357.27	357.27	401.52	661.56	614.32	402.32	352.39	1,169.62	2,356.98
Aviation	357.27	357.27	401.52	661.56	614.32	402.32	352.39	1,169.62	2,356.98
<b>Gas</b>									
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	80,382.82	80,382.82	83,173.55	99,679.35	110,025.00	93,951.59	92,260.54	79,091.59	70,491.90
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	82,909.34	82,909.34	86,349.53	102,500.56	112,802.29	96,558.51	94,813.63	82,102.59	73,140.90
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	10,363.28	10,363.28	10,614.47	10,929.60	10,168.05	9,790.23	9,643.01	9,920.96	10,845.02
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	10,336.24	10,336.24	10,594.76	10,833.97	10,163.13	9,784.13	9,630.76	9,889.46	10,813.52
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	10,242.24	10,242.24	8,998.80	8,546.75	7,910.60	7,316.22	7,011.59	7,208.91	8,492.90
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	10,239.50	10,239.50	8,996.80	8,537.05	7,910.10	7,315.61	7,010.34	7,205.91	8,489.90
HFCs	935.06	935.06	3,290.41	4,243.79	3,968.87	3,512.16	3,507.46	5,495.00	7,500.00
PFCs	163.37	163.37	53.97	105.09	69.89	101.57	77.69	153.91	231.73
SF <sub>6</sub>	3.07	3.07	3.59	3.99	6.45	6.14	5.15	5.50	8.00
Other (specify)									
<b>Total with LULUCF<sup>f</sup></b>	102,089.84	102,089.84	106,134.79	123,508.57	132,148.86	114,677.91	112,505.44	101,875.87	97,569.55
<b>Total without LULUCF</b>	104,586.58	104,586.58	109,289.06	126,224.45	134,920.73	117,278.12	115,045.03	104,852.37	100,184.05

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	2011	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**

Energy does not include transport sector. Industry/industrial processes includes emissions from industrial processes and solvent and other product use

Table 6(c)

GRC\_BR1\_v2.0

**Information on updated greenhouse gas projections under a ‘with additional 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	2011	2020	2030
<b>Sector<sup>d,e</sup></b>									
Energy	62,627.16	62,627.16	64,001.66	77,582.24	84,569.99	70,216.48	71,865.21	52,493.60	34,858.75
Transport	14,543.73	14,543.73	16,617.48	18,900.72	21,660.57	22,076.65	20,299.97	23,815.59	26,079.59
Industry/industrial processes	10,381.28	10,381.28	12,562.94	14,019.11	14,190.75	10,812.37	9,210.19	13,406.13	17,196.77
Agriculture	11,460.07	11,460.07	10,318.69	9,939.90	9,541.44	9,270.66	8,965.84	8,757.95	10,416.25
Forestry/LULUCF	-2,496.73	-2,496.73	-3,154.27	-2,715.87	-2,771.88	-2,600.19	-2,539.59	-2,976.50	-2,614.50
Waste management/waste	5,574.35	5,574.35	5,788.29	5,782.47	4,957.98	4,901.96	4,703.81	5,402.99	6,347.98
Other (specify)	357.27	357.27	401.52	661.56	614.32	402.32	352.39	1,169.62	2,356.98
Aviation	357.27	357.27	401.52	661.56	614.32	402.32	352.39	1,169.62	2,356.98
<b>Gas</b>									
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	80,382.82	80,382.82	83,173.55	99,679.35	110,025.00	93,951.59	92,260.54	77,997.62	65,116.22
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	82,909.34	82,909.34	86,349.53	102,500.56	112,802.29	96,558.51	94,813.63	81,008.62	67,765.22
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	10,363.28	10,363.28	10,614.47	10,929.60	10,168.05	9,790.23	9,643.01	9,898.56	10,738.67
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	10,336.24	10,336.24	10,594.76	10,833.97	10,163.13	9,784.13	9,630.76	9,867.06	10,707.17
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	10,242.24	10,242.24	8,998.80	8,546.75	7,910.60	7,316.22	7,011.59	7,349.18	8,690.21
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	10,239.50	10,239.50	8,996.80	8,537.05	7,910.10	7,315.61	7,010.34	7,346.18	8,687.21
HFCs	935.06	935.06	3,290.41	4,243.79	3,968.87	3,512.16	3,507.46	5,495.00	7,500.00
PFCs	163.37	163.37	53.97	105.09	69.89	101.57	77.69	153.91	231.73
SF <sub>6</sub>	3.07	3.07	3.59	3.99	6.45	6.14	5.15	5.50	8.00
Other (specify)									
<b>Total with LULUCF<sup>f</sup></b>	102,089.84	102,089.84	106,134.79	123,508.57	132,148.86	114,677.91	112,505.44	100,899.77	92,284.83
<b>Total without LULUCF</b>	104,586.58	104,586.58	109,289.06	126,224.45	134,920.73	117,278.12	115,045.03	103,876.27	94,899.33

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 additional 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	2011	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.

**Provision of public financial support: summary information in 2011<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>	1,167,081.00					830,902.00				
Multilateral climate change funds <sup>g</sup>										
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies	1,167,081.00					830,902.00				
<b>Total contributions through bilateral, regional and other channels</b>			349,100.00	10,000.00			19,900,000.00		360,000.00	
<b>Total</b>	1,167,081.00		349,100.00	10,000.00		830,902.00	19,900,000.00		360,000.00	

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).

**Provision of public financial support: summary information in 2012<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>	352,689.00					601,546.00				
Multilateral climate change funds <sup>g</sup>										
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies	352,689.00					601,546.00				
<b>Total contributions through bilateral, regional and other channels</b>							70,000.00	540,000.00		
<b>Total</b>	352,689.00					601,546.00	70,000.00	540,000.00		

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).

Table 7(a)

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**Provision of public financial support: contribution through multilateral channels in 2011<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	1,167,081.00	830,902.00							
Multilateral climate change funds <sup>g</sup>									
1. Global Environment Facility									
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	1,167,081.00	830,902.00							
1. United Nations Development Programme									
2. United Nations Environment Programme	1,015,808.00	830,902.00							
UNEP-Coordinating Unit for MAP		400,000.00			Provided	ODA	Grant	Adaptation	Water and sanitation
UNEP-Vienna Convention for the Protection of the Ozone Layer		3,582.00			Provided	ODA	Grant	Other (Montreal Pr)	Other (Montreal Pr)
UNEP-Trust Fund for the Protection of the Mediterranean Sea	155,653.00				Provided	ODA	Grant	Adaptation	Other (Sea protection)
Trust Fund for the Convention on the Conservation of Migratory Species (CMS) of Wild Animals	31,917.00				Provided	ODA	Grant	Adaptation	Other (Biodiversity)
UNEP-Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal		34,897.00			Provided	ODA	Grant	Other (Waste)	Other (Hazardous waste)
UNEP-Trust Fund for the Montreal Protocol on Substances that Deplete the Ozone Layer (MP)		29,505.00			Provided	ODA	Grant	Other (Montreal Pr)	Other (Montreal Pr)
UNEP-Trust Fund for the Convention on Biological Diversity (BY)		93,710.00			Provided	ODA	Grant	Adaptation	Other (Biodiversity)
UNEP-Core Programme budget for the Cartagena Protocol on Biosafety (BG)		19,208.00			Provided	ODA	Grant	Adaptation	Other (Biodiversity)
Multilateral Fund for the Implementation of the Montreal Protocol	828,238.00				Provided	ODA	Grant	Other (Montreal Pr)	Other (Montreal Pr)
UNEP Fund (Environment Fund)		250,000.00			Provided	ODA	Grant	Cross-cutting	Cross-cutting
3. Other	151,273.00								
UNFCCC - Core Budget	86,888.00				Provided	OOF	Grant	Cross-cutting	Cross-cutting
UNFCCC-Kyoto Protocol (ITL)	64,385.00				Provided	OOF	Grant	Mitigation	Energy, Industry, Transport, Other (Aviation)

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**

Greece has contributed to the Global Environment Facility's (GEF) 4 Replenishments, as shown in Table 7.3 of the 6th NC. The 4th replenishment was 4.28 million euros. The 5th replenishment will cover the period from July 1, 2010 through June 30th 2014.



Provision of public financial support: contribution through multilateral channels in 2012<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,8</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	352,689.00	601,546.00							
Multilateral climate change funds <sup>8</sup>									
1. Global Environment Facility									
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	352,689.00	601,546.00							
1. United Nations Development Programme									
2. United Nations Environment Programme	185,628.00	601,546.00							
UNEP-Coordinating Unit for MAP		400,000.00			Provided	ODA	Grant	Adaptation	
UNEP-Vienna Convention for the Protection of the Ozone Layer		4,160.00			Provided	ODA	Grant	Other (Montreal Pr)	
UNEP-Trust Fund for the Protection of the Mediterranean Sea	155,653.00				Provided	ODA	Grant	Adaptation	
Trust Fund for the Convention on the Conservation of Migratory Species (CMS) of Wild Animals	29,975.00				Provided	ODA	Grant	Adaptation	
UNEP-Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal		39,258.00			Provided	ODA	Grant	Other (Hazardous waste)	
UNEP-Trust Fund for the Montreal Protocol on Substances that Deplete the Ozone Layer (MP)		29,505.00			Provided	ODA	Grant	Other (Montreal Pr)	
UNEP-Trust Fund for the Convention on Biological Diversity (BY)		104,094.00			Provided	ODA	Grant	Adaptation	
UNEP-Core Programme budget for the Cartagena Protocol on Biosafety (BG)		24,529.00			Provided	ODA	Grant	Adaptation	
3. Other	167,061.00								
UNFCCC - Core Budget	104,094.00				Provided	OOF	Grant	Cross-cutting	
UNFCCC-Kyoto Protocol (ITL)	62,967.00				Provided	OOF	Grant	Mitigation	
								Energy, Industry, Transport, Other (Aviation)	

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>8</sup> Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

## Custom Footnotes

Greece has contributed to the Global Environment Facility's (GEF) 4 Replenishments, as shown in Table 7.3 of the 6th NC. The 4th replenishment was 4.28 million euros. The 5th replenishment will cover the period from July 1, 2010 through June 30th 2014.

Table 7(b)

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**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<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	359,100.00	20,260,000.00						
Mediterranean Countries / MIO- ECSDE (Mediterranean Information Office)	10,000.00		Provided			Cross- cutting	Water and sanitation, Other (Wetlands), Other (Biodiversity), Other (Desertification)	
Mediterranean Countries / GWP / MED	90,000.00		Provided			Adaptation	Water and sanitation	
Africa, Middle East and North Africa, Asia Pacific, Eastern Europe, Latin America and the Caribbean, LDCs, SIDS / IUCN (World Conservation Union)	228,500.00		Provided			Adaptation	Other (Biodiversity)	

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

Africa, Middle East and North Africa, Asia Pacific, Eastern Europe, Latin America and the Caribbean / Ramsar Bureau / IUCN	26,350.00		Provided			Adaptation	Other (Wetlands)	<p>The Convention's mission is "the conservation and wise use of all wetlands through local and national actions and international cooperation, as a contribution towards achieving sustainable development throughout the world".</p> <p>The Convention uses a broad definition of the types of wetlands covered in its mission, including lakes and rivers, swamps and marshes, wet grasslands and peatlands, oases, estuaries, deltas and tidal flats, near-shore marine areas, mangroves and coral reefs, and human-made sites such as fish ponds, rice paddies, reservoirs, and salt pans.</p> <p>The Ramsar Contracting Parties, or Member States, have committed themselves to implementing the "three pillars" of the Convention: to designate suitable wetlands for the List of Wetlands of International Importance ("Ramsar List") and ensure their effective management; to work towards the wise use of all their wetlands through national land-use planning, appropriate policies and legislation, management actions, and public education; and to cooperate internationally concerning transboundary wetlands, shared wetland systems, shared species, and development projects that may affect wetlands.</p>
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**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

Africa, Middle East and North Africa, Asia Pacific, Eastern Europe, Latin America and the Caribbean / Ramsar Convention / MedWet Coordination Unit	4,250.00		Provided			Adaptation	Other (Wetlands)	<p>The Convention's mission is "the conservation and wise use of all wetlands through local and national actions and international cooperation, as a contribution towards achieving sustainable development throughout the world".</p> <p>The Convention uses a broad definition of the types of wetlands covered in its mission, including lakes and rivers, swamps and marshes, wet grasslands and peatlands, oases, estuaries, deltas and tidal flats, near-shore marine areas, mangroves and coral reefs, and human-made sites such as fish ponds, rice paddies, reservoirs, and salt pans.</p> <p>The Ramsar Contracting Parties, or Member States, have committed themselves to implementing the "three pillars" of the Convention: to designate suitable wetlands for the List of Wetlands of International Importance ("Ramsar List") and ensure their effective management; to work towards the wise use of all their wetlands through national land-use planning, appropriate policies and legislation, management actions, and public education; and to cooperate internationally concerning transboundary wetlands, shared wetland systems, shared species, and development projects that may affect wetlands.</p>
Albania, Serbia / Bilateral Hellenic Aid		19,900,000.00	Provided	ODA	Grant	Mitigation	Transport	
Armenia / Bilateral Hellenic Aid		360,000.00	Provided	ODA	Grant	Cross-cutting	Agriculture	

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

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

<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.

<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***

governments, etc. on issues directly or indirectly related to climate change by lobbying and campaigning at all major international and regional meetings, with emphasis on the impact of climate change on desertification, strengthening the use of renewable energy resources, emphasising the urgent need to safeguard the integrity of the water cycle, the need to halt further loss of wetlands and minimise undesirable effects on biodiversity. MIO-ECSDE actively participated in a number of important conferences such as COP9, the 9th Conference of Parties to the 1992 UN Framework Convention on Climate Change (Milan, 1-12 December 2003), the Euro-Mediterranean Ministerial Conference "Towards a new Euro-Med Partnership on Investment Promotion, Infrastructure Financing and Energy Supply Security" (Rome, 1-2 December 2003). Med's mission is to promote action and exchange knowledge on Integrated Water Resources Management (IWRM) with the aim to help Mediterranean countries to connect water resources planning and operations at different scales (regional, transboundary, national, basin and local), in order to achieve coherence and bring about solutions that contribute to the sustainable use of water resources as means towards sustainable growth. In order to achieve this goal, GWP Med's role is to act as a broker, a catalyst, a facilitator and an advocacy organisation. In order to tackle the water-related issues, GWP Med:-Facilitates a multi-stakeholder regional water partnership across the Mediterranean basin, bringing together major Mediterranean networks of different water disciplines (government, river basins, local authorities, and food security. To deliver conservation and sustainability at both the global and local level, IUCN builds on its strengths in the following areas:-Science – 11,000 experts setting global standards in their fields, for example, the definitive international standard for species extinction risk – the IUCN Red List of Threatened Species™.-Action – hundreds of conservation projects all over the world from the local level to those involving several countries, all aimed at the sustainable management of biodiversity and natural resources.-Influence – through the collective strength of more than 1,200 government and non-governmental Member organizations, IUCN influences international environmental conventions, policies and laws.

**Provision of public financial support: contribution through bilateral, regional and other channels in 2012<sup>a</sup>**

Recipient country/ region/project/programme <sup>b</sup>	Total amount		Status <sup>c</sup>	Funding source <sup>g</sup>	Financial instrument <sup>g</sup>	Type of support <sup>g, h</sup>	Sector <sup>d</sup>	Additional information <sup>e</sup>
	Climate-specific <sup>f</sup>							
	European euro - EUR	USD						
Total contributions through bilateral, regional and other channels		610,000.00						
Albania, Serbia / Bilateral Hellenic Aid		70,000.00	Provided	ODA	Grant	Mitigation	Transport	
Lebanon / Bilateral Hellenic Aid		540,000.00	Provided	ODA	Grant	Adaptation	Other (Coastal zone management )	

*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.

<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**

Mediterranean NGOs, governments, etc. on issues directly or indirectly related to climate change by lobbying and campaigning at all major international and regional meetings, with emphasis on the impact of climate change on desertification, strengthening the use of renewable energy resources, emphasising the urgent need to safeguard the integrity of the water cycle, the need to halt further loss of wetlands and minimise undesirable effects on biodiversity. MIO-ECSDE actively participated in a number of important conferences such as COP9, the 9th Conference of Parties to the 1992 UN Framework Convention on Climate Change (Milan, 1-12 December 2003), the Euro-Mediterranean Ministerial Conference "Towards a new Euro-Med

**Provision of public financial support: contribution through bilateral, regional and other channels in 2012<sup>a</sup>**

Mediterranean. GWP Med's mission is to promote action and exchange knowledge on Integrated Water Resources Management (IWRM) with the aim to help Mediterranean countries to connect water resources planning and operations at different scales (regional, transboundary, national, basin and local), in order to achieve coherence and bring about solutions that contribute to the sustainable use of water resources as means towards sustainable growth. In order to achieve this goal, GWP Med's role is to act as a broker, a catalyst, a facilitator and an advocacy organisation. In order to tackle the water-related issues, GWP Med:-Facilitates a multi-stakeholder regional water partnership across the Mediterranean basin, bringing together

Conserving biodiversity is central to the mission of IUCN. We demonstrate how biodiversity is fundamental to addressing some of the world's greatest challenges such as climate change, sustainable development and food security. To deliver conservation and sustainability at both the global and local level, IUCN builds on its strengths in the following areas:-Science – 11,000 experts setting global standards in their fields, for example, the definitive international standard for species extinction risk – the IUCN Red List of Threatened Species™.-Action – hundreds of conservation projects all over the world from the local level to those involving several countries, all aimed at the sustainable management of biodiversity and natural resources.-Influence – through the collective strength of more than 1,200 government and non-governmental Member organizations, IUCN influences international environmental conventions, policies and laws.

**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>
Black Sea Economic Cooperation Organization (BSEC) Member States	Mitigation and Adaptation	Harmonizing environmental legislation among the BSEC Member States, based on best practices and transfer of technology and taking into account the EU relevant legislative framework - Promoting the development of innovative, environmentally friendly and resource saving technologies (RES, Energy Efficiency) - Development of a Climate Change Adaptation Strategy	Energy, Transport, Other (Marine and coastal environment), Other (Biodiversity)	Public	Public	Implemented	<p>On the regional level, Greece, as a member of the Black Sea Economic Cooperation Organization (BSEC), is actively engaged in efforts made by BSEC member states in order to promote cooperation and exchange of best practices for the protection of the Black Sea marine and coastal environment. To this end, BSEC Member States have elaborated a general cooperation framework, the BSEC Action Plan for Cooperation in the Field of Environmental Protection, the main directions of which include:</p> <ul style="list-style-type: none"> <li>-Harmonizing environmental legislation among the BSEC Member States, based on best practices and transfer of technology and taking into account the EU relevant legislative framework;</li> <li>-Strengthening cooperation in the Black Sea basin in the fields of pollution prevention and biodiversity conservation, with particular attention to the areas not covered by the Bucharest Convention;</li> <li>-Promoting the use of economic incentives and tools in the field of environmental protection, in order to leverage funding for projects of mutual interest;</li> <li>-Promoting the development of innovative, environmentally friendly and resource saving technologies;</li> </ul> <p>Environmental Cooperation between BSEC member states is promoted through high level meetings but also through the nomination of national focal points with the participation of experts on environmental protection, as well as investment programmes directed at the preservation of the region's environment and the development of green technologies. Cooperation also aims at intensifying control of the transboundary spreading of dangerous substances in the environment of the Black Sea region and at providing state-of-the-art mechanisms for integrated management of river ecosystems in the BSEC region. In this respect, joint</p>

<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.



**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>
Mediterranean countries	Multiple Areas	The H2020 CB/MEP programme of capacity building	<p>The "Horizon 2020 Initiative" aims to de-pollute the Mediterranean by the year 2020 by tackling the sources of pollution that account for around 80% of the overall pollution of the Mediterranean Sea: municipal waste, urban waste water and industrial pollution. Horizon 2020 was endorsed during the Environment Ministerial Conference held in Cairo in November 2006 and is one of the key initiatives endorsed by the Union for the Mediterranean (UfM) since its launch in Paris in 2008.</p> <p>To implement and monitor actions three working groups were created to address:</p> <ul style="list-style-type: none"> <li>-Specific Investments for Pollution Reduction (PR);</li> <li>-Capacity Building (CB) for achieving H2020 objectives;</li> <li>-Review, Monitoring and Research (RMR).</li> </ul> <p>Greece is a member of the consortium of the Capacity Building component of the Horizon 2020 Initiative for the de-pollution of Mediterranean sea and participates actively in the process of identification of areas within the scope of H2020 where regional capacity building would add value.</p>
Developing countries of the Mediterranean and South-Eastern Europe	Adaptation	Mediterranean Component of the EU's Initiative 'Water for Life' (MED EUWI)	<p>In the follow up of the World Summit for Sustainable Development (WSSD), the Greek Government (Hellenic Ministry of Environment, Energy and Climate Change – MoE - and Hellenic Ministry of Foreign Affairs – MoFA), supported by the 'Global Water Partnership-Mediterranean' (GWP-Med) Secretariat, has undertaken responsibility of leading the Mediterranean Component of the EU's Initiative 'Water for Life' (MED EUWI), launched in Johannesburg, in 2002.</p> <p>MED EUWI represents a strategic partnership among stakeholders (national, regional and international) in the Mediterranean region. It seeks to make significant progress in poverty eradication and health and the enhancement of sustainable livelihoods and socio-economic prosperity and growth in the developing countries of the Mediterranean and South-Eastern Europe. Through its work, MED EUWI aspires to provide a catalyst for peace and security in a region that is particularly vulnerable and susceptible not only to environmental, but also to political distress.</p> <p>Its main aim is to assist the design of better, demand-driven and output-oriented water programmes in the region, and to facilitate the effective coordination of water programmes and projects, targeting more effective use of existing funds, through identification of gaps.</p> <p>MED EUWI develops its activities through annual work programmes, supported through the participation of a variety of institutions and stakeholders. According to MED EUWI's precedence, national activities up until 2015 focus on:</p> <ol style="list-style-type: none"> <li>i.prioritisation of national needs for the water sector in order to meet national development targets;</li> <li>ii.assistance to national water planning activities including assistance to countries for the elaboration, implementation and monitoring of IWRM plans and linking</li> </ol>
Mediterranean countries	Multiple Areas	Mediterranean Educational Initiative for Environment and Sustainability (MEdIES)	<p>The aim is to facilitate the educational community of the Mediterranean to contribute in a systematic and concrete way to the implementation of Agenda 21 and the MDGs, through innovative Educational Programmes for ESD. webpage (www.medies.net).</p> <p>More specifically:</p> <ul style="list-style-type: none"> <li>- Publications and educational material in various languages;</li> <li>- Training seminars for educators, at national or regional level;</li> <li>- Promotion of use of Information &amp; Communication Technologies (ICTs) through its webpage (www.medies.net).</li> </ul>

**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.