

BR CTF submission workbook

Submission Year	2014	Party	LUXEMBOURG
Submission Version	v1.0	Submission Level	Submitted
Submission Key	LUX_2014_V1.0	Submission Status	Closed
Submitted By	Eric De Brabanter	Workbook Created	22.02.2014 07:05:05
Submitted Date	22.02.2014 07:04:34		

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Table 1

LUX_BR1_v1.0

Emission trends: summary ⁽¹⁾
(Sheet 1 of 3)

CRF: LUX_CRF__ v1.2

<i>GREENHOUSE GAS EMISSIONS</i>	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
CO ₂ emissions including net CO ₂ from LULUCF	12,295.16	12,641.51	12,043.55	12,055.18	11,411.36	8,969.12	8,845.37	8,107.21	7,474.34
CO ₂ emissions excluding net CO ₂ from LULUCF	11,950.26	12,471.93	12,242.15	12,363.86	11,550.17	9,210.07	9,258.86	8,561.14	7,672.68
CH ₄ emissions including CH ₄ from LULUCF	461.51	471.95	462.68	466.72	460.99	469.59	473.25	468.33	467.24
CH ₄ emissions excluding CH ₄ from LULUCF	461.51	471.95	462.68	466.72	460.99	469.59	473.25	468.33	467.24
N ₂ O emissions including N ₂ O from LULUCF	478.96	492.49	506.20	491.81	481.62	483.53	491.72	488.82	485.54
N ₂ O emissions excluding N ₂ O from LULUCF	476.11	489.64	503.35	488.96	478.77	480.68	488.88	485.97	482.69
HFCs	12.01	12.01	12.21	12.93	13.68	15.59	15.91	17.17	19.99
PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF ₆	1.13	1.21	1.29	1.37	1.46	1.55	1.71	1.87	1.97
Total (including LULUCF)	13,248.77	13,619.16	13,025.94	13,028.02	12,369.12	9,939.39	9,827.97	9,083.42	8,449.06
Total (excluding LULUCF)	12,901.02	13,446.74	13,221.69	13,333.84	12,505.07	10,177.48	10,238.60	9,534.50	8,644.56

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
1. Energy	10,429.93	11,044.32	10,895.15	11,042.59	10,325.04	8,340.89	8,451.30	7,867.11	7,140.20
2. Industrial Processes	1,621.50	1,543.72	1,473.95	1,452.53	1,361.33	1,001.64	946.35	839.11	682.94
3. Solvent and Other Product Use	23.90	22.98	21.88	20.85	19.57	19.74	19.42	19.00	17.88
4. Agriculture	743.20	751.50	746.10	732.99	716.24	734.71	744.12	731.74	726.01
5. Land Use, Land-Use Change and Forestry ^b	347.75	172.43	-195.75	-305.83	-135.96	-238.10	-410.64	-451.08	-195.50
6. Waste	82.48	84.21	84.61	84.89	82.89	80.52	77.43	77.53	77.54
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	13,248.77	13,619.16	13,025.94	13,028.02	12,369.12	9,939.39	9,827.97	9,083.42	8,449.06

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

¹ 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

LUX_BR1_v1.0

Emission trends: summary ⁽¹⁾
(Sheet 2 of 3)

CRF: LUX_CRF__ v1.2

<i>GREENHOUSE GAS EMISSIONS</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
CO ₂ emissions including net CO ₂ from LULUCF	7,755.59	8,392.51	8,842.86	9,603.74	9,998.92	11,417.27	11,719.50	11,691.00	11,106.76	10,934.14
CO ₂ emissions excluding net CO ₂ from LULUCF	8,077.25	8,780.74	9,297.22	10,057.77	10,461.40	11,834.49	12,107.85	11,969.26	11,382.58	11,209.10
CH ₄ emissions including CH ₄ from LULUCF	475.18	467.14	466.74	467.41	457.89	452.75	451.79	447.46	442.31	444.81
CH ₄ emissions excluding CH ₄ from LULUCF	475.18	467.14	466.74	467.41	457.89	452.75	451.79	447.46	442.31	444.81
N ₂ O emissions including N ₂ O from LULUCF	486.95	484.19	461.56	469.54	458.20	504.17	481.21	471.01	469.22	466.03
N ₂ O emissions excluding N ₂ O from LULUCF	484.10	481.37	458.76	466.76	455.45	501.45	478.52	468.33	466.58	463.41
HFCs	23.96	28.62	34.15	41.86	46.76	49.18	53.01	56.91	61.11	63.46
PFCs	NA, NO	0.01	0.01	0.01	0.02	0.11	0.15	0.17	0.21	0.24
SF ₆	2.05	2.15	2.82	3.37	4.09	4.60	5.04	5.71	6.15	6.57
Total (including LULUCF)	8,743.72	9,374.62	9,808.13	10,585.93	10,965.88	12,428.07	12,710.71	12,672.25	12,085.76	11,915.26
Total (excluding LULUCF)	9,062.53	9,760.03	10,259.69	11,037.18	11,425.61	12,842.57	13,096.36	12,947.84	12,358.94	12,187.60

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
1. Energy	7,508.49	8,189.11	8,769.05	9,529.95	10,012.38	11,356.22	11,635.80	11,438.98	10,852.50	10,736.99
2. Industrial Processes	725.05	756.56	704.85	728.96	674.47	719.70	716.11	773.21	767.21	705.99
3. Solvent and Other Product Use	17.30	15.81	16.54	16.76	15.09	17.39	16.65	16.25	17.48	16.90
4. Agriculture	735.77	721.34	694.40	687.42	647.66	677.83	657.76	649.53	653.65	661.28
5. Land Use, Land-Use Change and Forestry ^b	-318.81	-385.41	-451.56	-451.26	-459.74	-414.49	-385.65	-275.59	-273.18	-272.34
6. Waste	75.93	77.20	74.85	74.09	76.02	71.42	70.04	69.87	68.09	66.44
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	8,743.72	9,374.62	9,808.13	10,585.93	10,965.88	12,428.07	12,710.71	12,672.25	12,085.76	11,915.26

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

Emission trends: summary ⁽¹⁾
(Sheet 3 of 3)

CRF: LUX_CRF__ v1.2

<i>GREENHOUSE GAS EMISSIONS</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	(%)
CO ₂ emissions including net CO ₂ from LULUCF	10,405.63	10,957.51	10,828.84	-11.93
CO ₂ emissions excluding net CO ₂ from LULUCF	10,704.66	11,255.34	11,125.58	-6.90
CH ₄ emissions including CH ₄ from LULUCF	444.89	452.87	437.00	-5.31
CH ₄ emissions excluding CH ₄ from LULUCF	444.89	452.87	437.00	-5.31
N ₂ O emissions including N ₂ O from LULUCF	470.28	472.39	462.95	-3.34
N ₂ O emissions excluding N ₂ O from LULUCF	467.68	469.83	460.41	-3.30
HFCs	65.54	66.47	67.00	457.88
PFCs	0.22	0.20	0.18	100.00
SF ₆	7.00	7.39	7.75	587.66
Total (including LULUCF)	11,393.55	11,956.83	11,803.72	-10.91
Total (excluding LULUCF)	11,689.99	12,252.09	12,097.92	-6.23

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	(%)
1. Energy	10,298.52	10,839.35	10,688.67	2.48
2. Industrial Processes	641.57	660.24	671.49	-58.59
3. Solvent and Other Product Use	16.11	14.34	15.77	-34.00
4. Agriculture	670.65	677.94	663.65	-10.70
5. Land Use, Land-Use Change and Forestry ^b	-296.43	-295.26	-294.20	-184.60
6. Waste	63.14	60.21	58.33	-29.29
7. Other	NA	NA	NA	0.00
Total (including LULUCF)	11,393.55	11,956.83	11,803.72	-10.91

Notes :

(1) Further detailed information could be found in the common reporting format tables of the Party's greenhouse gas inventory, namely "Emission trends (CO₂)", "Emission trends (CH₄)", "Emission trends (N₂O)" and "Emission trends (HFCs, PFCs and SF₆)", which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO₂ eq equals 1 Gg CO₂ eq.

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

^a 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.

^b Includes net CO₂, CH₄ and N₂O from LULUCF.

Custom Footnotes

Emission trends (CO₂)
(Sheet 1 of 3)

CRF: LUX_CRF_ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	10,327.26	10,927.36	10,768.39	10,913.01	10,192.31	8,213.42	8,317.96	7,728.97	7,000.37
A. Fuel Combustion (Sectoral Approach)	10,327.23	10,927.34	10,768.36	10,912.99	10,192.28	8,213.38	8,317.92	7,728.93	7,000.33
1. Energy Industries	33.29	34.01	34.73	33.04	32.32	91.07	79.62	80.46	144.48
2. Manufacturing Industries and Construction	6,285.43	6,121.42	5,795.50	5,921.31	5,201.13	3,343.75	3,201.46	2,450.11	1,412.48
3. Transport	2,672.53	3,170.77	3,460.24	3,501.54	3,560.39	3,379.01	3,477.92	3,678.89	3,842.35
4. Other Sectors	1,309.70	1,574.84	1,451.59	1,433.96	1,376.88	1,389.12	1,540.82	1,497.06	1,567.67
5. Other	26.28	26.29	26.30	23.14	21.57	10.43	18.10	22.42	33.34
B. Fugitive Emissions from Fuels	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
2. Industrial Processes	1,608.36	1,530.51	1,460.44	1,438.23	1,346.19	984.50	928.72	820.07	660.99
A. Mineral Products	623.45	592.76	607.15	515.03	575.35	519.11	512.12	525.97	520.30
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	984.91	937.74	853.29	923.19	770.83	465.38	416.60	294.10	140.69
D. Other Production	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	14.64	14.06	13.32	12.62	11.66	12.16	12.18	12.11	11.33
4. Agriculture									
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									
5. Land Use, Land-Use Change and Forestry	344.90	169.58	-198.60	-308.68	-138.81	-240.95	-413.49	-453.93	-198.35
A. Forest Land	126.20	-49.24	-417.54	-527.74	-358.29	-460.19	-632.59	-673.51	-418.49
B. Cropland	34.47	34.59	34.71	34.83	35.26	35.01	34.87	35.35	35.91
C. Grassland	31.64	31.64	31.64	31.64	31.64	31.64	31.64	31.64	31.64
D. Wetlands	12.27	12.27	12.27	12.27	12.27	12.27	12.27	12.27	12.27
E. Settlements	138.93	138.93	138.93	138.93	138.93	138.93	138.93	138.93	138.93
F. Other Land	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
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	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	12,295.16	12,641.51	12,043.55	12,055.18	11,411.36	8,969.12	8,845.37	8,107.21	7,474.34
Total CO2 emissions excluding net CO2 from LULUCF	11,950.26	12,471.93	12,242.15	12,363.86	11,550.17	9,210.07	9,258.86	8,561.14	7,672.68
Memo Items:									
International Bunkers	394.47	412.31	398.61	394.26	500.14	566.92	615.99	736.93	893.35
Aviation	394.41	412.24	398.54	394.16	500.06	566.83	615.91	736.85	893.27
Marine	0.07	0.07	0.07	0.09	0.08	0.08	0.08	0.08	0.08
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass	159.05	160.93	163.73	159.33	157.46	153.78	135.56	146.84	139.67

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

Table 1 (a)
Emission trends (CO₂)
(Sheet 2 of 3)

LUX_BR1_v1.0

CRF: LUX_CRF__ v1.2

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
1. Energy	7,367.10	8,044.96	8,618.22	9,362.76	9,826.51	11,155.43	11,437.08	11,246.69	10,669.85	10,561.18
A. Fuel Combustion (Sectoral Approach)	7,367.06	8,044.92	8,618.18	9,362.70	9,826.45	11,155.36	11,437.01	11,246.62	10,669.79	10,561.12
1. Energy Industries	159.47	117.30	280.45	1,026.00	1,033.84	1,259.19	1,239.90	1,303.67	1,179.86	995.47
2. Manufacturing Industries and Construction	1,523.45	1,438.07	1,573.45	1,494.99	1,413.82	1,584.47	1,557.81	1,627.49	1,516.69	1,403.63
3. Transport	4,135.64	4,778.73	4,997.46	5,144.68	5,579.80	6,524.35	6,919.22	6,617.02	6,352.36	6,486.70
4. Other Sectors	1,505.30	1,699.22	1,743.69	1,684.14	1,795.96	1,787.35	1,720.08	1,698.43	1,620.88	1,675.32
5. Other	43.21	11.60	23.15	12.90	3.03	NO	NO	NO	NO	NO
B. Fugitive Emissions from Fuels	0.04	0.04	0.04	0.06	0.06	0.07	0.07	0.07	0.07	0.07
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	0.04	0.04	0.04	0.06	0.06	0.07	0.07	0.07	0.07	0.07
2. Industrial Processes	699.04	725.78	667.88	683.72	623.60	665.82	657.91	710.42	699.74	635.71
A. Mineral Products	551.34	579.74	513.12	528.32	471.66	513.37	504.99	500.63	496.26	466.41
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	147.70	146.05	154.76	155.40	151.94	152.45	152.92	209.79	203.49	169.30
D. Other Production	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	11.11	9.99	11.12	11.28	11.29	13.24	12.86	12.14	12.98	12.21
4. Agriculture										
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										
5. Land Use, Land-Use Change and Forestry	-321.66	-388.23	-454.36	-454.03	-462.48	-417.22	-388.35	-278.26	-275.82	-274.96
A. Forest Land	-540.90	-557.07	-623.71	-624.13	-632.61	-587.07	-559.81	-448.98	-446.69	-445.73
B. Cropland	35.01	31.32	30.85	30.59	29.63	28.37	28.98	27.25	26.41	25.32
C. Grassland	31.64	7.67	9.81	11.95	14.09	16.23	18.36	20.50	22.64	24.78
D. Wetlands	12.27	10.77	10.67	10.56	10.46	10.35	10.25	10.14	10.04	9.94
E. Settlements	138.93	118.35	117.34	116.32	115.31	114.30	113.29	112.27	111.26	110.25
F. Other Land	1.40	0.72	0.69	0.66	0.64	0.61	0.58	0.55	0.52	0.49
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
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	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	7,755.59	8,392.51	8,842.86	9,603.74	9,998.92	11,417.27	11,719.50	11,691.00	11,106.76	10,934.14
Total CO2 emissions excluding net CO2 from LULUCF	8,077.25	8,780.74	9,297.22	10,057.77	10,461.40	11,834.49	12,107.85	11,969.26	11,382.58	11,209.10
Memo Items:										
International Bunkers	1,007.92	960.64	1,039.00	1,125.70	1,172.70	1,275.99	1,296.51	1,213.34	1,304.18	1,312.81
Aviation	1,007.83	960.53	1,038.90	1,125.59	1,172.59	1,275.88	1,296.37	1,213.19	1,304.06	1,312.68
Marine	0.09	0.10	0.10	0.11	0.11	0.11	0.14	0.15	0.12	0.13
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass	148.82	149.63	163.83	163.75	181.66	201.03	295.32	301.33	446.75	460.47

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

Table 1(a)

LUX_BR1_v1.0

Emission trends (CO₂)
(Sheet 3 of 3)

CRF: LUX_CRF__ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	10,124.52	10,659.69	10,518.21	1.85
A. Fuel Combustion (Sectoral Approach)	10,124.46	10,659.62	10,518.15	1.85
1. Energy Industries	1,190.99	1,203.21	990.79	2,876.48
2. Manufacturing Industries and Construction	1,338.73	1,408.03	1,270.55	-79.79
3. Transport	5,937.12	6,306.84	6,760.34	152.96
4. Other Sectors	1,657.61	1,741.54	1,496.47	14.26
5. Other	NO	NO	NO	-100.00
B. Fugitive Emissions from Fuels	0.07	0.07	0.06	141.19
1. Solid Fuels	NO	NO	NO	0.00
2. Oil and Natural Gas	0.07	0.07	0.06	141.19
2. Industrial Processes	568.81	586.18	596.56	-62.91
A. Mineral Products	440.16	452.57	472.70	-24.18
B. Chemical Industry	NO	NO	NO	0.00
C. Metal Production	128.66	133.61	123.86	-87.42
D. Other Production	NO	NO	NO	0.00
E. Production of Halocarbons and SF ₆				
F. Consumption of Halocarbons and SF ₆				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use	11.33	9.47	10.81	-26.16
4. Agriculture				
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				
5. Land Use, Land-Use Change and Forestry	-299.03	-297.83	-296.74	-186.04
A. Forest Land	-471.13	-470.16	-469.19	-471.79
B. Cropland	25.66	24.89	24.02	-30.32
C. Grassland	26.92	29.05	31.19	-1.41
D. Wetlands	9.83	9.73	9.62	-21.56
E. Settlements	109.23	108.22	107.21	-22.83
F. Other Land	0.46	0.44	0.41	-70.84
G. Other	NE	NE	NE	0.00
6. Waste	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	0.00
B. Waste-water Handling				
C. Waste Incineration	IE	IE	IE	0.00
D. Other	NO	NO	NO	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CO₂ emissions including net CO₂ from LULUCF	10,405.63	10,957.51	10,828.84	-11.93
Total CO₂ emissions excluding net CO₂ from LULUCF	10,704.66	11,255.34	11,125.58	-6.90
Memo Items:				
International Bunkers	1,257.71	1,285.94	1,219.01	209.02
Aviation	1,257.60	1,285.83	1,218.88	209.04
Marine	0.11	0.10	0.13	86.87
Multilateral Operations	NO	NO	NO	0.00
CO₂ Emissions from Biomass	446.95	467.17	443.39	178.77

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

^a 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.

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

Custom Footnotes

Emission trends (CH₄)

(Sheet 1 of 3)

CRF: LUX_CRF__ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	2.30	2.45	2.47	2.46	2.41	2.39	2.50	2.44	2.42
A. Fuel Combustion (Sectoral Approach)	1.52	1.65	1.63	1.59	1.53	1.39	1.40	1.32	1.29
1. Energy Industries	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.04
2. Manufacturing Industries and Construction	0.16	0.16	0.15	0.15	0.15	0.10	0.10	0.08	0.06
3. Transport	0.90	0.98	1.00	0.95	0.94	0.83	0.86	0.79	0.77
4. Other Sectors	0.43	0.48	0.44	0.44	0.41	0.42	0.41	0.41	0.42
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	0.77	0.80	0.84	0.87	0.88	1.00	1.09	1.12	1.13
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	0.77	0.80	0.84	0.87	0.88	1.00	1.09	1.12	1.13
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Other Production									
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use									
4. Agriculture	16.19	16.46	15.99	16.22	16.11	16.66	16.83	16.70	16.73
A. Enteric Fermentation	12.45	12.41	11.91	12.00	11.90	12.23	12.39	12.14	12.01
B. Manure Management	3.74	4.05	4.08	4.22	4.21	4.42	4.45	4.57	4.72
C. Rice Cultivation	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Agricultural Soils	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
A. Forest Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	3.49	3.56	3.57	3.55	3.44	3.32	3.20	3.16	3.10
A. Solid Waste Disposal on Land	3.20	3.28	3.30	3.25	3.15	3.03	2.93	2.86	2.76
B. Waste-water Handling	0.29	0.28	0.28	0.27	0.26	0.26	0.25	0.24	0.23
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	NO	NO	NO	0.02	0.03	0.03	0.03	0.06	0.11
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	21.98	22.47	22.03	22.22	21.95	22.36	22.54	22.30	22.25
Total CH4 emissions excluding CH4 from LULUCF	21.98	22.47	22.03	22.22	21.95	22.36	22.54	22.30	22.25
Memo Items:									
International Bunkers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass									

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

Table 1(b)

LUX_BR1_v1.0

Emission trends (CH₄)
(Sheet 2 of 3)

CRF: LUX_CRF_ v1.2

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
1. Energy	2.46	2.51	2.65	3.16	3.17	3.40	3.30	3.34	3.06	2.93
A. Fuel Combustion (Sectoral Approach)	1.29	1.31	1.31	1.26	1.23	1.25	1.19	1.12	0.98	0.94
1. Energy Industries	0.05	0.04	0.05	0.06	0.06	0.07	0.07	0.07	0.07	0.07
2. Manufacturing Industries and Construction	0.07	0.07	0.08	0.07	0.07	0.08	0.11	0.11	0.11	0.10
3. Transport	0.77	0.79	0.76	0.73	0.69	0.69	0.62	0.54	0.44	0.39
4. Other Sectors	0.40	0.41	0.42	0.39	0.40	0.41	0.40	0.39	0.36	0.38
5. Other	0.00	0.00	0.00	0.00	0.00	NO	NO	NO	NO	NO
B. Fugitive Emissions from Fuels	1.17	1.20	1.33	1.91	1.94	2.15	2.11	2.22	2.07	1.98
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	1.17	1.20	1.33	1.91	1.94	2.15	2.11	2.22	2.07	1.98
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use										
4. Agriculture	17.17	16.79	16.75	16.29	15.82	15.60	15.74	15.56	15.68	16.00
A. Enteric Fermentation	12.00	11.84	11.90	11.56	11.22	11.11	11.09	10.98	11.38	11.63
B. Manure Management	5.17	4.94	4.84	4.73	4.60	4.49	4.66	4.58	4.30	4.37
C. Rice Cultivation	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Agricultural Soils	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
A. Forest Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	3.00	2.95	2.83	2.80	2.82	2.56	2.47	2.41	2.33	2.25
A. Solid Waste Disposal on Land	2.67	2.52	2.43	2.36	2.32	2.07	1.97	1.87	1.81	1.70
B. Waste-water Handling	0.22	0.21	0.21	0.20	0.19	0.19	0.18	0.18	0.18	0.16
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	0.11	0.21	0.20	0.24	0.31	0.30	0.32	0.36	0.34	0.39
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	22.63	22.24	22.23	22.26	21.80	21.56	21.51	21.31	21.06	21.18
Total CH4 emissions excluding CH4 from LULUCF	22.63	22.24	22.23	22.26	21.80	21.56	21.51	21.31	21.06	21.18
Memo Items:										
International Bunkers	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Aviation	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass										

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

Emission trends (CH₄)

(Sheet 3 of 3)

CRF: LUX_CRF__ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	2.91	3.06	2.68	16.87
A. Fuel Combustion (Sectoral Approach)	0.91	0.90	0.82	-46.38
1. Energy Industries	0.07	0.07	0.07	79.11
2. Manufacturing Industries and Construction	0.09	0.10	0.09	-41.46
3. Transport	0.35	0.32	0.32	-64.69
4. Other Sectors	0.40	0.42	0.34	-20.49
5. Other	NO	NO	NO	-100.00
B. Fugitive Emissions from Fuels	2.00	2.16	1.87	141.19
1. Solid Fuels	NO	NO	NO	0.00
2. Oil and Natural Gas	2.00	2.16	1.87	141.19
2. Industrial Processes	NA, NO	NA, NO	NA, NO	0.00
A. Mineral Products	NO	NO	NO	0.00
B. Chemical Industry	NO	NO	NO	0.00
C. Metal Production	NA, NO	NA, NO	NA, NO	0.00
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use				
4. Agriculture	16.16	16.52	16.22	0.18
A. Enteric Fermentation	11.73	11.96	11.63	-6.53
B. Manure Management	4.43	4.56	4.59	22.51
C. Rice Cultivation	NA, NO	NA, NO	NA, NO	0.00
D. Agricultural Soils	NA, NE	NA, NE	NA, NE	0.00
E. Prescribed Burning of Savannas	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	NO	NO	NO	0.00
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	NE, NO	NE, NO	NE, NO	0.00
A. Forest Land	NO	NO	NO	0.00
B. Cropland	NO	NO	NO	0.00
C. Grassland	NO	NO	NO	0.00
D. Wetlands	NO	NO	NO	0.00
E. Settlements	NE	NE	NE	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NE	NE	NE	0.00
6. Waste	2.11	1.99	1.90	-45.42
A. Solid Waste Disposal on Land	1.61	1.49	1.40	-56.06
B. Waste-water Handling	0.15	0.15	0.14	-50.53
C. Waste Incineration	IE	IE	IE	0.00
D. Other	0.35	0.35	0.35	100.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CH₄ emissions including CH₄ from LULUCF	21.19	21.57	20.81	-5.31
Total CH₄ emissions excluding CH₄ from LULUCF	21.19	21.57	20.81	-5.31
Memo Items:				
International Bunkers	0.01	0.01	0.01	208.76
Aviation	0.01	0.01	0.01	209.04
Marine	0.00	0.00	0.00	86.88
Multilateral Operations	NO	NO	NO	0.00
CO₂ Emissions from Biomass				

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

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

Custom Footnotes

Emission trends (N₂O)
(Sheet 1 of 3)

CRF: LUX_CRF_ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	0.18	0.21	0.24	0.25	0.27	0.25	0.26	0.28	0.29
A. Fuel Combustion (Sectoral Approach)	0.18	0.21	0.24	0.25	0.27	0.25	0.26	0.28	0.29
1. Energy Industries	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
2. Manufacturing Industries and Construction	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05
3. Transport	0.10	0.13	0.16	0.17	0.18	0.18	0.19	0.20	0.20
4. Other Sectors	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.02
5. Other	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01
B. Fugitive Emissions from Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	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	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02
4. Agriculture	1.30	1.31	1.32	1.27	1.22	1.24	1.26	1.23	1.21
A. Enteric Fermentation									
B. Manure Management	0.13	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.09
C. Rice Cultivation									
D. Agricultural Soils	1.17	1.19	1.22	1.16	1.12	1.14	1.16	1.13	1.12
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
A. Forest Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Cropland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
A. Solid Waste Disposal on Land									
B. Waste-water Handling	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.01
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	1.55	1.59	1.63	1.59	1.55	1.56	1.59	1.58	1.57
Total N2O emissions excluding N2O from LULUCF	1.54	1.58	1.62	1.58	1.54	1.55	1.58	1.57	1.56
Memo Items:									
International Bunkers	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Aviation	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass									

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

Emission trends (N₂O)

(Sheet 2 of 3)

CRF: LUX_CRF__ v1.2

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
1. Energy	0.29	0.29	0.31	0.32	0.38	0.42	0.42	0.39	0.38	0.37
A. Fuel Combustion (Sectoral Approach)	0.29	0.29	0.31	0.32	0.38	0.42	0.42	0.39	0.38	0.37
1. Energy Industries	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2. Manufacturing Industries and Construction	0.05	0.04	0.04	0.06	0.11	0.11	0.11	0.10	0.10	0.08
3. Transport	0.21	0.23	0.23	0.23	0.24	0.26	0.27	0.25	0.24	0.25
4. Other Sectors	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
5. Other	0.01	0.00	0.00	0.00	0.00	NO	NO	NO	NO	NO
B. Fugitive Emissions from Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02
4. Agriculture	1.21	1.19	1.11	1.11	1.02	1.13	1.06	1.04	1.05	1.05
A. Enteric Fermentation										
B. Manure Management	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.08
C. Rice Cultivation										
D. Agricultural Soils	1.13	1.11	1.03	1.04	0.94	1.06	0.98	0.97	0.96	0.97
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
A. Forest Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Cropland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06
A. Solid Waste Disposal on Land										
B. Waste-water Handling	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.03
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	1.57	1.56	1.49	1.51	1.48	1.63	1.55	1.52	1.51	1.50
Total N2O emissions excluding N2O from LULUCF	1.56	1.55	1.48	1.51	1.47	1.62	1.54	1.51	1.51	1.49
Memo Items:										
International Bunkers	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.04
Aviation	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.04
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass										

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

Emission trends (N₂O)

(Sheet 3 of 3)

CRF: LUX_CRF__ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	0.36	0.37	0.37	109.57
A. Fuel Combustion (Sectoral Approach)	0.36	0.37	0.37	109.57
1. Energy Industries	0.01	0.01	0.01	67.91
2. Manufacturing Industries and Construction	0.09	0.09	0.07	29.73
3. Transport	0.23	0.24	0.26	175.67
4. Other Sectors	0.03	0.04	0.03	100.45
5. Other	NO	NO	NO	-100.00
B. Fugitive Emissions from Fuels	NA, NO	NA, NO	NA, NO	0.00
1. Solid Fuels	NO	NO	NO	0.00
2. Oil and Natural Gas	NA, NO	NA, NO	NA, NO	0.00
2. Industrial Processes	NA, NO	NA, NO	NA, NO	0.00
A. Mineral Products	NO	NO	NO	0.00
B. Chemical Industry	NO	NO	NO	0.00
C. Metal Production	NA	NA	NA	0.00
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use	0.02	0.02	0.02	-46.40
4. Agriculture	1.07	1.07	1.04	-19.89
A. Enteric Fermentation				
B. Manure Management	0.08	0.08	0.08	-39.37
C. Rice Cultivation				
D. Agricultural Soils	0.99	0.98	0.96	-17.66
E. Prescribed Burning of Savannas	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	NO	NO	NO	0.00
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.01	0.01	0.01	-10.72
A. Forest Land	NO	NO	NO	0.00
B. Cropland	0.01	0.01	0.01	-10.72
C. Grassland	NO	NO	NO	0.00
D. Wetlands	NO	NO	NO	0.00
E. Settlements	NE	NE	NE	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NE	NE	NE	0.00
6. Waste	0.06	0.06	0.06	98.98
A. Solid Waste Disposal on Land				
B. Waste-water Handling	0.04	0.03	0.03	14.79
C. Waste Incineration	IE	IE	IE	0.00
D. Other	0.03	0.02	0.03	100.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total N2O emissions including N2O from LULUCF	1.52	1.52	1.49	-3.34
Total N2O emissions excluding N2O from LULUCF	1.51	1.52	1.49	-3.30
Memo Items:				
International Bunkers	0.04	0.04	0.03	209.02
Aviation	0.04	0.04	0.03	209.04
Marine	0.00	0.00	0.00	86.88
Multilateral Operations	NO	NO	NO	0.00
CO2 Emissions from Biomass				

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

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

Custom Footnotes

Table 1(d)

LUX_BR1_v1.0

Emission trends (HFCs, PFCs and SF₆)**(Sheet 1 of 3)**

CRF: LUX_CRF__ v1.2

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	<i>Base year^a</i>	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt</i>	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO₂ eq)	12.01	12.01	12.21	12.93	13.68	15.59	15.91	17.17	19.99
HFC-23	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
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	0.00	0.00
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
HFC-152a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00
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 ₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
CF ₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₂ F ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	1.13	1.21	1.29	1.37	1.46	1.55	1.71	1.87	1.97
SF ₆	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)

LUX_BR1_v1.0

Emission trends (HFCs, PFCs and SF₆)

(Sheet 2 of 3)

CRF: LUX_CRF__ v1.2

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
Emissions of HFCsc - (kt CO₂ eq)	23.96	28.62	34.15	41.86	46.76	49.18	53.01	56.91	61.11	63.46
HFC-23	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-41	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	0.00	0.00	0.00	0.00	0.00	0.00	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	NA, NO
HFC-134a	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
HFC-152a	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-227ea	NA, NO	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	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 ₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO₂ eq)	NA, NO	0.01	0.01	0.01	0.02	0.11	0.15	0.17	0.21	0.24
CF ₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₂ F ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C 3F8	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₃ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	2.05	2.15	2.82	3.37	4.09	4.60	5.04	5.71	6.15	6.57
SF ₆	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 SF₆)

(Sheet 3 of 3)

CRF: LUX_CRF__ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
Emissions of HFCsc - (kt CO₂ eq)	65.54	66.47	67.00	457.88
HFC-23	NA, NO	NA, NO	NA, NO	0.00
HFC-32	0.00	0.00	0.00	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	0.01	0.01	0.01	100.00
HFC-134	NA, NO	NA, NO	NA, NO	0.00
HFC-134a	0.02	0.03	0.03	173.54
HFC-152a	0.00	0.00	0.00	442.39
HFC-143	NA, NO	NA, NO	NA, NO	0.00
HFC-143a	0.00	0.00	0.00	100.00
HFC-227ea	NA, NO	NA, NO	NA, NO	0.00
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 ₂ eq)	NA, NO	NA, NO	NA, NO	0.00
Emissions of PFCsc - (kt CO₂ eq)	0.22	0.20	0.18	100.00
CF ₄	NA, NO	NA, NO	NA, NO	0.00
C ₂ F ₆	NA, NO	NA, NO	NA, NO	0.00
C ₃ F ₈	0.00	0.00	0.00	100.00
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	0.00
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	0.00
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	0.00
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	0.00
Emissions of SF₆(3) - (Gg CO₂ equivalent)	7.00	7.39	7.75	587.66
SF ₆	0.00	0.00	0.00	587.66

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

^a 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.

^cEnter 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 CO₂ equivalent emissions.

^dIn 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 CO₂ equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

Custom Footnotes

Documentation Box:

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Table 2(a)

LUX_BR1_v1.0

Description of quantified economy-wide emission reduction target: base year^a

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

^a 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.

^b Optional.

Description of quantified economy-wide emission reduction target: gases and sectors covered^a

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
CO ₂		1990
CH ₄		1990
N ₂ O		1990
HFCs		1990
PFCs		1990
SF ₆		1990
NF ₃		1990
Other Gases (specify)		
Sectors covered ^b	Energy	Yes
	Transport ^f	Yes
	Industrial processes ^g	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	

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

^a 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.

^b 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.

^f Transport is reported as a subsector of the energy sector.

^g 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)^a

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

Abbreviations : GWP = global warming potential

^a 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.

^b 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^a

Role of LULUCF	LULUCF in base year level and target	Excluded
	Contribution of LULUCF is calculated using	

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

^a 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^a

<i>Market-based mechanisms under the Convention</i>	<i>Possible scale of contributions (estimated kt CO₂ eq)</i>
CERs	NE
ERUs	NE
AAUs ⁱ	NE
Carry-over units ^j	NE
Other mechanism units under the Convention (specify) ^d	

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

^a 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.

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

ⁱ AAUs issued to or purchased by a Party.

^j 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^a

<i>Other market-based mechanisms</i>	<i>Possible scale of contributions</i>
<i>(Specify)</i>	<i>(estimated kt CO₂ eq)</i>

^a 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^{a,b}

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^a 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.

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

Custom Footnotes

Table 3

LUX_BR1_v1.0

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

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)			
									2015	2020	2025	2030
Transport - road fuels	Transport	CO ₂	Reducing road fuel sales.	Fiscal	Planned	Reduce the price differential between Luxembourg and its neighbouring countries with regard to road fuels whilst taking into consideration the impacts on the public finance and the economy in general.	mid-term	MDDI-DEV / MFIN-ADA	NE	NE	NE	NE
Transport - road fuels: biofuels	Transport	CO ₂	Increasing the share of biofuels in road fuel sales.	Regulatory	Planned	Increased share of second generation biofuels in road fuel sales so to help achieving the mandatory EU 2020 objective in renewable energy sources assigned to Luxembourg, i.e. 10% renewables in the transportation sector.	2007	MECO-DEN	345.33	550.60	590.20	633.60
Transport – road fuels: alternative means of propulsion	Transport	CO ₂	Developing the use of electric and hybrid vehicles as well as of gas powered vehicles / Going on with the “CAR-e” scheme for electric and hybrid vehicles emitting less than 60g CO ₂ /km / Launching an “ecological mobility” label for enterprises using low consumption and emissions vehicles.	Economic Regulatory Voluntary Agreement	Implemented	Reaching a share of 10% for electric vehicles in the total number of passenger cars by 2020 (i.e. some 40 000 vehicles). The 2020 objective is also to install 850 electric charging stations and to develop a network of petrol stations offering natural gas / Pursuing the “CAR-e” scheme for electric and hybrid vehicles for the years 2013 and 2014, and terminate it by 2015.	NE	MDDI-DAT / MDDI-DEV / MECO-DEN / ILR / CdT	6.20	172.65	225.12	251.08
Transport – vehicles taxation	Transport	CO ₂	Increasing energy efficiency of the vehicle fleet / Setting up an incentive for promoting an offer of company cars that is more environment-friendly.	Other (Fiscal)	Planned	Re-evaluating the car tax with regard to the bonus offered when buying new cars respecting certain criteria. This might not be necessary any more since the “CAR-e” scheme will be discontinued by end 2014 / Examining if it would be relevant to apply an extra tax for high emitting vehicles / Examining different options chosen in other countries to deal with the issue of company cars. Options could be incentives, taxation schemes according to the average emissions rate of a company vehicles fleet, etc.	NE	MDDI-DEV / MFIN-ACD / MFIN-ADA	NE	NE	NE	NE
Transport – public transport & cycling and walking	Transport	CO ₂	MoDu Plan objectives of 25% of daily trips by non-motorized traffic (walking & cycling) and 25% of motorized trips by public transport by 2020 / Interlinking real near-time transportation related data to provide users with on-line information at any time.	Regulatory Information Voluntary Agreement Other (Planning)	Implemented	Set of measures aiming at changing the actual mobility patterns towards an increased use of public transportation and non-motorized traffic: land planning, infrastructures, reorganising the public train & buses transport networks to increase intermodal connection, increasing the capacities of public transport (places, frequencies), car-pooling & sharing, favour cycling & walking, raising awareness, providing better & faster information, etc. Always with a trans-border aspect due to the high number of cross-border commuters.	NE	MDDI-DAT / MINT / CdT / CFL / municipalities / foreign neighbouring Regions	NE	NE	NE	NE

Table 3

LUX_BR1_v1.0

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

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)			
									2015	2020	2025	2030
Energy supply: alternatives & renewable energy sources	Energy	CO ₂	Increasing the share of renewable energy sources, with a focus on the use of biomass, in the electricity and gas networks, whether it is produced by households or enterprises / Developing heat generation (cogeneration) from renewable energy sources.	Economic Regulatory Other (Planning)	Implemented	Promoting the supply of renewable energy sources with a focus on biomass (wood, green waste, agricultural waste & sewage sludge), notably via the launch of a financial compensation for the supply of biogas / Reassessment and adaptation of the compensation mechanisms (tariffs) notably to promote heat generation / Better adequacy between planning tools, decision and public information.	NE	MDDI_DEV / MDDI-AEV / MDDI-AGE / MECO-DEN / MAVPC	NE	NE	NE	NE
Energy consumption – energy efficiency: housing	Energy	CO ₂	Increasing energy efficiency in the residential sector: old and new constructions / Progressive strengthening of energy efficiency requirements for new residential buildings; the targets are: C/B energy norm in 2012, then reinforcement every two years to reach an “almost zero” energy consumption for new residential buildings by 2018.	Economic Fiscal Regulatory Education Information Other (Planning)	Implemented	Better planning for the development of new residential areas / Adapting subsidies and other fiscal measures for residential buildings (new & renovated), notably to the energy efficiency performance of the construction and to sustainable development criteria.	NE	MDDI-DEV / MECO-DEN / MLOG / MFIN / MFIN-ACD / MTEES / MFIGR / myenergy	0.00	0.00	29.50	66.34
Energy consumption – renewable energy sources: housing	Energy	CO ₂	Increasing the share of renewable energy sources in the residential sector related energy final consumption.	Economic Regulatory Education Information	Implemented	Adapting subsidies and other fiscal measures for residential buildings (new & renovated), notably to sustainable development criteria, and reinforcing minimum standards for obtaining subsidies.	NE	MDDI-DEV MECO-DEN MLOG MFIN MTEES MFIGR myenergy	NE	NE	NE	NE
Energy consumption – energy efficiency: public & commercial services, retail	Energy	CO ₂	Increasing energy efficiency in the commercial/institutional sector: old and new constructions with the aim of reaching “near zero” passive buildings by 2020.	Regulatory Voluntary Agreement Education Information Other (Monitoring)	Implemented	Renovating public buildings so that they become more energy efficient, notably by elaborating a measuring concept and the installation of smart meters / Progressive adaptation of energy standards for new commercial and institutional buildings so to reach “nearly zero” energy consumption for new constructions / Promoting “energy contracting” to SMEs operating in the tertiary sector / See also the “Climate Agreement” with municipalities.		MDDI-DEV / MECO-DEN / ABP / CRTE / myenergy / Luxinnovation / OAI / Klima-Bündnis	0.00	0.00	13.50	33.70

Table 3

LUX_BR1_v1.0

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

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)			
									2015	2020	2025	2030
Energy consumption – renewable energy sources: public & commercial services, retail	Energy	CO ₂	Increasing the share of renewable energy sources in the commercial/institutional sector related energy final consumption.	Regulatory Education Information	Implemented	Increasing the use of renewable energy sources in public buildings located in municipalities / See also the "Climate Agreement" with municipalities.		MDDI-DEV / MECO-DEN / myenergy	NE	NE	NE	NE
Energy consumption – energy efficiency: manufacturing industries	Industry/industrial processes	CO ₂	Increasing energy efficiency in the manufacturing industry sector.	Voluntary Agreement Education Information	Implemented	Developing of the use of cross-cutting technologies and their energy savings potential / Assessing incentives to save energy and their effect on the installations / Various projects aiming at a better deployment of energy efficiency projects in industries and SMEs through education / Voluntary agreement FEDIL - State.	NE	MDDI-DEV / MECO-DEN / MECO-DCM / CRTE / myenergy / Luxinnovation / OAI / Klima-Bündnis	NE	NE	NE	NE
Energy consumption – renewable energy sources: manufacturing industries	Industry/industrial processes	CO ₂	Increasing the share of renewable energy sources in the manufacturing industry sector related energy final consumption.	Regulatory Education Information	Implemented	Increasing the use of renewable energy sources in manufacturing industries (combustion, processes).	NE	MDDI-DEV / MECO-DCM / MECO-DEN / myenergy	NE	NE	NE	NE
EU ETS	Industry/industrial processes	CO ₂	Increasing energy efficiency in companies under the EU ETS.	Voluntary Agreement	Implemented	Assessing incentives to save energy and their effect on the installations / Voluntary agreement FEDIL - State.	1996	MDDI-DEV / MECO-DEN	NE	NE	NE	NE
Municipalities ("Pacte Climat" - "Climate Agreement")	Energy	CO ₂	Improving energy efficiency and the use of renewable energy sources in municipal buildings.	Regulatory	Implemented	Increasing energy efficiency of public buildings located in municipalities, as well as the use of renewable energy sources / Nominating advisers so to help municipalities to implement the "Climate Agreement" / Implementing and following-up the "Climate Agreement", notably by making data collection compulsory with regard to energy consumption and related emissions.	2013	MDDI-DEV / MECO-DEN / MINT / SIGI / Syvicol	NE	NE	NE	NE
Agriculture, land use & forestry	Agriculture, Forestry/LULUCF	CO ₂ , N ₂ O	Increasing carbon storage by forests and in cultivated land.	Regulatory Other (Research) Other (Planning)	Planned	Developing agro-forestry activities which consist in mixing agricultural activities (crops, livestock) and trees so to combine economic (agriculture) and ecological (environment protection, climate change mitigation) conditions / Implementing new findings and approaches so to increase the "carbon sink" role of the forests and of cultivated land, alongside with techniques aiming at reducing soil erosion.	2014	MDDI-ANF / MAVPC / MAVPC-ASTA	NE	NE	NE	NE
Innovation & research	Cross-cutting	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃	Promoting eco-technologies in the fields of invention and innovation.	Other (Research)	Implemented	Suggesting a better use of public financial supports for the promotion and the use of eco-technologies, as well as supporting sectors and businesses operating in eco-technologies.	NE	MDDI-DEV / MECO-DEN / MESR / Luxinnovation / Public Research Centres	NA	NA	NA	NA
Taxation (excl. road fuels)	Cross-cutting	CO ₂ , CH ₄ , N ₂ O	Setting up a legal framework for environmentally harmful subsidies.	Regulatory	Implemented	Analysing the different subsidies in conjunction with their possible harmful impacts on the environment.	2013	MDDI-DEV / MFIN	NA	NA	NA	NA

Table 3

LUX_BR1_v1.0

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

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)			
									2015	2020	2025	2030
Education, information, awareness, advices	Energy, Transport	CO ₂	Training, education and awareness rising in the fields of energy efficiency, renewable energy sources and transportation.	Regulatory Education Information	Implemented	Promoting and diffusing information, notably on energy efficient and ecological construction and renovation, and on their their advantages / Development of advices and support to industry and SMEs concerning energy efficiency and the usage of renewable energy sources / Enhancing capacities and knowledge amongst the construction companies through various learning schemes / Ensuring that myenergy can fulfil all its missions. Use of new communication tools to increase attractiveness for public transport.	NE	MDDI-DAT / MDDI-DEV / MECO-DEN / MECO-DCM / MLOG / MTEES / MFIGR / CdT / myenergy	NA	NA	NA	NA
Governance	Cross-cutting	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃	Increasing the governance of the energy and climate change related activities in Luxembourg: "good governance" actions.	Regulatory Information Other (Monitoring)	Implemented	Giving a future, clear perspectives and a legal framework to the work and functioning of the "Environment and Climate Partnership" / Regular follow-up of the Action Plan so to initiate, if applicable, corrective or revised measures / Thorough monitoring of the measures taken in the framework of the "Climate Agreement" / Development of statistical and econometric work on energy consumption and related emissions: projections, ex ante & ex post evaluations of P&Ms (emissions, abatement costs), etc.	2013	MDDI-DEV / MECO-DEN / STATEC / SIGI	NA	NA	NA	NA
Other measures	Energy, Transport	CO ₂	Promoting sustainable and environment-friendly public purchases and procurements, as well in public planning.	Information Education Other (Planning) Other (Monitoring)	Implemented	Establishing rules for sustainable public procurements and to monitor them.	2013	MDDI-DEV / MECO-DEN	NA	NA	NA	NA

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.

^a Parties should use an asterisk (*) to indicate that a mitigation action is included in the 'with measures' projection.

^b 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.

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

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

^e Additional information may be provided on the cost of the mitigation actions and the relevant timescale.

^f Optional year or years deemed relevant by the Party.

Custom Footnotes

Abbreviations in the column "Implementing entity or entities" are described under Table IV.3-1 of the NC6 (p. 178-179).

Table 4

LUX_BR1_v1.0

Reporting on progress^{a, b}

<i>Year^c</i>	<i>Total emissions excluding LULUCF</i>	<i>Contribution from LULUCF^d</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 CO₂ eq)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>
(1990)	13,167.50	NA	NA	NA		
2008	12,187.60	64.54	NO	NO		
2009	11,689.99	63.38	NO	NO		
2010	12,252.09	47.11	4,280,589.00	4,280.58		
2011	12,097.92	30.84	2,252,662.00	2,252.65		
2012	12,157.45	NE	2,052,211.00	2,052.20		

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

^a 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.

^b 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.

^c Parties may add additional rows for years other than those specified below.

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

Custom Footnotes

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2011^{a,b}

	<i>Net GHG emissions/removals from LULUCF categories^c</i>	<i>Base year/period or reference level value^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF^e</i>	<i>Accounting approach^f</i>
	<i>(kt CO₂ eq)</i>				
Total LULUCF					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other ^g					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other ^g					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other ^g					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other ^g					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other ^g					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other ^g					
Harvested wood products					

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

^a 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.

^b 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.

^c 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.

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

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

^f 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).

^g 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

As KP Party, Luxembourg filled in Table 4(a)II, but not Table 4(a)I.

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^{a, b}

	<i>Net GHG emissions/removals from LULUCF categories^c</i>	<i>Base year/period or reference level value^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF^e</i>	<i>Accounting approach^f</i>
	<i>(kt CO₂ eq)</i>				
Total LULUCF					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other ^g					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other ^g					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other ^g					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other ^g					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other ^g					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other ^g					
Harvested wood products					

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

^a 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.

^b 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.

^c 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.

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

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

^f 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).

^g 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

As KP Party, Luxembourg filled in Table 4(a)II, but not Table 4(a)I.

Table 4(a)II

LUX_BR1_v1.0
Source: LUX_CRF__ v1.2

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^{a,b,c}

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Base year ^d	Net emissions/removals ^e					Accounting parameters ^h	Accounting quantity ⁱ
		2008	2009	2010	2011	Total ^g		
(kt CO ₂ eq)								
A. Article 3.3 activities								
A.1. Afforestation and Reforestation								-357.93
A.1.1. Units of land not harvested since the beginning of the commitment period ^j		-76.51	-78.00	-93.80	-109.61	-357.93		-357.93
A.1.2. Units of land harvested since the beginning of the commitment period ^j								NO
A.2. Deforestation		141.05	141.38	140.92	140.45	563.80		563.79625
B. Article 3.4 activities								
B.1. Forest Management (if elected)		NA	NA	NA	NA	NA		NA
3.3 offset ^k							205.86918	NA
FM cap ^l							183.33333	NA
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 CO₂ eq equals 1 Gg CO₂ eq.

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

^a 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.

^b 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.

^c 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

^d Net emissions and removals in the Party's base year, as established by decision 9/CP.2.

^e 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.

^f Additional columns for relevant years should be added, if applicable.

^g Cumulative net emissions and removals for all years of the commitment period reported in the current submission.

^h The values in the cells "3.3 offset" and "Forest management cap" are absolute values.

ⁱ 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.

^j 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.

^k 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.

^l 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.

Custom Footnotes

Documentation Box:

Reporting on progress^{a, b, c}

Units of market based mechanisms			Year	
			2011	2012
Kyoto Protocol units ^d	Kyoto Protocol units	(number of units)	2,252,662.00	2,052,211.00
		(kt CO ₂ eq)	2,252.65	2,052.20
	AAUs	(number of units)	2,065,018.00	1,810,479.00
		(kt CO ₂ eq)	2,065.01	1,810.47
	ERUs	(number of units)	NO	NO
		(kt CO ₂ eq)	NO	NO
	CERs	(number of units)	187,644.00	241,732.00
		(kt CO ₂ eq)	187.64	241.73
	tCERs	(number of units)	NO	NO
		(kt CO ₂ eq)	NO	NO
	ICERs	(number of units)	NO	NO
		(kt CO ₂ eq)	NO	NO
Other units ^{d,e}	Units from market-based mechanisms under the Convention	(number of units)		
		(kt CO ₂ eq)		
	Units from other market-based mechanisms	(number of units)		
		(kt CO ₂ eq)		
Total	(number of units)	2,252,662.00	2,052,211.00	
	(kt CO ₂ eq)	2,252.65	2,052.20	

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.

^a 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.

^b 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.

^c Parties may include this information, as appropriate and if relevant to their target.

^d Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

^e Additional rows for each market-based mechanism should be added, if applicable.

Custom Footnotes

1 unit = 1 t CO₂ eq / Disaggregation of use of KP units at annual level is not relevant for the first commitment period of the KP. Hence, NA in the "Comments" column.

Table 5

LUX_BR1_v1.0

Summary of key variables and assumptions used in the projections analysis^a

<i>Key underlying assumptions</i>		<i>Historical^b</i>							<i>Projected</i>			
<i>Assumption</i>	<i>Unit</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>Population</i>	<i>thousands</i>	384.40	411.60	439.00	469.10	511.80	524.90	537.00	541.11	578.10	600.36	646.74
Total gross inland energy consumption	PJ	144.04	134.63	149.62	190.57	184.55	182.68	177.78	186.44	194.93	205.84	215.60
Energy demand - energy industries	PJ	NE	NE	NE	NE	NE	NE	NE	21.97	22.42	22.64	22.87
Energy demand - industry	PJ	NE	NE	30.60	32.73	32.34	28.92	26.38	22.26	22.63	22.76	22.69
Energy demand - commercial (tertiary)	PJ	NE	NE	17.85	17.49	19.34	18.20	23.52	8.74	8.26	8.16	8.06
Energy demand - residential	PJ	NE	NE	20.09	22.82	22.47	21.01	18.84	16.15	14.83	13.46	12.15
Energy demand - transport	PJ	NE	NE	80.94	117.29	110.03	114.18	108.70	116.71	126.25	138.34	149.41
<i>Net electricity import</i>	<i>GWh</i>	3,910.54	4,949.32	5,708.52	3,260.30	4,063.44	4,482.00	4,110.00	3,745.21	3,864.59	3,978.64	3,833.47

^a Parties should include key underlying assumptions as appropriate.

^b Parties should include historical data used to develop the greenhouse gas projections reported.

Custom Footnotes

For energy related assumptions, a detail by fuel type is available in the template used by EU Member States to report to the EC on GHG projections and P&Ms. This template is available upon request.

Table 6(a)

LUX_BR1_v1.0

Information on updated greenhouse gas projections under a 'with measures' scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	2,636.68	1,404.16	1,528.03	1,873.37	3,026.39	3,013.80	2,546.55	2,696.23	2,494.06
Transport	2,778.54	2,721.07	3,452.79	4,865.33	7,015.96	6,388.14	6,848.96	7,346.75	8,659.28
Industry/industrial processes	6,945.82	7,950.10	4,381.45	2,222.79	2,326.22	2,111.99	1,980.42	2,121.30	2,155.00
Agriculture	756.93	743.20	734.71	721.34	657.76	677.94	663.65	562.33	500.01
Forestry/LULUCF	NA	347.75	-238.10	-385.41	-385.65	-295.26	-294.20	NE	NE
Waste management/waste	49.53	82.48	80.52	77.20	70.04	60.21	58.33	59.13	55.21
Other (specify)									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	NA	12,295.16	8,969.12	8,392.51	11,719.50	10,957.51	10,828.84	NA	NA
CO ₂ emissions excluding net CO ₂ from LULUCF	12,219.20	11,950.26	9,210.07	8,780.74	12,107.85	11,255.34	11,125.58	11,862.76	12,975.36
CH ₄ emissions including CH ₄ from LULUCF	NA	461.51	469.59	467.14	451.79	452.87	437.00	NA	NA
CH ₄ emissions excluding CH ₄ from LULUCF	460.04	461.51	469.59	467.14	451.79	452.87	437.00	419.76	376.57
N ₂ O emissions including N ₂ O from LULUCF	NA	478.96	483.53	484.19	481.21	472.39	462.95	NA	NA
N ₂ O emissions excluding N ₂ O from LULUCF	471.14	476.11	480.68	481.37	478.52	469.83	460.41	414.36	404.20
HFCs	14.21	12.01	15.59	28.62	53.01	66.47	67.00	75.73	84.72
PFCs	NO	NA, NO	NA, NO	0.01	0.15	0.20	0.18	0.24	0.27
SF ₆	2.91	1.13	1.55	2.15	5.04	7.39	7.75	12.89	22.43
Other (specify)									
Total with LULUCF^f	17.12	13,248.77	9,939.38	9,374.62	12,710.70	11,956.83	11,803.72	88.86	107.42
Total without LULUCF	13,167.50	12,901.02	10,177.48	9,760.03	13,096.36	12,252.10	12,097.92	12,785.74	13,863.55

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

^a 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^a

	<i>GHG emissions and removals^b</i>							GHG emission projections	
	<i>(kt CO₂ eq)</i>							<i>(kt CO₂ eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030

^b 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.

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

^d 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.

^e 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.

^f Parties may choose to report total emissions with or without LULUCF, as appropriate.

Custom Footnotes

Base year data corresponds to those used for defining Luxembourg's Assigned Amount under the Kyoto Protocol (CP1). These values are extracted from the "Report of the review of the initial report of Luxembourg" (doc. FCCC/IRR/2007/LUX of 14 December 2007 and its associated GHG inventory - submission 2007v3.1). The base year is 1990 except for HFCs, PFCs and SF6 for which the base year is 1995.

CRF 3 is included in "Industry/industrial processes" since it is not possible to enter data for the row "Other (specify)" !

Table 6(c)

LUX_BR1_v1.0

Information on updated greenhouse gas projections under a ‘with additional measures’ scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)								
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	2,636.68	1,404.16	1,528.03	1,873.37	3,026.39	3,013.80	2,546.55	2,696.23	2,393.33
Transport	2,778.54	2,721.07	3,452.79	4,865.33	7,015.96	6,388.14	6,848.96	6,614.98	7,764.17
Industry/industrial processes	6,945.82	7,950.10	4,381.45	2,222.79	2,326.22	2,111.99	1,980.42	2,121.30	2,155.00
Agriculture	756.93	743.20	734.71	721.34	657.76	677.94	663.65	562.33	500.01
Forestry/LULUCF	NA	347.75	-238.10	-385.41	-385.65	-295.26	-294.20	NE	NE
Waste management/waste	49.53	82.48	80.52	77.20	70.04	60.21	58.33	59.13	55.21
Other (specify)									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	NA	12,295.16	8,969.12	8,392.51	11,719.50	10,957.51	10,828.84	NA	NA
CO ₂ emissions excluding net CO ₂ from LULUCF	12,219.20	11,950.26	9,210.07	8,780.74	12,107.85	11,255.34	11,125.58	11,139.51	11,990.64
CH ₄ emissions including CH ₄ from LULUCF	NA	461.51	469.59	467.14	451.79	452.87	437.00	NA	NA
CH ₄ emissions excluding CH ₄ from LULUCF	460.04	461.51	469.59	467.14	451.79	452.87	437.00	419.69	375.99
N ₂ O emissions including N ₂ O from LULUCF	NA	478.96	483.53	484.19	481.21	472.39	462.95	NA	NA
N ₂ O emissions excluding N ₂ O from LULUCF	471.14	476.11	480.68	481.37	478.52	469.83	460.41	405.91	393.66
HFCs	14.21	12.01	15.59	28.62	53.01	66.47	67.00	75.73	84.72
PFCs	NO	NA, NO	NA, NO	0.01	0.15	0.20	0.18	0.24	0.27
SF ₆	2.91	1.13	1.55	2.15	5.04	7.39	7.75	12.89	22.43
Other (specify)									
Total with LULUCF^f	17.12	13,248.77	9,939.38	9,374.62	12,710.70	11,956.83	11,803.72	88.86	107.42
Total without LULUCF	13,167.50	12,901.02	10,177.48	9,760.03	13,096.36	12,252.10	12,097.92	12,053.97	12,867.71

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

^a 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^a

	<i>GHG emissions and removals^b</i>							GHG emission projections	
	<i>(kt CO₂ eq)</i>							<i>(kt CO₂ eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030

^b 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.

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

^d 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.

^e 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.

^f Parties may choose to report total emissions with or without LULUCF, as appropriate.

Provision of public financial support: summary information in 2011^a

Allocation channels	Year									
	European euro - EUR					USD ^b				
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d			
		Mitigation	Adaptation	Cross-cutting ^e	Other ^f		Mitigation	Adaptation	Cross-cutting ^e	Other ^f
Total contributions through multilateral channels:		2,000,000.00	4,028,789.00	1,373,400.00						
Multilateral climate change funds ^g			2,000,000.00	1,373,400.00						
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks			1,428,795.00							
Specialized United Nations bodies		2,000,000.00	599,994.00							
Total contributions through bilateral, regional and other channels		4,641,230.45	15,781,119.31							
Total		6,641,230.45	19,809,908.31	1,373,400.00						

Abbreviation: USD = United States dollars.

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

^b 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.

^c This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities which are cross-cutting across mitigation and adaptation.

^f Please specify.

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

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

Custom Footnotes

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

Documentation Box:

To be provided later (during the review week or after).

Provision of public financial support: summary information in 2012^a

Allocation channels	Year								
	European euro - EUR					USD ^b			
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d		
		Mitigation	Adaptation	Cross-cutting ^e	Other ^f		Mitigation	Adaptation	Cross-cutting ^e
Total contributions through multilateral channels:		1,100,000.00	2,848,562.00	2,541,644.00					
Multilateral climate change funds ^g				1,474,475.00					
Other multilateral climate change funds ^h									
Multilateral financial institutions, including regional development banks		1,100,000.00	2,141,295.00	67,169.00					
Specialized United Nations bodies			707,267.00	1,000,000.00					
Total contributions through bilateral, regional and other channels		11,050,570.32	20,184,476.43						
Total		12,150,570.32	23,033,038.43	2,541,644.00					

Abbreviation: USD = United States dollars.

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

^b 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.

^c This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities which are cross-cutting across mitigation and adaptation.

^f Please specify.

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

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

Custom Footnotes

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

Documentation Box:

To be provided later (during the review week or after).

Table 7(a)

LUX_BR1_v1.0

Provision of public financial support: contribution through multilateral channels in 2011^a

Donor funding	Total amount				Status ^b	Funding source ^f	Financial instrument ^f	Type of support ^{f, g}	Sector ^c
	Core/general ^d		Climate-specific ^e						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels			7,402,189.00						
Multilateral climate change funds ^g			3,373,400.00						
1. Global Environment Facility			1,373,400.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund			2,000,000.00	Committed	OOF	Grant	Adaptation	Cross-cutting	
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks			1,428,795.00						
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			1,428,795.00						
Mekong River Commission			428,795.00	Provided	ODA	Grant	Adaptation	Water and sanitation	
GFDRR			1,000,000.00	Provided	OOF	Grant	Adaptation	Cross-cutting	
Specialized United Nations bodies			2,599,994.00						
1. United Nations Development Programme			2,000,000.00						
UN-REDD			2,000,000.00	Provided	OOF	Grant	Mitigation	Cross-cutting	
2. United Nations Environment Programme									
3. Other			599,994.00						
UN - WFP			599,994.00	Provided	ODA	Grant	Adaptation	Cross-cutting	

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

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

^b 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.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^d This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^e Parties should explain in their biennial reports how they define funds as being climate-specific.

^f Please specify.

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

Custom Footnotes

Empty cells = NO.

Table 7(a)

LUX_BR1_v1.0

Provision of public financial support: contribution through multilateral channels in 2012^a

Donor funding	Total amount				Status ^b	Funding source ^f	Financial instrument ^f	Type of support ^{f, g}	Sector ^c
	Core/general ^d		Climate-specific ^e						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels			6,490,206.00						
Multilateral climate change funds ^g			1,474,475.00						
1. Global Environment Facility			1,474,475.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
				Provided					
Multilateral financial institutions, including regional development banks			3,308,464.00						
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			3,308,464.00						
Mekong River Commission			428,795.00	Provided	ODA	Grant	Adaptation	Water and sanitation	
GFDRR			1,000,000.00	Committed	OOF	Grant	Adaptation	Cross-cutting	
IUCN - SIDS			1,000,000.00	Provided	OOF	Grant	Mitigation	Energy	
ASTM / ARFA			67,169.00	Provided	OOF	Grant	Cross-cutting	Agriculture, Water and sanitation	
Climate Focus / 4climate			100,000.00	Committed	OOF	Grant	Mitigation	Cross-cutting	
ICRC			312,500.00	Provided	ODA	Grant	Adaptation	Cross-cutting	
GFDRR			400,000.00	Provided	ODA	Grant	Adaptation	Agriculture, Water and sanitation	
Specialized United Nations bodies			1,707,267.00						
1. United Nations Development Programme			1,000,000.00						
UNDP Yasuni			1,000,000.00	Provided	OOF	Grant	Cross-cutting	Forestry	
2. United Nations Environment Programme									
3. Other			707,267.00						
UN Women			157,267.00	Provided	ODA	Grant	Adaptation	Cross-cutting	
UNISDR			250,000.00	Provided	ODA	Grant	Adaptation	Cross-cutting	
UNHCR			300,000.00	Provided	ODA	Grant	Adaptation	Cross-cutting	

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

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

^b 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.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^d This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^e Parties should explain in their biennial reports how they define funds as being climate-specific.

^f Please specify.

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

Custom Footnotes

Empty cells = NO.

Table 7(b)

LUX_BR1_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g,h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	European euro - EUR	USD						
Total contributions through bilateral, regional and other channels	20,422,349.76							
LDCs / PMA	5,595,782.95		Provided	ODA	Grant	Adaptation	Cross-cutting	
LDCs / PMA	771,559.41		Provided	ODA	Grant	Mitigation	Cross-cutting	
Cape Verde / AOSIS	2,322,893.17		Provided	ODA	Grant	Adaptation	Energy	
Cape Verde / AOSIS	2,322,893.17		Provided	ODA	Grant	Mitigation	Energy	
Kosovo, Montenegro, Vietnam, Nicaragua, Namibia / Other bilateral supports	2,397,992.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Kosovo, Montenegro, Vietnam, Nicaragua, Namibia / Other bilateral supports	11,921.13		Provided	ODA	Grant	Mitigation	Cross-cutting	
Various countries / Other channels - NGOs	1,243,758.16		Provided	ODA	Grant	Adaptation	Cross-cutting	
Various countries / Other channels - NGOs	485,954.03		Provided	ODA	Grant	Adaptation	Cross-cutting	
Various countries / Other channels - NGOs	231,897.86		Provided	ODA	Grant	Mitigation	Cross-cutting	
Various countries / Other channels - NGOs	3,734,739.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Various countries / Other channels - NGOs	1,302,958.88		Provided	ODA	Grant	Mitigation	Cross-cutting	

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

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

^b Parties should report, to the extent possible, on details contained in this table.

^c 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.

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

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

Custom Footnotes

Table 7(b)

LUX_BR1_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

<i>Recipient country/ region/project/programme^b</i>	<i>Total amount</i>		<i>Status^c</i>	<i>Funding source^g</i>	<i>Financial instrument^g</i>	<i>Type of support^{g,h}</i>	<i>Sector^d</i>	<i>Additional information^e</i>
	<i>Climate-specific^f</i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels	31,235,046.75							
LDCs / PMA	6,758,250.32		Provided	ODA	Grant	Adaptation	Cross-cutting	
LDCs / PMA	2,575,535.65		Provided	ODA	Grant	Mitigation	Cross-cutting	
Cape Verde / AOSIS	4,632,416.48		Provided	ODA	Grant	Adaptation	Energy	
Cape Verde / AOSIS	4,682,620.43		Provided	ODA	Grant	Mitigation	Energy	
Kosovo, Montenegro, Vietnam, Nicaragua, Namibia / Other bilateral supports	3,440,994.66		Provided	ODA	Grant	Adaptation	Cross-cutting	
Kosovo, Montenegro, Vietnam, Nicaragua, Namibia / Other bilateral supports	1,581,704.33		Provided	ODA	Grant	Mitigation	Cross-cutting	
Cape Verde / AOSIS	681,000.00		Provided	OOF	Grant	Mitigation	Energy	
Various countries / Other channels - NGOs	1,272,935.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Various countries / Other channels - NGOs	1,073,993.52		Provided	ODA	Grant	Adaptation	Cross-cutting	
Various countries / Other channels - NGOs	118,553.91		Provided	ODA	Grant	Mitigation	Cross-cutting	
Various countries / Other channels - NGOs	3,005,886.45		Provided	ODA	Grant	Adaptation	Cross-cutting	
Various countries / Other channels - NGOs	1,411,156.00		Provided	ODA	Grant	Mitigation	Cross-cutting	

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

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

^b Parties should report, to the extent possible, on details contained in this table.

^c 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.

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

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

Custom Footnotes

Table 8

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Provision of technology development and transfer support^{a,b}

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

^a To be reported to the extent possible.

^b The tables should include measures and activities since the last national communication or biennial report.

^c Parties may report sectoral disaggregation, as appropriate.

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

Custom Footnotes

Not reported.

Provision of capacity-building support^a

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

^a To be reported to the extent possible.

^b 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.

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

Custom Footnotes

Not reported.