BR CTF submission workbook

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Table 1 LTU_BR2_v1.0

Emission trends: summary [(1)]
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GREENHOUSE GAS EMISSIONS	Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt CO_2 eq								
CO_2 emissions without net CO_2 from LULUCF	35,825.81	35,825.81	37,921.05	21,224.53	16,362.61	15,782.43	15,040.41	15,694.15	15,103.15
CO_2 emissions with net CO_2 from LULUCF	31,910.07	31,910.07	33,854.12	17,103.60	11,100.54	11,279.54	12,088.09	18,213.83	15,909.65
CH_4 emissions without CH_4 from LULUCF	6,953.94	6,953.94	6,716.65	5,498.63	4,970.86	4,536.21	4,433.46	4,435.29	4,419.35
CH_4 emissions with CH_4 from LULUCF	6,956.82	6,956.82	6,719.17	5,506.00	4,974.93	4,540.28	4,437.53	4,439.36	4,423.42
N_2O emissions without N_2O from LULUCF	5,031.89	5,031.89	5,161.92	3,417.17	3,103.18	2,832.55	2,874.22	3,329.70	3,457.65
N_2O emissions with N_2O from LULUCF	5,068.34	5,068.34	5,198.11	3,456.55	3,139.47	2,870.60	2,912.25	3,367.71	3,545.42
HFCs	NO, NA	NO, NA	NO, NA	NO, NA	0.11	0.30	3.29	4.35	6.41
PFCs	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
Unspecified mix of HFCs and PFCs	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
SF_6	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.05	0.05	0.08
NF3	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
Total (without LULUCF)	47,811.63	47,811.63	49,799.63	30,140.33	24,436.77	23,151.50	22,351.42	23,463.54	22,986.63
Total (with LULUCF)	43,935.23	43,935.23	45,771.39	26,066.15	19,215.05	18,690.73	19,441.20	26,025.30	23,884.98
Total (without LULUCF, with indirect)	47,811.63	47,811.63	49,799.63	30,140.33	24,436.77	23,151.50	22,351.42	23,463.54	22,986.63
Total (with LULUCF, with indirect)	43,935.23	43,935.23	45,771.39	26,066.15	19,215.05	18,690.73	19,441.20	26,025.30	23,884.98

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt CO_2 eq								
1. Energy	33,022.87	33,022.87	35,104.43	19,824.57	15,950.43	15,002.24	14,041.02	14,522.82	14,065.05
2. Industrial processes and product use	4,518.17	4,518.17	4,551.40	2,706.15	1,775.57	1,973.08	2,257.59	2,647.67	2,610.10
3. Agriculture	8,622.28	8,622.28	8,469.72	5,966.90	5,046.60	4,556.04	4,404.02	4,645.90	4,662.75
4. Land Use, Land-Use Change and Forestry[b]	-3,876.39	-3,876.39	-4,028.23	-4,074.18	-5,221.72	-4,460.77	-2,910.22	2,561.76	898.34
5. Waste	1,648.30	1,648.30	1,674.07	1,642.72	1,664.16	1,620.14	1,648.79	1,647.14	1,648.74
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	43,935.23	43,935.23	45,771.39	26,066.15	19,215.05	18,690.73	19,441.20	26,025.30	23,884.98

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 LTU_BR2_v1.0

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

GREENHOUSE GAS EMISSIONS	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
CO_2 emissions without net CO_2 from LULUCF	15,917.29	13,439.15	11,816.90	12,521.33	12,628.24	12,618.78	13,198.83	13,959.81	14,317.77	15,643.36
CO_2 emissions with net CO_2 from LULUCF	8,586.01	6,068.47	2,630.34	340.68	8,284.61	2,727.28	6,142.42	8,771.42	8,441.48	10,772.24
CH_4 emissions without CH_4 from LULUCF	4,232.66	4,063.93	3,823.66	3,935.41	3,979.22	4,031.10	3,975.97	3,971.22	4,002.88	3,911.21
CH_4 emissions with CH_4 from LULUCF	4,235.11	4,067.94	3,827.59	3,938.19	3,985.40	4,035.60	3,979.95	3,972.18	4,015.95	3,912.08
N_2O emissions without N_2O from LULUCF	3,715.65	3,724.33	3,914.00	4,136.40	4,380.81	4,655.61	4,855.80	5,152.64	5,041.12	5,803.12
N_2O emissions with N_2O from LULUCF	3,751.36	3,761.05	3,951.23	4,173.13	4,417.35	4,689.85	4,890.47	5,185.04	5,084.46	5,835.83
HFCs	9.62	12.51	16.00	21.24	28.34	39.64	60.15	81.88	110.94	146.91
PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SF_6	0.51	0.54	0.72	0.66	0.75	2.35	1.15	1.70	1.54	1.25
NF3	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (without LULUCF)	23,875.72	21,240.46	19,571.28	20,615.03	21,017.35	21,347.48	22,091.90	23,167.26	23,474.25	25,505.85
Total (with LULUCF)	16,582.61	13,910.52	10,425.88	8,473.89	16,716.45	11,494.72	15,074.14	18,012.23	17,654.37	20,668.32
Total (without LULUCF, with indirect)	23,875.72	21,240.46	19,571.28	20,615.03	21,017.35	21,347.48	22,091.90	23,167.26	23,474.25	25,505.85
Total (with LULUCF, with indirect)	16,582.61	13,910.52	10,425.88	8,473.89	16,716.45	11,494.72	15,074.14	18,012.23	17,654.37	20,668.32

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	14,771.45	12,412.24	10,855.37	11,489.17	11,567.35	11,571.58	12,191.03	12,887.70	13,042.45	13,270.24
2. Industrial processes and product use	3,016.94	2,951.76	3,104.89	3,351.79	3,524.65	3,607.02	3,797.33	4,139.81	4,380.98	6,164.42
3. Agriculture	4,453.27	4,268.82	4,006.46	4,128.41	4,291.67	4,551.76	4,517.30	4,592.18	4,544.83	4,590.88
4. Land Use, Land-Use Change and Forestry[b]	-7,293.11	-7,329.94	-9,145.41	-12,141.14	-4,300.90	-9,852.76	-7,017.77	-5,155.03	-5,819.89	-4,837.54
5. Waste	1,634.06	1,607.64	1,604.56	1,645.67	1,633.68	1,617.12	1,586.25	1,547.56	1,505.99	1,480.32
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	16,582.61	13,910.52	10,425.88	8,473.89	16,716.45	11,494.72	15,074.14	18,012.23	17,654.37	20,668.32

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

Table 1 LTU_BR2_v1.0

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

GREENHOUSE GAS EMISSIONS	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							(%)
CO_2 emissions without net CO_2 from LULUCF	15,009.58	12,774.18	13,620.58	13,918.22	13,998.27	13,032.27	-63.62
CO_2 emissions with net CO_2 from LULUCF	5,567.25	1,579.78	2,377.47	2,727.15	5,044.29	3,034.38	-90.49
CH_4 emissions without CH_4 from LULUCF	3,884.28	3,802.82	3,748.81	3,614.72	3,577.49	3,480.78	-49.95
CH_4 emissions with CH_4 from LULUCF	3,885.92	3,806.93	3,750.05	3,617.43	3,578.48	3,481.56	-49.95
N_2O emissions without N_2O from LULUCF	5,474.67	3,370.43	3,301.25	3,616.61	3,377.03	3,112.44	-38.15
N_2O emissions with N_2O from LULUCF	5,509.34	3,406.14	3,334.82	3,651.15	3,410.33	3,145.57	-37.94
HFCs	181.86	197.94	229.71	260.93	285.00	314.24	
PFCs	NO	NO	NO	NO	NO	NO	
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	
SF_6	3.47	3.05	5.99	7.74	3.99	6.32	
NF3	NO	NO	NO	NO	NO	0.06	
Total (without LULUCF)	24,553.87	20,148.42	20,906.34	21,418.22	21,241.78	19,946.10	-58.28
Total (with LULUCF)	15,147.84	8,993.84	9,698.05	10,264.41	12,322.09	9,982.12	-77.28
Total (without LULUCF, with indirect)	24,553.87	20,148.42	20,906.34	21,418.22	21,241.78	19,946.10	-58.28
Total (with LULUCF, with indirect)	15,147.84	8,993.84	9,698.05	10,264.41	12,322.09	9,982.12	-77.28

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							(%)
1. Energy	13,137.31	11,920.26	12,809.31	11,963.20	11,967.48	11,388.75	-65.51
2. Industrial processes and product use	5,505.31	2,314.21	2,246.22	3,707.07	3,529.86	2,938.11	-34.97
3. Agriculture	4,441.35	4,493.23	4,473.41	4,461.87	4,482.30	4,429.44	-48.63
4. Land Use, Land-Use Change and Forestry[b]	-9,406.02	-11,154.58	-11,208.30	-11,153.81	-8,919.70	-9,963.98	157.04
5. Waste	1,469.89	1,420.72	1,377.40	1,286.09	1,262.13	1,189.80	-27.82
6. Other	NO	NO	NO	NO	NO	NO	
Total (including LULUCF)	15,147.84	8,993.84	9,698.05	10,264.41	12,322.09	9,982.12	-77.28

Notes:

(1) Further detailed information could be found in the common reporting format tables of the Party's greenhouse gas inventory, namely "Emission trends (CO_2)", "Emission trends (CH_4)", "Emission trends (N_2O)" and "Emission trends (HFCs, PFCs and SF_6)", which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO_2 eq equals 1 Gg CO_2 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 CO_2, CH_4 and N_2O from LULUCF.

Custom Footnotes

Table 1 (a) LTU_BR2_v1.0

Emission trends (CO_2)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
1. Energy	32,243.00	32,243.00	34,341.79	19,262.13	15,385.48	14,451.35	13,487.57	13,968.25	13,504.69
A. Fuel combustion (sectoral approach)	32,242.35	32,242.35	34,340.13	19,259.04	15,381.90	14,446.81	13,481.36	13,960.73	13,494.41
1. Energy industries	13,519.49	13,519.49	14,585.05	8,580.69	7,256.48	7,212.11	6,356.17	7,035.94	6,478.51
2. Manufacturing industries and construction	5,738.84	5,738.84	5,855.69	2,787.43	1,783.07	1,807.82	1,509.91	1,391.48	1,385.34
3. Transport	7,384.87	7,384.87	7,550.48	5,093.08	3,987.92	3,236.08	3,811.78	3,867.94	4,202.70
4. Other sectors	5,598.78	5,598.78	6,348.48	2,797.33	2,353.86	2,190.08	1,802.64	1,664.28	1,426.63
5. Other	0.36	0.36	0.43	0.51	0.58	0.72	0.87	1.08	1.23
B. Fugitive emissions from fuels	0.66	0.66	1.66	3.10	3.58	4.54	6.21	7.52	10.27
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	0.66	0.66	1.66	3.10	3.58	4.54	6.21	7.52	10.27
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial processes	3,523.87	3,523.87	3,514.27	1,926.25	965.06	1,320.57	1,539.56	1,698.38	1,570.85
A. Mineral industry	2,141.98	2,141.98	2,022.52	1,083.55	500.73	483.26	425.65	405.42	441.54
B. Chemical industry	1,280.17	1,280.17	1,392.09	747.61	371.99	744.80	1,020.93	1,199.94	1,027.57
C. Metal industry	14.57	14.57	11.76	6.08	4.89	4.95	4.16	4.71	4.86
D. Non-energy products from fuels and solvent use	77.50	77.50	78.24	79.35	77.80	77.91	79.19	78.66	87.24
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	9.66	9.66	9.66	9.66	9.64	9.64	9.64	9.64	9.64
3. Agriculture	56.27	56.27	62.33	35.40	9.93	9.86	10.76	26.67	26.75
A. Enteric fermentation									
B. Manure management									
C. Rice cultivation									
D. Agricultural soils									
E. Prescribed burning of savannas									
F. Field burning of agricultural residues									
G. Liming	20.59	20.59	20.59	20.59	2.70	2.62	4.03	13.38	13.11
H. Urea application	35.68	35.68	41.74	14.81	7.24	7.24	6.73	13.29	13.65
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	NO	NO	NO
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land Use, Land-Use Change and Forestry	-3,915.73	-3,915.73	-4,066.93	-4,120.93	-5,262.07	-4,502.89	-2,952.32	2,519.68	806.51
A. Forest land	-7,777.68	-7,777.68	-7,715.96	-7,584.61	-8,173.15	-7,640.57	-5,467.34	369.81	-1,045.78
B. Cropland	5,384.42	5,384.42	5,194.90	5,032.32	4,867.27	4,697.36	4,525.38	4,371.23	4,274.81
C. Grassland	-1,944.15	-1,944.15	-2,223.95	-2,485.30	-2,729.64	-2,990.24	-3,232.93	-3,286.53	-3,424.15
D. Wetlands	517.33	517.33	550.28	578.01	335.31	730.84	440.28	457.42	483.19
E. Settlements	NO	NO	42.39	71.24	77.95	143.00	152.35	143.55	156.79
F. Other land	NO, NE	NO, NE	NO, NE	11.48	19.43	162.12	25.67	23.91	23.91
G. Harvested wood products	-95.65	-95.65	85.42	255.93	340.75	394.61	604.27	440.30	337.74
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	2.66	2.66	2.66	0.74	2.14	0.66	2.51	0.85	0.85
A. Solid waste disposal	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
B. Biological treatment of solid waste									
C. Incineration and open burning of waste	2.66	2.66	2.66	0.74	2.14	0.66	2.51	0.85	0.85
D. Waste water treatment and discharge									
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo items:									
International bunkers	701.08	701.08	978.45	1,119.25	618.19	596.68	565.70	512.98	281.87
Aviation	398.91	398.91	480.11	194.18	107.35	113.85	117.17	95.57	89.58
Navigation	302.17	302.17	498.35	925.07	510.84	482.83	448.53	417.41	192.29
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass	1,309.57	1,309.57	1,309.57	1,310.56	1,956.99	2,023.26	2,122.39	2,325.26	2,379.88
CO2 captured	NO	NO	NO	NO	NO	NO	NO	NO	NO
Long-term storage of C in waste disposal sites	2,160.50	2,160.50	2,242.62	2,321.92	2,395.63	2,466.94	2,543.73	2,617.71	2,690.77
Indirect N2O									
Indirect CO2 (3)	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
Total CO2 equivalent emissions without land use, land-use change and forestry	47,811.63	47,811.63	49,799.63	30,140.33	24,436.77	23,151.50	22,351.42	23,463.54	22,986.63
Total CO2 equivalent emissions with land use, land-use change and forestry	43,935.23	43,935.23	45,771.39	26,066.15	19,215.05	18,690.73	19,441.20	26,025.30	23,884.98
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	35,825.81	35,825.81	37,921.05	21,224.53	16,362.61	15,782.43	15,040.41	15,694.15	15,103.15
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	31,910.07	31,910.07	33,854.12	17,103.60	11,100.54	11,279.54	12,088.09	18,213.83	15,909.65

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

Table 1 (a) LTU_BR2_v1.0

Emission trends (CO_2)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	14,189.34	11,844.74	10,296.91	10,916.18	10,986.01	10,978.34	11,588.41	12,253.12	12,390.76	12,613.64
A. Fuel combustion (sectoral approach)	14,175.94	11,833.52	10,281.59	10,893.37	10,965.01	10,959.83	11,573.79	12,242.61	12,381.93	12,606.15
1. Energy industries	7,282.02	5,898.04	5,039.57	5,510.34	5,325.71	5,199.33	5,373.24	5,628.67	5,174.99	4,712.28
2. Manufacturing industries and construction	1,371.18	1,052.43	984.73	960.12	1,031.77	1,054.80	1,134.98	1,222.98	1,429.47	1,400.08
3. Transport	4,329.89	3,795.23	3,360.37	3,556.38	3,677.50	3,724.29	4,059.47	4,319.49	4,573.83	5,321.06
4. Other sectors	1,191.33	1,086.02	893.46	865.80	928.95	977.93	996.77	1,059.04	1,191.58	1,156.91
5. Other	1.52	1.81	3.47	0.72	1.08	3.47	9.32	12.43	12.06	15.82
B. Fugitive emissions from fuels	13.40	11.23	15.32	22.81	21.00	18.51	14.62	10.52	8.83	7.49
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	13.40	11.23	15.32	22.81	21.00	18.51	14.62	10.52	8.83	7.49
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial processes	1,699.22	1,568.77	1,494.76	1,580.88	1,612.48	1,609.06	1,580.90	1,664.72	1,897.61	2,990.88
A. Mineral industry	509.17	420.10	357.28	360.05	354.59	363.47	426.46	445.04	598.92	600.41
B. Chemical industry	1,091.01	1,051.30	1,041.12	1,123.09	1,157.39	1,146.93	1,054.75	1,120.85	1,201.95	2,293.32
C. Metal industry	5.09	5.71	6.25	6.54	6.77	6.42	6.55	7.01	6.72	6.28
D. Non-energy products from fuels and solvent use	84.31	82.01	81.51	82.79	84.56	83.22	83.36	81.51	79.35	78.48
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	9.64	9.64	8.59	8.41	9.16	9.02	9.79	10.31	10.67	12.39
3. Agriculture	27.78	25.23	24.09	22.73	28.38	27.69	27.61	38.37	26.12	38.17
A. Enteric fermentation										
B. Manure management										
C. Rice cultivation										
D. Agricultural soils										
E. Prescribed burning of savannas										
F. Field burning of agricultural residues										
G. Liming	13.75	9.41	7.60	5.56	9.03	8.17	7.92	6.93	7.26	6.73
H. Urea application	14.04	15.82	16.49	17.17	19.35	19.52	19.69	31.44	18.87	31.44
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land Use, Land-Use Change and Forestry	-7,331.28	-7,370.68	-9,186.56	-12,180.65	-4,343.63	-9,891.50	-7,056.41	-5,188.39	-5,876.30	-4,871.11
A. Forest land	-8,366.13	-8,174.67	-9,531.88	-11,892.83	-4,006.35	-8,269.81	-4,855.84	-3,024.61	-4,656.41	-3,343.88
B. Cropland	4,134.40	3,713.28	3,746.40	3,358.21	3,227.76	2,495.91	2,415.08	2,299.44	2,973.56	3,147.62
C. Grassland	-3,655.31	-3,829.66	-4,078.67	-4,342.70	-4,544.14	-4,727.55	-4,812.91	-4,888.19	-4,625.84	-4,351.56
D. Wetlands	342.98	633.60	460.35	466.77	840.18	604.49	611.01	875.23	775.49	514.54
E. Settlements	168.66	184.21	230.23	229.42	237.38	241.37	245.37	401.29	426.15	293.70
F. Other land	29.63	27.87	27.87	33.63	33.62	39.42	35.46	35.46	181.66	41.21
G. Harvested wood products	14.49	74.70	-40.85	-33.13	-132.07	-275.33	-694.58	-887.01	-950.91	-1,172.74
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	0.94	0.41	1.13	1.54	1.38	3.70	1.91	3.60	3.29	0.66
A. Solid waste disposal	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
B. Biological treatment of solid waste										
C. Incineration and open burning of waste	0.94	0.41	1.13	1.54	1.38	3.70	1.91	3.60	3.29	0.66
D. Waste water treatment and discharge										
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo items:										
International bunkers	238.42	303.73	362.83	408.43	432.37	441.65	464.44	595.69	595.98	578.83
Aviation	80.33	74.26	70.22	93.55	83.44	93.48	104.39	138.92	158.13	198.08
Navigation	158.09	229.47	292.62	314.88	348.93	348.17	360.05	456.77	437.85	380.75
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass	2,623.75	2,719.70	2,968.03	3,228.99	3,487.05	3,682.48	3,858.19	3,899.62	4,086.35	4,109.17
CO2 captured	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Long-term storage of C in waste disposal sites	2,760.23	2,832.04	2,914.20	2,988.26	3,062.06	3,123.10	3,185.77	3,252.57	3,315.74	3,380.93
Indirect N2O										
Indirect CO2 (3)	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
Total CO2 equivalent emissions without land use, land-use change and forestry	23,875.72	21,240.46	19,571.28	20,615.03	21,017.35	21,347.48	22,091.90	23,167.26	23,474.25	25,505.85
Total CO2 equivalent emissions with land use, land-use change and forestry	16,582.61	13,910.52	10,425.88	8,473.89	16,716.45	11,494.72	15,074.14	18,012.23	17,654.37	20,668.32
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	15,917.29	13,439.15	11,816.90	12,521.33	12,628.24	12,618.78	13,198.83	13,959.81	14,317.77	15,643.36
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	8,586.01	6,068.47	2,630.34	340.68	8,284.61	2,727.28	6,142.42	8,771.42	8,441.48	10,772.24

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

Table 1(a) LTU_BR2_v1.0

Emission trends (CO_2)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
1. Energy	12,462.99	11,260.41	12,147.63	11,308.97	11,307.65	10,722.26	-66.75
A. Fuel combustion (sectoral approach)	12,456.76	11,254.80	12,142.03	11,303.39	11,302.65	10,718.16	-66.76
1. Energy industries	4,811.31	4,785.62	5,290.87	4,421.71	4,375.11	3,830.24	-71.67
2. Manufacturing industries and construction	1,243.77	1,012.19	1,112.69	1,156.24	1,258.79	1,232.92	-78.52
3. Transport	5,297.35	4,369.41	4,495.59	4,468.71	4,493.76	4,494.28	-39.14
4. Other sectors	1,092.06	1,076.31	1,226.99	1,243.94	1,166.03	1,143.45	-79.58
5. Other	12.28	11.27	15.89	12.79	8.96	17.27	4,680.00
B. Fugitive emissions from fuels	6.23	5.62	5.60	5.58	5.00	4.10	523.17
1. Solid fuels	NO	NO	NO	NO	NO	NO	
2. Oil and natural gas and other emissions from energy production	6.23	5.62	5.60	5.58	5.00	4.10	523.17
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	
2. Industrial processes	2,515.94	1,470.05	1,449.48	2,581.91	2,662.95	2,276.81	-35.39
A. Mineral industry	521.30	304.78	327.12	383.09	455.78	516.62	-75.88
B. Chemical industry	1,900.98	1,077.71	1,033.75	2,111.72	2,118.00	1,673.02	30.69
C. Metal industry	4.44	4.09	4.20	3.81	3.13	2.40	-83.54
D. Non-energy products from fuels and solvent use	77.83	73.74	74.49	73.98	72.87	73.11	-5.67
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	
H. Other	11.39	9.73	9.92	9.30	13.16	11.67	20.77
3. Agriculture	30.00	43.02	22.02	22.90	26.65	32.43	-42.36
A. Enteric fermentation							
B. Manure management							
C. Rice cultivation							
D. Agricultural soils							
E. Prescribed burning of savannas							
F. Field burning of agricultural residues							
G. Liming	10.66	6.86	6.30	8.75	10.93	16.71	-18.84
H. Urea application	19.34	36.16	15.72	14.15	15.72	15.72	-55.93
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	
J. Other	NO	NO	NO	NO	NO	NO	
4. Land Use, Land-Use Change and Forestry	-9,442.33	-11,194.40	-11,243.11	-11,191.07	-8,953.98	-9,997.89	155.33
A. Forest land	-9,259.41	-11,799.85	-10,951.95	-11,097.58	-9,470.37	-11,202.40	44.03
B. Cropland	3,559.00	3,698.03	3,411.92	3,451.99	3,595.91	3,817.96	-29.09
C. Grassland	-4,012.25	-3,788.15	-3,754.68	-3,484.43	-3,117.41	-2,900.99	49.22
D. Wetlands	853.49	887.92	543.95	634.88	637.19	876.66	69.46
E. Settlements	311.00	326.51	321.23	291.97	277.38	317.79	
F. Other land	52.77	23.91	58.52	58.52	56.29	48.33	
G. Harvested wood products	-946.92	-542.78	-872.11	-1,046.42	-932.97	-955.24	898.66
H. Other	NO	NO	NO	NO	NO	NO	
5. Waste	0.66	0.70	1.46	4.45	1.02	0.77	-70.98
A. Solid waste disposal	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
B. Biological treatment of solid waste							
C. Incineration and open burning of waste	0.66	0.70	1.46	4.45	1.02	0.77	-70.98
D. Waste water treatment and discharge							
E. Other	NO	NO	NO	NO	NO	NO	
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	
Memo items:							
International bunkers	515.36	516.80	590.39	619.38	574.74	489.75	-30.14
Aviation	229.43	109.95	145.35	166.95	190.28	211.09	-47.08
Navigation	285.92	406.85	445.04	452.44	384.46	278.66	-7.78
Multilateral operations	NO	NO	NO	NO	NO	NO	
CO2 emissions from biomass	4,351.93	4,492.21	4,480.39	4,368.21	4,818.92	4,931.66	276.59
CO2 captured	NO	NO	NO	NO	NO	NO	
Long-term storage of C in waste disposal sites	3,455.05	3,522.17	3,588.64	3,650.62	3,698.98	3,733.61	72.81
Indirect N2O							
Indirect CO2 (3)	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	
Total CO2 equivalent emissions without land use, land-use change and forestry	24,553.87	20,148.42	20,906.34	21,418.22	21,241.78	19,946.10	-58.28
Total CO2 equivalent emissions with land use, land-use change and forestry	15,147.84	8,993.84	9,698.05	10,264.41	12,322.09	9,982.12	-77.28
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	15,009.58	12,774.18	13,620.58	13,918.22	13,998.27	13,032.27	-63.62
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	5,567.25	1,579.78	2,377.47	2,727.15	5,044.29	3,034.38	-90.49

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

Table 1(b) LTU_BR2_v1.0

Emission trends (CH_4)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
1. Energy	18.09	18.09	18.92	13.45	14.60	14.49	14.99	15.91	16.38
A. Fuel combustion (sectoral approach)	11.01	11.01	11.54	6.24	7.05	6.65	6.67	7.41	7.51
1. Energy industries	0.40	0.40	0.46	0.28	0.25	0.24	0.21	0.23	0.21
2. Manufacturing industries and construction	0.21	0.21	0.21	0.11	0.09	0.10	0.08	0.08	0.08
3. Transport	2.12	2.12	2.32	1.44	1.09	0.88	1.05	1.13	1.18
4. Other sectors	8.29	8.29	8.55	4.41	5.62	5.43	5.33	5.97	6.03
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	7.08	7.08	7.38	7.21	7.55	7.84	8.32	8.50	8.87
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	7.08	7.08	7.38	7.21	7.55	7.84	8.32	8.50	8.87
C. CO2 transport and storage									
2. Industrial processes	0.21	0.21	0.23	0.13	0.01	0.07	0.09	0.04	0.05
A. Mineral industry									
B. Chemical industry	0.21	0.21	0.23	0.13	0.01	0.07	0.09	0.04	0.05
C. Metal industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Non-energy products from fuels and solvent use	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Agriculture	196.87	196.87	185.51	143.44	120.49	104.93	99.28	98.43	97.21
A. Enteric fermentation	169.45	169.45	160.05	125.09	104.41	89.44	84.07	84.06	82.46
B. Manure management	27.41	27.41	25.46	18.35	16.08	15.49	15.20	14.37	14.75
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming									
H. Urea application									
I. Other carbon-containing fertilizers									
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land use, land-use change and forestry	0.12	0.12	0.10	0.29	0.16	0.16	0.16	0.16	0.16
A. Forest land	0.03	0.03	0.01	0.21	0.08	0.08	0.08	0.08	0.08
B. Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. Grassland	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
D. Wetlands	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
E. Settlements	NE	NE	NO	NO	NO	NO	NO	NO	NO
F. Other land	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Harvested wood products									
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	62.99	62.99	64.01	62.92	63.73	61.96	62.99	63.03	63.13
A. Solid waste disposal	41.15	41.15	42.15	43.04	43.82	44.04	44.11	44.44	44.76
B. Biological treatment of solid waste	0.16	0.16	0.16	0.06	0.05	0.15	0.21	0.18	0.16
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	21.67	21.67	21.70	19.82	19.86	17.77	18.66	18.40	18.21
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CH4 emissions without CH4 from LULUCF	278.16	278.16	268.67	219.95	198.83	181.45	177.34	177.41	176.77
Total CH4 emissions with CH4 from LULUCF	278.27	278.27	268.77	220.24	199.00	181.61	177.50	177.57	176.94
Memo items:									
International bunkers	0.03	0.03	0.05	0.08	0.05	0.04	0.04	0.04	0.02
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navigation	0.03	0.03	0.04	0.08	0.05	0.04	0.04	0.04	0.02
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass									
CO2 captured									
Long-term storage of C in waste disposal sites									
Indirect N2O									
Indirect CO2 (3)									

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

Table 1(b) LTU_BR2_v1.0

Emission trends (CH_4)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	17.23	17.40	17.52	18.09	18.14	18.45	18.59	19.61	20.11	19.96
A. Fuel combustion (sectoral approach)	7.65	7.81	7.68	7.89	7.95	8.15	8.22	8.48	8.83	8.66
1. Energy industries	0.26	0.19	0.18	0.23	0.26	0.27	0.32	0.32	0.34	0.34
2. Manufacturing industries and construction	0.09	0.07	0.07	0.09	0.14	0.17	0.18	0.18	0.19	0.19
3. Transport	1.17	1.06	0.86	0.85	0.86	0.90	0.94	0.99	0.97	1.00
4. Other sectors	6.13	6.49	6.58	6.72	6.69	6.80	6.78	6.99	7.33	7.13
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	9.58	9.59	9.83	10.20	10.19	10.30	10.37	11.13	11.28	11.30
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	9.58	9.59	9.83	10.20	10.19	10.30	10.37	11.13	11.28	11.30
C. CO2 transport and storage										
2. Industrial processes	0.02	NO	0.02	0.07	0.07	0.09	0.10	0.09	0.11	0.11
A. Mineral industry										
B. Chemical industry	0.02	NO	0.02	0.07	0.07	0.09	0.10	0.09	0.11	0.11
C. Metal industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Non-energy products from fuels and solvent use	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Agriculture	89.49	83.72	73.95	76.25	78.45	80.93	79.70	80.19	82.54	79.97
A. Enteric fermentation	75.70	71.41	62.73	64.04	65.81	68.11	67.08	67.26	69.37	68.14
B. Manure management	13.79	12.31	11.22	12.21	12.63	12.82	12.63	12.94	13.16	11.83
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming										
H. Urea application										
I. Other carbon-containing fertilizers										
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land use, land-use change and forestry	0.10	0.16	0.16	0.11	0.25	0.18	0.16	0.04	0.52	0.03
A. Forest land	0.01	0.07	0.07	0.02	0.16	0.09	0.05	0.01	0.26	0.01
B. Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
C. Grassland	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.02	0.26	0.02
D. Wetlands	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
E. Settlements	NO	NO	NO	NO	NO	NE	NE	NO	NE	NO
F. Other land	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Harvested wood products										
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	62.57	61.44	61.46	63.00	62.51	61.78	60.64	58.95	57.36	56.41
A. Solid waste disposal	44.93	45.04	45.44	46.92	47.38	47.82	46.97	46.09	45.39	44.68
B. Biological treatment of solid waste	0.14	0.26	0.08	0.19	0.23	0.20	0.17	0.27	0.22	0.27
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	17.50	16.15	15.94	15.90	14.90	13.75	13.50	12.58	11.75	11.45
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CH4 emissions without CH4 from LULUCF	169.31	162.56	152.95	157.42	159.17	161.24	159.04	158.85	160.12	156.45
Total CH4 emissions with CH4 from LULUCF	169.40	162.72	153.10	157.53	159.42	161.42	159.20	158.89	160.64	156.48
Memo items:										
International bunkers	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navigation	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass										
CO2 captured										
Long-term storage of C in waste disposal sites										
Indirect N2O										
Indirect CO2 (3)										

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

Table 1(b) LTU_BR2_v1.0

Emission trends (CH_4)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
1. Energy	20.55	20.88	21.00	20.81	20.96	21.22	17.30
A. Fuel combustion (sectoral approach)	8.89	8.80	8.88	8.69	8.80	8.70	-21.03
1. Energy industries	0.38	0.43	0.43	0.39	0.49	0.56	40.39
2. Manufacturing industries and construction	0.17	0.13	0.15	0.16	0.18	0.18	-10.88
3. Transport	0.94	0.77	0.72	0.66	0.65	0.64	-69.71
4. Other sectors	7.39	7.47	7.57	7.47	7.49	7.31	-11.81
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	4,680.00
B. Fugitive emissions from fuels	11.66	12.08	12.12	12.12	12.15	12.52	76.92
1. Solid fuels	NO	NO	NO	NO	NO	NO	
2. Oil and natural gas and other emissions from energy production	11.66	12.08	12.12	12.12	12.15	12.52	76.92
C. CO2 transport and storage							
2. Industrial processes	0.13	NO	NO	NO	NO	NO	
A. Mineral industry							
B. Chemical industry	0.13	NO	NO	NO	NO	NO	
C. Metal industry	NO	NO	NO	NO	NO	NO	
D. Non-energy products from fuels and solvent use	NO	NO	NO	NO	NO	NO	
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	
H. Other	NO	NO	NO	NO	NO	NO	
3. Agriculture	78.62	77.01	76.33	74.86	73.97	72.71	-63.07
A. Enteric fermentation	66.93	65.42	64.56	63.83	62.75	61.75	-63.56
B. Manure management	11.69	11.58	11.76	11.04	11.22	10.97	-60.00
C. Rice cultivation	NO	NO	NO	NO	NO	NO	
D. Agricultural soils	NA	NA	NA	NA	NA	NA	
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	
G. Liming							
H. Urea application							
I. Other carbon-containing fertilizers							
J. Other	NO	NO	NO	NO	NO	NO	
4. Land use, land-use change and forestry	0.07	0.16	0.05	0.11	0.04	0.03	-72.90
A. Forest land	0.02	0.07	0.00	0.06	0.00	0.00	-92.59
B. Cropland	0.00	0.00	0.00	0.00	0.00	0.00	-95.00
C. Grassland	0.04	0.09	0.04	0.04	0.03	0.03	-65.78
D. Wetlands	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	
E. Settlements	NO	NO	NO	NO	NO	NO	
F. Other land	NE	NE	NE	NE	NE	NE	
G. Harvested wood products							
H. Other	NO	NO	NO	NO	NO	NO	
5. Waste	56.08	54.22	52.63	48.92	48.17	45.30	-28.09
A. Solid waste disposal	43.87	43.40	42.59	39.03	38.25	36.00	-12.51
B. Biological treatment of solid waste	0.31	0.30	0.26	0.34	0.38	0.49	201.63
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	-71.64
D. Waste water treatment and discharge	11.91	10.52	9.78	9.55	9.54	8.81	-59.37
E. Other	NO	NO	NO	NO	NO	NO	
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	
Total CH4 emissions without CH4 from LULUCF	155.37	152.11	149.95	144.59	143.10	139.23	-49.95
Total CH4 emissions with CH4 from LULUCF	155.44	152.28	150.00	144.70	143.14	139.26	-49.95
Memo items:							
International bunkers	0.03	0.04	0.04	0.04	0.04	0.03	-10.58
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	-47.08
Navigation	0.03	0.04	0.04	0.04	0.04	0.03	-6.88
Multilateral operations	NO	NO	NO	NO	NO	NO	
CO2 emissions from biomass							
CO2 captured							
Long-term storage of C in waste disposal sites							
Indirect N2O							
Indirect CO2 (3)							

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

[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(c) LTU_BR2_v1.0

Emission trends (N_2O)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
1. Energy	1.10	1.10	0.97	0.76	0.67	0.63	0.60	0.53	0.51
A. Fuel combustion (sectoral approach)	1.10	1.10	0.97	0.76	0.67	0.63	0.60	0.53	0.51
1. Energy industries	0.07	0.07	0.08	0.05	0.05	0.04	0.04	0.04	0.04
2. Manufacturing industries and construction	0.04	0.04	0.04	0.02	0.02	0.02	0.01	0.01	0.01
3. Transport	0.89	0.89	0.75	0.63	0.52	0.49	0.46	0.38	0.37
4. Other sectors	0.10	0.10	0.10	0.07	0.09	0.09	0.09	0.09	0.09
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. CO2 transport and storage									
2. Industrial processes	3.32	3.32	3.46	2.61	2.72	2.18	2.39	3.17	3.46
A. Mineral industry									
B. Chemical industry	3.00	3.00	3.14	2.30	2.41	1.88	2.10	2.88	3.18
C. Metal industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Non-energy products from fuels and solvent use	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	0.32	0.32	0.32	0.31	0.30	0.30	0.29	0.29	0.28
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Agriculture	12.23	12.23	12.65	7.87	6.79	6.45	6.41	7.24	7.40
A. Enteric fermentation									
B. Manure management	1.83	1.83	1.68	1.20	1.00	0.89	0.85	0.81	0.81
C. Rice cultivation									
D. Agricultural soils	10.40	10.40	10.97	6.67	5.79	5.56	5.57	6.43	6.59
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming									
H. Urea application									
I. Other carbon containing fertlizers									
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land use, land-use change and forestry	0.12	0.12	0.12	0.13	0.12	0.13	0.13	0.13	0.29
A. Forest land	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08
B. Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. Grassland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D. Wetlands	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.21
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
G. Harvested wood products									
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	0.24	0.24	0.24	0.23	0.23	0.24	0.24	0.24	0.23
A. Solid waste disposal									
B. Biological treatment of solid waste	0.01	0.01	0.01	0.00	0.00	0.01	0.02	0.01	0.01
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total direct N2O emissions without N2O from LULUCF	16.89	16.89	17.32	11.47	10.41	9.51	9.65	11.17	11.60
Total direct N2O emissions with N2O from LULUCF	17.01	17.01	17.44	11.60	10.54	9.63	9.77	11.30	11.90
Memo items:									
International bunkers	0.02	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.01
Aviation	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Navigation	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.00
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass									
CO2 captured									
Long-term storage of C in waste disposal sites									
Indirect N2O	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
Indirect CO2 (3)									

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

Table 1(c) LTU_BR2_v1.0

Emission trends (N_2O)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	0.51	0.44	0.40	0.41	0.43	0.44	0.46	0.48	0.50	0.53
A. Fuel combustion (sectoral approach)	0.51	0.44	0.40	0.40	0.43	0.44	0.46	0.48	0.50	0.53
1. Energy industries	0.05	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
2. Manufacturing industries and construction	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03
3. Transport	0.35	0.30	0.27	0.25	0.27	0.28	0.29	0.31	0.32	0.35
4. Other sectors	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. CO2 transport and storage										
2. Industrial processes	4.39	4.60	5.35	5.86	6.31	6.56	7.22	8.02	7.95	10.14
A. Mineral industry										
B. Chemical industry	4.11	4.33	5.08	5.61	6.06	6.31	6.99	7.79	7.81	10.04
C. Metal industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Non-energy products from fuels and solvent use	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	0.27	0.27	0.26	0.26	0.25	0.24	0.24	0.23	0.13	0.10
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Agriculture	7.34	7.22	7.16	7.38	7.73	8.39	8.38	8.55	8.24	8.57
A. Enteric fermentation										
B. Manure management	0.74	0.67	0.59	0.62	0.64	0.66	0.65	0.66	0.67	0.63
C. Rice cultivation										
D. Agricultural soils	6.61	6.55	6.57	6.76	7.09	7.74	7.73	7.90	7.57	7.94
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Liming										
H. Urea application										
I. Other carbon containing fertlizers										
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land use, land-use change and forestry	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.11	0.15	0.11
A. Forest land	0.07	0.08	0.08	0.07	0.08	0.08	0.08	0.07	0.09	0.07
B. Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. Grassland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.02	0.00
D. Wetlands	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
E. Settlements	NO	NO	NO	NO	NO	NO, NE	NO	NO, NE	NO	NO
F. Other land	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
G. Harvested wood products										
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	0.23	0.24	0.22	0.23	0.23	0.23	0.23	0.24	0.23	0.23
A. Solid waste disposal										
B. Biological treatment of solid waste	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total direct N2O emissions without N2O from LULUCF	12.47	12.50	13.13	13.88	14.70	15.62	16.29	17.29	16.92	19.47
Total direct N2O emissions with N2O from LULUCF	12.59	12.62	13.26	14.00	14.82	15.74	16.41	17.40	17.06	19.58
Memo items:										
International bunkers	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Navigation	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass										
CO2 captured										
Long-term storage of C in waste disposal sites										
Indirect N2O	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
Indirect CO2 (3)										

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

Table 1(c) LTU_BR2_v1.0

Emission trends (N_2O)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
1. Energy	0.54	0.46	0.46	0.45	0.46	0.46	-58.50
A. Fuel combustion (sectoral approach)	0.54	0.46	0.46	0.45	0.46	0.46	-58.50
1. Energy industries	0.05	0.06	0.06	0.05	0.07	0.08	8.87
2. Manufacturing industries and construction	0.02	0.02	0.02	0.02	0.02	0.03	-29.31
3. Transport	0.35	0.27	0.27	0.26	0.25	0.25	-72.32
4. Other sectors	0.11	0.11	0.11	0.11	0.11	0.11	8.08
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	4,680.00
B. Fugitive emissions from fuels	0.00	0.00	0.00	0.00	0.00	0.00	567.61
1. Solid fuels	NO	NO	NO	NO	NO	NO	
2. Oil and natural gas and other emissions from energy production	0.00	0.00	0.00	0.00	0.00	0.00	567.61
C. CO2 transport and storage							
2. Industrial processes	9.40	2.16	1.88	2.87	1.94	1.14	-65.55
A. Mineral industry							
B. Chemical industry	9.38	2.12	1.86	2.85	1.92	1.13	-62.38
C. Metal industry	NO	NO	NO	NO	NO	NO	
D. Non-energy products from fuels and solvent use	NO	NO	NO	NO	NO	NO	
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	0.02	0.04	0.02	0.02	0.02	0.02	-95.05
H. Other	NO	NO	NO	NO	NO	NO	
3. Agriculture	8.21	8.47	8.53	8.62	8.75	8.66	-29.23
A. Enteric fermentation							
B. Manure management	0.61	0.60	0.60	0.57	0.57	0.56	-69.34
C. Rice cultivation							
D. Agricultural soils	7.60	7.87	7.94	8.05	8.18	8.10	-22.19
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	NO	NO	NO	NO	NO	NO	
G. Liming							
H. Urea application							
I. Other carbon containing fertlizers							
J. Other	NO	NO	NO	NO	NO	NO	
4. Land use, land-use change and forestry	0.12	0.12	0.11	0.12	0.11	0.11	-9.13
A. Forest land	0.08	0.08	0.08	0.08	0.08	0.08	3.48
B. Cropland	0.00	0.00	0.00	0.00	0.00	0.00	-27.59
C. Grassland	0.00	0.01	0.00	0.00	0.00	0.00	-66.40
D. Wetlands	0.04	0.03	0.03	0.03	0.03	0.03	-20.00
E. Settlements	NO	NO	NO	NO	NO	NO	
F. Other land	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	
G. Harvested wood products							
H. Other	NO	NO	NO	NO	NO	NO	
5. Waste	0.23	0.22	0.20	0.20	0.19	0.19	-20.21
A. Solid waste disposal							
B. Biological treatment of solid waste	0.02	0.02	0.02	0.03	0.03	0.04	201.63
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	-71.64
D. Waste water treatment and discharge	0.20	0.19	0.18	0.17	0.16	0.15	-32.06
E. Other	NO	NO	NO	NO	NO	NO	
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	
Total direct N2O emissions without N2O from LULUCF	18.37	11.31	11.08	12.14	11.33	10.44	-38.15
Total direct N2O emissions with N2O from LULUCF	18.49	11.43	11.19	12.25	11.44	10.56	-37.94
Memo items:							
International bunkers	0.01	0.01	0.02	0.02	0.02	0.01	-30.46
Aviation	0.01	0.00	0.00	0.00	0.01	0.01	-47.08
Navigation	0.01	0.01	0.01	0.01	0.01	0.01	-6.88
Multilateral operations	NO	NO	NO	NO	NO	NO	
CO2 emissions from biomass							
CO2 captured							
Long-term storage of C in waste disposal sites							
Indirect N2O	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	
Indirect CO2 (3)							

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

[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) LTU_BR2_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
Emissions of HFCs and PFCs - (kt CO2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	0.11	0.30	3.29	4.35	6.41
Emissions of HFCs - (kt CO2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	0.11	0.30	3.29	4.35	6.41
HFC-23	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-32	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00
HFC-41	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-43-10mee	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-125	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.00
HFC-134	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-134a	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.00
HFC-143	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-143a	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.00
HFC-152	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-152a	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-161	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-227ea	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	0.00	0.00
HFC-236cb	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-236ea	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-236fa	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-245ca	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-245fa	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
HFC-365mfc	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
Emissions of PFCs - (kt CO2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
CF_4	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
C_2F_6	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
C_3F_8	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
C_4F_{10}	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
c-C_4F_8	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
C_5F_{12}	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
C_6F_{14}	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
C10F18	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
c-C3F6	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
Unspecified mix of PFCs(4) - (kt CO_2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
Emissions of SF6 - (kt CO2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.05	0.05	0.08
SF_6	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00
Emissions of NF3 - (kt CO2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO
NF3	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO	NO	NO

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

Table 1(d) LTU_BR2_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
Emissions of HFCs and PFCs - (kt CO2 equivalent)	9.62	12.51	16.00	21.24	28.34	39.64	60.15	81.88	110.94	146.91
Emissions of HFCs - (kt CO2 equivalent)	9.62	12.51	16.00	21.24	28.34	39.64	60.15	81.88	110.94	146.91
HFC-23	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-41	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-43-10mee	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134a	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.05
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
HFC-152	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-152a	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-161	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-236cb	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236ea	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236fa	NO	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.00
HFC-245ca	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245fa	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.00
HFC-365mfc	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.01
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Emissions of PFCs - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CF_4	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C_2F_6	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C_3F_8	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C_4F_{10}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C_4F_8	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C_5F_{12}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C_6F_{14}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C10F18	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C3F6	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of PFCs(4) - (kt CO_2 equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Emissions of SF6 - (kt CO2 equivalent)	0.51	0.54	0.72	0.66	0.75	2.35	1.15	1.70	1.54	1.25
SF_6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions of NF3 - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NF3	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Table 1(d) LTU_BR2_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
Emissions of HFCs and PFCs - (kt CO2 equivalent)	181.86	197.94	229.71	260.93	285.00	314.24	
Emissions of HFCs - (kt CO2 equivalent)	181.86	197.94	229.71	260.93	285.00	314.24	
HFC-23	NO	NO	NO	NO	NO	NO	
HFC-32	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-41	NO	NO	NO	NO	NO	NO	
HFC-43-10mee	NO	NO	NO	NO	NO	NO	
HFC-125	0.01	0.01	0.01	0.02	0.02	0.02	
HFC-134	NO	NO	NO	NO	NO	NO	
HFC-134a	0.06	0.06	0.07	0.08	0.09	0.10	
HFC-143	NO	NO	NO	NO	NO	NO	
HFC-143a	0.01	0.01	0.01	0.02	0.02	0.02	
HFC-152	NO	NO	NO	NO	NO	NO	
HFC-152a	NO	NO	NO	NO	NO	NO	
HFC-161	NO	NO	NO	NO	NO	NO	
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-236cb	NO	NO	NO	NO	NO	NO	
HFC-236ea	NO	NO	NO	NO	NO	NO	
HFC-236fa	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-245ca	NO	NO	NO	NO	NO	NO	
HFC-245fa	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-365mfc	0.01	0.01	0.01	0.01	0.01	0.01	
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	NO	NO	NO	NO	NO	NO	
Emissions of PFCs - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	
CF_4	NO	NO	NO	NO	NO	NO	
C_2F_6	NO	NO	NO	NO	NO	NO	
C_3F_8	NO	NO	NO	NO	NO	NO	
C_4F_{10}	NO	NO	NO	NO	NO	NO	
c-C_4F_8	NO	NO	NO	NO	NO	NO	
C_5F_{12}	NO	NO	NO	NO	NO	NO	
C_6F_{14}	NO	NO	NO	NO	NO	NO	
C10F18	NO	NO	NO	NO	NO	NO	
c-C3F6	NO	NO	NO	NO	NO	NO	
Unspecified mix of PFCs(4) - (kt CO_2 equivalent)	NO	NO	NO	NO	NO	NO	
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	
Emissions of SF6 - (kt CO2 equivalent)	3.47	3.05	5.99	7.74	3.99	6.32	
SF_6	0.00	0.00	0.00	0.00	0.00	0.00	
Emissions of NF3 - (kt CO2 equivalent)	NO	NO	NO	NO	NO	0.06	
NF3	NO	NO	NO	NO	NO	0.00	

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.

[c]Enter actual emissions estimates. If only potential emissions estimates are available, these should be reported in this table and an indication for this be provided in the documentation box. Only in these rows are the emissions expressed as CO2 equivalent emissions.

[d]In accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories", HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is kt of CO2 equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

Custom Footnotes

Documentation Box:

Table 2(a) LTU_BR2_v1.0

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

Party	*Lithuania*	
Base year /base period	1990	
Emission reduction target	% of base year/base period 20.00	% of 1990 [b]
Period for reaching target	BY-2020	

[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.

[b] Optional.

Table 2(b) LTU_BR2_v1.0

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

Gases covered		*Base year for each gas (year):*
CO_2		1990
CH_4		1990
N_2O		1990
HFCs		1995
PFCs		1995
SF_6		1995
NF_3		1995
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 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.

[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.

Table 2(c) LTU_BR2_v1.0

Description of quantified economy-wide emission reduction target: global warming potential values (GWP)[a]

Gases	*GWP values* [b]
CO_2	4th AR
CH_4	4th AR
N_2O	4th AR
HFCs	4th AR
PFCs	4th AR
SF_6	4th AR
NF_3	4th 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 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.

[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.

Table 2(d) LTU_BR2_v1.0

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.

Table 2(e)I LTU_BR2_v1.0

Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention[a]

Market-based mechanisms under the Convention	*Possible scale of contributions (estimated kt CO_2 eq)*
CERs	
ERUs	
AAUs[i]	
Carry-over units[j]	
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 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.

[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.

Table 2(e)II LTU_BR2_v1.0

Description of quantified economy-wide emission reduction target: other market-based mechanisms[a]

Other market-based mechanisms	*Possible scale of contributions*
(Specify)	*(estimated kt CO_2 eq)*

[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]

[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.

[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

(Decision No 406/2009/EC). These legally binding trajectories not only result in a 20% GHG reduction in 2020 compared to 1990 but also define the EU's annual target pathway to reduce EU GHG emissions from 2013 to 2020. The Effort Sharing Decision sets annual national emission targets for all Member States for the period 2013-2020 for those sectors not covered by the EU emissions trading system (ETS), expressed as percentage changes from 2005 levels. In March 2013, the Commission formally adopted the national annual limits throughout the period for each Member State. By 2020, the national targets will collectively deliver a reduction of around 10% in total EU emissions from the sectors covered compared with 2005 levels. The emission reduction to be achieved

Table 3 LTU_BR2_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)*	
Promotion the use of renewable energy sources (except transport sector)*	Energy	CO_2	Increase in renewable energy use	Other (Regulatory)	Implemented	Lithuania has set its national target for increasing the share of RES in its total final energy consumption to 23 percent by 2020.	2007	Ministries of Energy, Environment, Agriculture, and Economy.		747
Increasing the energy efficiency*	Energy, Transport, Industry/Industrial processes	CO_2	Efficiency improvement in the energy and transformation sector Efficiency improvements of buildings Efficiency improvement in industrial end-use sectors Efficiency improvements of vehicles	Voluntary Agreement/Regulatory/Economic/Information	Implemented	The National Energy Independence Strategy determines the target to consume 1.5 % less energy annually (to consume 17 % less energy in 2020 compared to 2009 level). This target also involves modernization of buildings. Implementation of Energy Efficiency Action plan provides for final energy savings to amount to 740 ktoe of final energy in 2020 and a general indicative national energy saving target of 9% by 2016 or 3 797 GWh (327 ktoe). In order to fully transpose provisions of Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency in to national law, in 2014 the draft Law on Energy Efficiency was prepared. In the draft law is determined that the system of energy efficiency commitment must to ensure that by 31 December 2020 saved energy in the final consumption will reach 287 ktoe. Energy Efficiency Obligation Scheme is being created for this purpose, also energy will be saved by renovating multi-apartment and public buildings. By the end of 2012, a total of 1 603 GWh (138 ktoe) was saved, i.e. during the period of five years (2008–2012), 42 % of the required amount was saved. About 27 % of all savings was achieved through the signed voluntarily agreements between the Ministry of Energy and energy companies.	2011	Ministries of Energy, Environment, Economy, Interior Affairs, Finance, and Transport and Communication. Local authorities (municipalities).		1496
Promotion of renewable energy sources use in transport sector*	Transport	CO_2	Low carbon fuels/electric cars	Regulatory/Information/Economic	Implemented	The Law of the Republic of Lithuania on Renewable Energy Resources was adopted on 12 May 2011 by the Parliament of the Republic of Lithuania (updated in 2014) to ensure the balanced development of the RES in Lithuania. This Law establishes the tasks for separate energy sectors; for transport sector the target is to increase the share of RES (biofuels and electricity) by 10 % in all modes of transport in comparison with the final consumption of the energy in the transport sector. The requirements for blending of biofuel into the mineral fuels are: in petrol fuel the content of biofuels has to be from 5 to 10 % and in diesel fuels not less than 7 %. The RES use in the transport sector is promoted through the reimbursement, by the National Paying Agency of the Ministry of Agriculture, of raw materials for biofuel production, an excise tax relief and an exemption from environmental pollution tax. The National Programme on the Development of Transport and Communications for 2014–2022 set the goal to promote the use of alternative fuels and technologies and set the target to reach that from sold new cars 6% will be electric vehicles in 2022.	2007	Ministries of Energy, Transport and Communication, Environment, Interior and Agriculture.		423
Implementation of Nitrates directive*	Agriculture	CH_4, N_2O, CO_2	Other activities improving cropland management; Improved animal waste management systems; Activities improving grazing land or grassland management.	Other (Regulatory)	Implemented	Implementation of the Council Directive of 12 December 1991 concerning the protection of waters against pollution caused by nitrates from agricultural sources (91/676/EEC) with the latest amendment by the Regulation (EC) No 1137/2008 of the European Parliament and the Council of 22 October 2008 (further – Nitrates Directive) is primarily directed towards the minimization of the water pollution with nitrates. Activities are supported for the establishment of modern manure silos and other measures which enable the control against manure penetration into the surroundings. Sole replacement of manure handling systems from thick or dry silos to liquid silos may lead to a reduction in emission of nitrogen compounds to atmosphere by up to 20 times.	2004	Ministries of Agriculture, Energy and Economy.		100
Increasing the National forest area*	Forestry/LULUCF	CO_2	Enhancing production in existing forests; Afforestation and reforestation.	Economic/Education/Regulatory/Research/Information	Implemented	The National Forest Area Development Program 2012-2020 approved by Resolution No 569 of the Government of the Republic of Lithuania of 23 May 2012 is sought to increase forest coverage of the country up to 34.2 % by 2020. To increase forest area by 3% until 2026	2003	Ministries of Environment and Agriculture.		1680
Decreasing the amount of biodegradable waste in landfills*	Waste management/waste	CH_4	Reduced landfilling.	Other (Planning)	Implemented	The National Strategic Waste Management Plan 2007–2013 was repealed in April 2014 with the National Waste Management Plan for 2014-2020 by Resolution No 519 of the Government Republic of Lithuania. This planned to lower amount of landfilled biodegradable municipal waste ensuring that biodegradable municipal waste would make not more than 35 % until 2020, if compared with the year 2000 quantities of the biodegradable municipal waste. Regarding this PaM 49 of green waste composting sites were installed and it is planned to install 4 more in Lithuania. In 2012 in these 49 waste composting sites 40 000 tonnes of green waste was composted. The National Waste Management Plan for 2014-2020 sets the goal by the 2030 that approximately 100 000 t of green waste will be composed.	2007	Ministry of Environment and Regional Waste management Centres.		538
Promoting the extraction and use of biogas from landfills*	Waste management/waste	CH_4	CH4 collection and use from landfills	Other (Regulatory)	Implemented	According to the data of the Regional waste management centres and the National Waste Management Plan for 2014-2020 it is planned to extract approximately 13 mln. m3 of biogas from all landfills. It was also planned to build 4 biological treatment plants with biogas production in Alytus, Panevėžys, Telšiai and Utena regions till the end of 2015.	2014	Ministry of Environment and Regional Waste management centres.		1940
Production proces change in cement company*	Industry/Industrial processes	CO_2	Installation of abatement technologies	Economic	Implemented	In 2013 the only cement manufacturing company SC "Akmenės Cementas" ended modernization of technology process, when wet cement production methods was changed in to dry. This modernization allows saving the fuel consumption by half for a production unit and by quarter reducing GHG emissions. To compare, to produce 1 t of clinker using the wet method 1.2 t of CO2 is emitted and 0.85 t CO2 is emitted by dry method. This allows SC "Akmenės Cementas" to reduce GHG levels by 500 GgCO2 eq/year.	2013 (2006 initiated)	Cement producing company		500
Technological improvement in chemical industry*	Industry/Industrial processes	N_2O	Installation of abatement technologies	Economic	Implemented	To reduce the pollution with N2O gas emissions in the nitrogen fertilizers producing company 2 JI projects of N2O emissions reduction in chemical industry were conducted. The estimated GHG reduction amounted to 7 643 017 tCO2eq. It was estimated that without the implementation of these projects in 2013 the ETS sector's verified emission could be 1.2 m t CO2eq higher (8.7 m instead current 7.5 m t CO2eq).	2009	Company producing fertilizers		538

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

Table 4 LTU_BR2_v1.0

Reporting on progress[a, b]

	Total emissions excluding LULUCF	*Contribution from LULUCF*[d]	*Quantity of units from market based mechanisms under the Convention*		*Quantity of units from other market based mechanisms*	
Year[c]	*(kt CO_2 eq)*	*(kt CO_2 eq)*	*(number of units)*	*(kt CO_2 eq)*	*(number of units)*	*(kt CO_2 eq)*
(1990)	47,811.63	NA				
2010	20,906.34	NA				
2011	21,418.22	NA				
2012	21,241.78	NA				
2013	19,946.10	NA				
2014		NA				

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 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.

[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

Numbers for LULUCF are not reported because this sector is not included under the Convention target

Table 4(a)I LTU_BR2_v1.0

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

	Net GHG emissions/removals from LULUCF categories [c]	*Base year/period or reference level value* [d]	*Contribution from LULUCF for reported year*	*Cumulative contribution from LULUCF* [e]	*Accounting approach* [f]
	(kt CO_2 eq)				
Total LULUCF	NA	NA	NA	NA	
A. Forest land	NA	NA	NA	NA	
1. Forest land remaining forest land	NA	NA	NA	NA	
2. Land converted to forest land	NA	NA	NA	NA	
3. Other [g]					
B. Cropland	NA	NA	NA	NA	
1. Cropland remaining cropland	NA	NA	NA	NA	
2. Land converted to cropland	NA	NA	NA	NA	
3. Other [g]					
C. Grassland	NA	NA	NA	NA	
1. Grassland remaining grassland	NA	NA	NA	NA	
2. Land converted to grassland	NA	NA	NA	NA	
3. Other [g]					
D. Wetlands	NA	NA	NA	NA	
1. Wetland remaining wetland	NA	NA	NA	NA	
2. Land converted to wetland	NA	NA	NA	NA	
3. Other [g]					
E. Settlements	NA	NA	NA	NA	
1. Settlements remaining settlements	NA	NA	NA	NA	
2. Land converted to settlements	NA	NA	NA	NA	
3. Other [g]					
F. Other land	NA	NA	NA	NA	
1. Other land remaining other land	NA	NA	NA	NA	
2. Land converted to other land	NA	NA	NA	NA	
3. Other [g]					
Harvested wood products	NA	NA	NA	NA	

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 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.

[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

Table 4(a)I LTU_BR2_v1.0

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

	Net GHG emissions/removals from LULUCF categories [c]	*Base year/period or reference level value* [d]	*Contribution from LULUCF for reported year*	*Cumulative contribution from LULUCF* [e]	*Accounting approach* [f]
	(kt CO_2 eq)				
Total LULUCF	NA	NA	NA	NA	
A. Forest land	NA	NA	NA	NA	
1. Forest land remaining forest land	NA	NA	NA	NA	
2. Land converted to forest land	NA	NA	NA	NA	
3. Other [g]					
B. Cropland	NA	NA	NA	NA	
1. Cropland remaining cropland	NA	NA	NA	NA	
2. Land converted to cropland	NA	NA	NA	NA	
3. Other [g]					
C. Grassland	NA	NA	NA	NA	
1. Grassland remaining grassland	NA	NA	NA	NA	
2. Land converted to grassland	NA	NA	NA	NA	
3. Other [g]					
D. Wetlands	NA	NA	NA	NA	
1. Wetland remaining wetland	NA	NA	NA	NA	
2. Land converted to wetland	NA	NA	NA	NA	
3. Other [g]					
E. Settlements	NA	NA	NA	NA	
1. Settlements remaining settlements	NA	NA	NA	NA	
2. Land converted to settlements	NA	NA	NA	NA	
3. Other [g]					
F. Other land	NA	NA	NA	NA	
1. Other land remaining other land	NA	NA	NA	NA	
2. Land converted to other land	NA	NA	NA	NA	
3. Other [g]					
Harvested wood products	NA	NA	NA	NA	

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 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.

[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

Table 4(b) LTU_BR2_v1.0

Reporting on progress[a, b, c]

Units of market based mechanisms			*Year*	
			2013	*2014*
Kyoto Protocol units[d]	*Kyoto Protocol units*	*(number of units)*		
		(kt CO_2 eq)		
	AAUs	*(number of units)*		
		(kt CO2 eq)		
	ERUs	*(number of units)*		
		(kt CO2 eq)		
	CERs	*(number of units)*		
		(kt CO2 eq)		
	tCERs	*(number of units)*		
		(kt CO2 eq)		
	lCERs	*(number of units)*		
		(kt CO2 eq)		
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)*		
		(kt CO_2 eq)		

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, lCERs = 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 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.

[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

*The ESD allows Member States (MS) to make use offlexibility provisions for meeting their annual targets, with certain limitations.There is an annual limit of 3% for the use of project-based credits for eachMS in order to comply with the annual targets. The compliance assessment for 2013 underthe ESD has not yet started due to delay in submissions of National GHG Inventories. The need to use the units for meeting 2013 ESD target will be clear only in 2016. *

Table 5 LTU_BR2_v1.0

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

Key underlying assumptions		*Historical*[b]								Projected		
Assumption	*Unit*	*1990*	*1995*	2000	2005	2010	2011	2012	2015	2020	2025	2030
Population	*thousands*	3,697.84	3,629.10	3,499.54	3,322.53	3,097.28	3,028.12	2,987.77	2,901.04	2,671.11	2,425.26	2,201.95
GDP growth rate	%	-3.30	4.60	3.60	7.70	1.60	6.10	3.80	3.70	3.70	3.70	2.20
Municipal solid waste going to landfills	tonne	1,253.90	1,146.40	1,314.50	1,098.70	1,062.60	1,004.20	791.90	757.60	490.20	474.70	458.50
Share of CH4 recovery in total CH4 generation from landfills	%	0.00	0.00	0.00	0.00	3.70	11.30	12.00	17.10	34.90	35.20	35.10
Final energy consumption:-Industry	GJ	84,430,000.00	24,037,000.00	16,400,000.00	22,030,000.00	19,068,000.00	19,494,000.00	21,251,000.00	21,894,926.55	23,011,787.85	24,185,620.30	25,419,330.01
Final energy consumption:-Transport	GJ	82,691,000.00	43,157,000.00	43,942,000.00	59,964,000.00	66,554,000.00	66,238,000.00	68,172,000.00	71,285,986.18	76,795,252.61	82,730,297.21	89,124,025.83
Final energy consumption:-Residential	GJ	39,467,000.00	29,006,000.00	30,529,000.00	33,078,000.00	35,306,000.00	34,432,000.00	34,326,000.00	33,915,733.45	33,242,823.64	32,583,264.78	31,936,792.00
Final energy consumption:-Agriculture	GJ	20,721,000.00	6,219,000.00	2,945,000.00	3,194,000.00	3,617,000.00	3,713,000.00	3,682,000.00	3,682,000.00	3,682,000.00	3,682,000.00	3,682,000.00
Final energy consumption:-Services	GJ	42,301,000.00	15,310,000.00	5,684,000.00	5,866,000.00	6,347,000.00	6,632,000.00	6,048,000.00	6,231,260.45	6,549,117.36	6,883,188.16	7,234,299.93
Final energy consumption:-Other	GJ	0.00	0.00	0.00	82,000.00	78,000.00	74,000.00	82,000.00	82,000.00	82,000.00	82,000.00	82,000.00
Livestock:-Dairy cattle	1000 heads	842.00	586.05	438.35	416.50	359.78	349.55	331.04	300.00	315.00	322.50	330.00
Livestock:-Non-dairy cattle	1000 heads	1,479.50	479.10	309.94	383.79	388.20	402.81	398.14	430.00	470.00	482.50	495.00
Livestock:-Sheep	1000 heads	56.50	32.30	11.50	29.21	58.55	60.40	82.75	125.00	145.00	152.50	160.00
Livestock:-Swine	1000 heads	2,435.90	1,269.96	867.58	1,114.65	929.40	790.34	807.48	750.00	850.00	875.00	900.00
Livestock:-Poultry	1000 heads	168,150.00	84,442.00	55,765.00	93,971.00	94,663.00	89,212.00	90,856.00	8,950.00	9,500.00	9,700.00	9,900.00
Nitrogen input from application of synthetic fertilizers	kt nitrogen	212.00	40.00	98.00	119.00	143.20	147.00	150.00	148.00	151.00	154.05	157.16
Nitrogen input from application of manure (including sewage sludge and compost)	kt nitrogen	84.54	42.52	31.71	37.09	34.32	33.92	33.95	31.39	31.39	31.41	31.17
Nitrogen fixed by N-fixing crops	kt nitrogen	5.04	21.74	18.55	47.20	47.21	47.25	46.93	46.93	46.93	46.93	46.93
Nitrogen in crop residues returned to soils (including N-fixing crops)	kt nitrogen	28.16	38.55	38.58	64.80	64.80	68.17	75.06	71.97	72.77	73.27	73.79
Area of cultivated organic soils (same as in 2012)	*ha (hectares)*	154.21	174.49	192.37	208.32	180.37	179.15	175.71	175.71	175.71	175.71	175.71

[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

Table 6(a) LTU_BR2_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	2013	2020	2030
Sector[d,e]									
Energy	25,318.39	25,318.39	10,064.65	7,394.63	8,451.68	8,215.76	6,804.63	8,321.25	9,740.94
Transport	7,704.48	7,704.48	3,976.37	3,460.75	4,436.02	4,593.55	4,584.12	5,250.81	5,942.25
Industry/industrial processes	4,518.17	4,518.17	2,257.59	3,104.89	4,139.81	2,246.22	2,938.11	3,544.99	3,544.99
Agriculture	8,622.28	8,622.28	4,404.02	4,006.46	4,592.18	4,473.41	4,429.44	4,495.13	4,626.56
Forestry/LULUCF	-3,876.39	-3,876.39	-2,910.22	-9,145.41	-5,155.03	-11,208.30	-9,963.98	-9,904.75	-9,911.27
Waste management/waste	1,648.30	1,648.30	1,648.79	1,604.56	1,547.56	1,377.40	1,189.80	755.75	528.41
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	31,910.07	31,910.07	12,088.09	2,630.34	8,771.42	2,377.47	3,034.38		
CO_2 emissions excluding net CO_2 from LULUCF	35,825.81	35,825.81	15,040.41	11,816.90	13,959.81	13,620.58	13,032.27	15,554.49	17,668.78
CH_4 emissions including CH_4 from LULUCF	6,956.82	6,956.82	4,437.53	3,827.59	3,972.18	3,750.05	3,481.56		
CH_4 emissions excluding CH_4 from LULUCF	6,953.94	6,953.94	4,433.46	3,823.66	3,971.22	3,748.81	3,480.78	3,046.50	2,885.31
N_2O emissions including N_2O from LULUCF	5,068.34	5,068.34	2,912.25	3,951.23	5,185.04	3,334.82	3,145.57		
N_2O emissions excluding N_2O from LULUCF	5,031.89	5,031.89	2,874.22	3,914.00	5,152.64	3,301.25	3,112.44	3,476.16	3,538.27
HFCs	NO	NO	3.29	16.00	81.88	229.71	314.24	284.11	284.11
PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO
SF_6	NO	NO	0.05	0.72	1.70	5.99	6.32	3.99	3.99
Other (specify)	NO	NO	NO	NO	NO	NO	0.06	2.68	2.68
NF3	NO	NO	NO	NO	NO	NO	0.06	2.68	2.68
Total with LULUCF[f]	43,935.23	43,935.23	19,441.21	10,425.88	18,012.22	9,698.04	9,982.13	290.78	290.78
Total without LULUCF	47,811.64	47,811.64	22,351.43	19,571.28	23,167.25	20,906.34	19,946.11	22,367.93	24,383.14

Table 6(a) LTU_BR2_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	2013	2020	2030

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.

[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

Table 6(c) LTU_BR2_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)							(kt CO_2 eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2013	2020	2030
Sector[d,e]									
Energy	25,318.39	25,318.39	10,064.65	7,394.63	8,451.68	8,215.76	6,804.63	7,632.07	6,784.84
Transport	7,704.48	7,704.48	3,976.37	3,460.75	4,436.02	4,593.55	4,584.12	5,023.58	5,390.40
Industry/industrial processes	4,518.17	4,518.17	2,257.59	3,104.89	4,139.81	2,246.22	2,938.11	3,544.99	3,544.99
Agriculture	8,622.28	8,622.28	4,404.02	4,006.46	4,592.18	4,473.41	4,429.44	4,495.13	4,626.56
Forestry/LULUCF	-3,876.39	-3,876.39	-2,910.22	-9,145.41	-5,155.03	-11,208.30	-9,963.98	-11,044.45	-13,340.55
Waste management/waste	1,648.30	1,648.30	1,648.79	1,604.56	1,547.56	1,377.40	1,189.80	755.75	528.41
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	31,910.07	31,910.07	12,088.09	2,630.34	8,771.42	2,377.47	3,034.38		
CO_2 emissions excluding net CO_2 from LULUCF	35,825.81	35,825.81	15,040.41	11,816.90	13,959.81	13,620.58	13,032.27	14,659.61	14,223.38
CH_4 emissions including CH_4 from LULUCF	6,956.82	6,956.82	4,437.53	3,827.59	3,972.18	3,750.05	3,481.56		
CH_4 emissions excluding CH_4 from LULUCF	6,953.94	6,953.94	4,433.46	3,823.66	3,971.22	3,748.81	3,480.78	3,030.07	2,842.90
N_2O emissions including N_2O from LULUCF	5,068.34	5,068.34	2,912.25	3,951.23	5,185.04	3,334.82	3,145.57		
N_2O emissions excluding N_2O from LULUCF	5,031.89	5,031.89	2,874.22	3,914.00	5,152.64	3,301.25	3,112.44	3,471.05	3,518.14
HFCs	NO	NO	3.29	16.00	81.88	229.71	314.24	284.11	284.11
PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO
SF_6	NO	NO	0.05	0.72	1.70	5.99	6.32	3.99	3.99
Other (specify)	NO	NO	NO	NO	NO	NO	0.06	2.68	2.68
NF3	NO	NO	NO	NO	NO	NO	0.06	2.68	2.68
Total with LULUCF[f]	43,935.23	43,935.23	19,441.21	10,425.88	18,012.22	9,698.04	9,982.13	290.78	290.78
Total without LULUCF	47,811.64	47,811.64	22,351.43	19,571.28	23,167.25	20,906.34	19,946.11	21,451.51	20,875.20

Table 6(c) LTU_BR2_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)							(kt CO_2 eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2013	2020	2030

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.

[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.

Table 7 LTU_BR2_v1.0

Provision of public financial support: summary information in 2013[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:		105,360.00					111,682.00			
Multilateral climate change funds[g]										
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks		105,360.00					111,682.00			
Specialized United Nations bodies										
Total contributions through bilateral, regional and other channels		9,200.00					9,752.00			
Total		114,560.00					121,434.00			

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:

Table 7 LTU_BR2_v1.0

Provision of public financial support: summary information in 2014[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:	788,053.00	105,360.00		50,000.00		835,336.00	111,682.00		53,000.00	
Multilateral climate change funds[g]										
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks	770,000.00	105,360.00		50,000.00		816,200.00	111,682.00		53,000.00	
Specialized United Nations bodies	18,053.00					19,136.00				
Total contributions through bilateral, regional and other channels		151,636.00					160,734.00			
Total	788,053.00	256,996.00		50,000.00		835,336.00	272,416.00		53,000.00	

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:

Table 7(a) LTU_BR2_v1.0

Provision of public financial support: contribution through multilateral channels in 2013[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			105,360.00	111,682.00					
Multilateral climate change funds[g]									
1. Global Environment Facility									
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks			105,360.00	111,682.00					
1. World Bank									
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank									
5. European Bank for Reconstruction and Development			105,360.00	111,682.00	Pledged	ODA	Grant	Mitigation	Energy
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies									
1. United Nations Development Programme									
2. United Nations Environment Programme									
3. Other									

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

[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

Table 7(a) LTU_BR2_v1.0

Provision of public financial support: contribution through multilateral channels in 2014[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	788,053.00	835,336.00	155,360.00	164,682.00					
Multilateral climate change funds[g]									
1. Global Environment Facility									
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks	770,000.00	816,200.00	155,360.00	164,682.00					
1. World Bank	770,000.00	816,200.00			Provided	ODA	Grant	Cross-cutting	Not applicable
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank									
5. European Bank for Reconstruction and Development			105,360.00	111,682.00	Provided	ODA	Grant	Mitigation	Energy
6. Inter-American Development Bank									
7. Other			50,000.00	53,000.00					
European Investment Bank			50,000.00	53,000.00	Provided	ODA		Cross-cutting	Energy, Transport, Water and sanitation
Specialized United Nations bodies	18,053.00	19,136.00							
1. United Nations Development Programme									
2. United Nations Environment Programme	18,053.00	19,136.00							
-	18,053.00	19,136.00			Provided	ODA	Grant	Cross-cutting	Not applicable
3. Other									

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

Table 7(b) LTU_BR2_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2013[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	9,200.00	9,752.00						
Ukraine / “Sustainable energy planning- international cooperation and best practices of Mayor’s Pact” in Ukraine	9,200.00	9,752.00	Committed	ODA	Grant	Mitigation	Energy	The project also qualified as capacity building

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) LTU_BR2_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2014[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	151,636.00	160,734.00						
Malaysia / Bilateral development cooperation project: "Promotion of the usage of newest renewable energy technologies and transfer of available knowledge in this field to Malaysian institutions"	144,810.00	153,498.00	Committed	ODA	Grant	Mitigation	Energy	
Ukraine, Armenia / Regional development cooperation project: seminars "Main elements of nuclear safety" to higher-level officials of Armenia, Ukraine and Moldova	6,826.00	7,236.00	Provided	ODA	Grant	Mitigation	Energy	

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 LTU_BR2_v1.0

Provision of technology development and transfer support[a,b]

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

[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

Table 9 LTU_BR2_v1.0

Provision of capacity-building support[a]

Recipient country/region	*Targeted area*	*Programme or project title*	*Description of programme or project* [b,c]

[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