BR CTF submission workbook

Submission Year	2016	Party	FINLAND
Submission Version	v2.0	Submission Level	Submitted
Submission Key	FIN_2016_V2.0	Submission Status	Closed
Submitted By	Kai Skoglund	Workbook Created	17.12.2015 03:30:27
Submitted Date	17.12.2015 03:28:58		

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Table 1 FIN_BR2_v2.0

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	56,927.55	56,927.55	55,184.58	54,241.54	56,309.44	61,672.05	58,098.75	64,011.39	62,670.77
CO_2 emissions with net CO_2 from LULUCF	38,326.15	38,326.15	23,568.71	28,750.58	30,088.03	42,466.32	39,909.29	36,796.59	38,700.19
CH_4 emissions without CH_4 from LULUCF	7,746.71	7,746.71	7,715.62	7,670.85	7,709.27	7,675.58	7,471.26	7,394.13	7,310.33
CH_4 emissions with CH_4 from LULUCF	9,286.73	9,286.73	9,236.56	9,177.23	9,197.09	9,148.68	8,927.61	8,833.45	8,733.98
N_2O emissions without N_2O from LULUCF	6,338.95	6,338.95	5,891.23	5,469.38	5,621.32	5,792.25	5,989.20	5,891.03	5,837.27
N_2O emissions with N_2O from LULUCF	7,601.50	7,601.50	7,150.50	6,721.80	6,869.44	7,050.33	7,245.24	7,150.34	7,106.04
HFCs	0.02	0.02	0.03	0.04	0.19	5.34	26.90	74.19	149.49
PFCs	0.21	0.21	0.24	0.27	0.31	0.36	0.42	0.48	0.55
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO
SF_6	52.48	52.48	40.16	25.67	19.75	23.86	36.98	54.16	50.11
NF3	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (without LULUCF)	71,065.93	71,065.93	68,831.85	67,407.75	69,660.27	75,169.44	71,623.50	77,425.39	76,018.52
Total (with LULUCF)	55,267.09	55,267.09	39,996.20	44,675.59	46,174.82	58,694.89	56,146.44	52,909.21	54,740.36
Total (without LULUCF, with indirect)	71,327.50	71,327.50	69,077.95	67,643.78	69,883.26	75,384.76	71,827.62	77,615.16	76,197.13
Total (with LULUCF, with indirect)	55,528.66	55,528.66	40,242.30	44,911.62	46,397.80	58,910.22	56,350.56	53,098.98	54,918.97

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt CO_2 eq								
1. Energy	53,586.29	53,586.29	52,232.04	51,603.41	53,561.05	58,838.34	55,372.16	61,121.57	59,541.32
2. Industrial processes and product use	5,350.83	5,350.83	4,946.65	4,657.73	4,685.39	4,884.25	4,894.33	5,102.17	5,378.67
3. Agriculture	7,455.57	7,455.57	6,925.35	6,406.44	6,680.65	6,777.48	6,758.54	6,708.01	6,728.11
4. Land Use, Land-Use Change and Forestry[b]	-15,798.84	-15,798.84	-28,835.65	-22,732.16	-23,485.46	-16,474.54	-15,477.06	-24,516.17	-21,278.16
5. Waste	4,673.24	4,673.24	4,727.81	4,740.17	4,733.19	4,669.37	4,598.47	4,493.63	4,370.42
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	55,267.09	55,267.09	39,996.20	44,675.59	46,174.82	58,694.89	56,146.44	52,909.21	54,740.36

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 FIN_BR2_v2.0

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	59,324.01	58,845.53	57,101.25	62,362.86	64,879.35	72,436.57	68,728.85	56,808.52	68,172.86	66,414.63
CO_2 emissions with net CO_2 from LULUCF	37,067.98	33,681.83	29,952.74	33,607.77	35,659.34	42,710.78	37,610.17	24,683.80	29,806.43	35,846.45
CH_4 emissions without CH_4 from LULUCF	7,064.00	6,913.26	6,661.76	6,520.08	6,302.99	6,094.45	5,909.30	5,661.46	5,733.25	5,593.31
CH_4 emissions with CH_4 from LULUCF	8,469.26	8,292.71	8,012.11	7,844.51	7,599.24	7,361.12	7,145.78	6,870.84	6,915.41	6,746.60
N_2O emissions without N_2O from LULUCF	5,684.49	5,579.22	5,628.61	5,575.24	5,682.08	5,793.16	5,849.90	5,926.62	5,731.41	5,798.59
N_2O emissions with N_2O from LULUCF	6,960.12	6,853.39	6,902.23	6,853.20	6,958.09	7,070.94	7,126.44	7,195.32	7,005.78	7,065.66
HFCs	247.08	330.63	559.32	592.12	634.02	635.74	688.65	895.42	910.55	1,149.94
PFCs	0.63	35.69	13.23	22.68	16.50	18.32	14.39	15.97	19.21	10.21
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SF_6	38.62	30.76	26.06	25.53	25.34	25.57	23.84	22.19	27.56	19.17
NF3	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (without LULUCF)	72,358.83	71,735.08	69,990.22	75,098.51	77,540.28	85,003.81	81,214.93	69,330.19	80,594.85	78,985.85
Total (with LULUCF)	52,783.69	49,225.01	45,465.68	48,945.81	50,892.53	57,822.49	52,609.27	39,683.54	44,684.94	50,838.04
Total (without LULUCF, with indirect)	72,527.65	71,895.95	70,144.72	75,251.18	77,681.03	85,140.53	81,348.28	69,452.48	80,717.70	79,102.27
Total (with LULUCF, with indirect)	52,952.51	49,385.88	45,620.18	49,098.48	51,033.29	57,959.21	52,742.62	39,805.83	44,807.79	50,954.45

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	56,222.82	55,615.98	53,933.07	59,137.92	61,736.42	69,286.82	65,386.21	53,609.77	64,770.89	62,651.63
2. Industrial processes and product use	5,403.23	5,584.73	5,799.88	5,839.58	5,816.82	6,075.95	6,392.63	6,495.30	6,564.42	7,209.54
3. Agriculture	6,547.32	6,438.52	6,403.44	6,426.57	6,551.38	6,410.91	6,367.39	6,396.47	6,354.54	6,326.62
4. Land Use, Land-Use Change and Forestry[b]	-19,575.14	-22,510.07	-24,524.54	-26,152.69	-26,647.75	-27,181.33	-28,605.66	-29,646.65	-35,909.91	-28,147.81
5. Waste	4,185.45	4,095.85	3,853.82	3,694.44	3,435.65	3,230.12	3,068.69	2,828.66	2,905.00	2,798.06
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	52,783.69	49,225.01	45,465.68	48,945.81	50,892.53	57,822.49	52,609.27	39,683.54	44,684.94	50,838.04

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

Table 1

FIN_BR2_v2.0

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	58,379.61	55,455.74	63,694.97	56,579.46	51,077.84	51,692.01	-9.20
CO_2 emissions with net CO_2 from LULUCF	29,076.51	13,769.52	34,771.74	28,202.22	21,029.86	29,137.20	-23.98
CH_4 emissions without CH_4 from LULUCF	5,462.17	5,406.83	5,489.28	5,308.25	5,266.77	5,129.17	-33.79
CH_4 emissions with CH_4 from LULUCF	6,558.79	6,446.02	6,469.93	6,232.19	6,188.80	6,051.33	-34.84
N_2O emissions without N_2O from LULUCF	5,921.64	5,072.39	4,679.95	4,543.25	4,517.20	4,573.66	-27.85
N_2O emissions with N_2O from LULUCF	7,199.62	6,336.54	5,943.71	5,800.24	5,769.60	5,826.58	-23.35
HFCs	1,338.79	1,425.56	1,820.34	1,587.90	1,476.51	1,556.94	6,480,418.5
PFCs	13.88	11.49	0.94	2.15	5.47	6.42	3,000.26
Unspecified mix of HFCs and PFCs	NO	NO	NO	NO	NO	NO	
SF_6	26.66	26.71	21.79	23.67	22.16	30.70	-41.50
NF3	NO	NO	NO	NO	NO	NO	
Total (without LULUCF)	71,142.74	67,398.73	75,707.28	68,044.68	62,365.95	62,988.90	-11.37
Total (with LULUCF)	44,214.24	28,015.85	49,028.45	41,848.37	34,492.40	42,609.18	-22.90
Total (without LULUCF, with indirect)	71,247.88	67,493.72	75,803.23	68,131.57	62,449.07	63,069.30	-11.58
Total (with LULUCF, with indirect)	44,319.38	28,110.84	49,124.40	41,935.26	34,575.51	42,689.58	-23.12

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							(%)
1. Energy	54,419.22	52,375.47	60,043.13	52,922.22	47,617.67	48,358.52	-9.76
2. Industrial processes and product use	7,635.87	6,017.58	6,557.65	6,268.34	5,978.35	5,960.45	11.39
3. Agriculture	6,405.25	6,421.13	6,521.27	6,349.49	6,316.56	6,337.75	-14.99
4. Land Use, Land-Use Change and Forestry[b]	-26,928.50	-39,382.88	-26,678.83	-26,196.31	-27,873.56	-20,379.72	29.00
5. Waste	2,682.41	2,584.54	2,585.24	2,504.62	2,453.37	2,332.18	-50.10
6. Other	NO	NO	NO	NO	NO	NO	
Total (including LULUCF)	44,214.24	28,015.85	49,028.45	41,848.37	34,492.40	42,609.18	-22.90

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) FIN_BR2_v2.0

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	52,668.99	52,668.99	51,295.07	50,655.15	52,569.82	57,814.20	54,355.41	60,057.60	58,478.31
A. Fuel combustion (sectoral approach)	52,557.50	52,557.50	51,191.61	50,545.31	52,412.93	57,747.77	54,280.81	59,992.84	58,375.09
1. Energy industries	18,841.95	18,841.95	18,649.92	18,458.82	21,187.10	26,152.47	23,834.90	29,549.57	27,160.43
2. Manufacturing industries and construction	13,496.75	13,496.75	12,984.08	12,458.10	12,538.13	12,806.21	12,239.01	12,100.15	12,369.22
3. Transport	11,825.74	11,825.74	11,461.16	11,381.66	10,935.82	11,299.15	11,103.49	11,109.86	11,676.48
4. Other sectors	7,266.50	7,266.50	7,094.64	7,206.78	6,808.01	6,298.08	5,818.57	5,904.05	5,895.64
5. Other	1,126.56	1,126.56	1,001.80	1,039.94	943.87	1,191.86	1,284.85	1,329.22	1,273.30
B. Fugitive emissions from fuels	111.49	111.49	103.46	109.84	156.89	66.43	74.60	64.76	103.22
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	111.49	111.49	103.46	109.84	156.89	66.43	74.60	64.76	103.22
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial processes	3,640.02	3,640.02	3,457.70	3,313.25	3,291.39	3,408.96	3,357.50	3,500.43	3,724.95
A. Mineral industry	1,177.61	1,177.61	1,009.11	911.49	814.86	855.87	834.90	874.31	902.61
B. Chemical industry	269.14	269.14	288.64	234.90	186.56	235.90	261.34	262.02	257.77
C. Metal industry	1,975.58	1,975.58	1,986.46	1,990.89	2,112.84	2,121.33	2,075.65	2,198.00	2,413.76
D. Non-energy products from fuels and solvent use	217.69	217.69	173.49	175.98	177.13	195.86	185.62	166.10	150.81
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Agriculture	618.54	618.54	431.80	273.14	448.22	448.89	385.84	453.36	467.51
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	617.87	617.87	431.30	272.92	448.14	448.60	385.68	453.17	467.20
H. Urea application	0.67	0.67	0.50	0.21	0.09	0.29	0.16	0.19	0.31
I. Other carbon-containing fertilizers	NA	NA	NA	NA	NA	NA	NA	NA	NA
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land Use, Land-Use Change and Forestry	-18,601.40	-18,601.40	-31,615.87	-25,490.96	-26,221.40	-19,205.73	-18,189.46	-27,214.80	-23,970.58
A. Forest land	-23,037.24	-23,037.24	-37,527.87	-31,377.35	-29,725.29	-22,249.62	-22,209.40	-31,521.39	-25,950.77
B. Cropland	5,470.60	5,470.60	5,244.59	5,409.69	5,281.14	5,998.87	6,489.58	6,257.01	6,341.23
C. Grassland	862.79	862.79	855.29	826.35	797.06	770.33	749.06	723.90	727.70
D. Wetlands	1,440.04	1,440.04	1,419.07	1,593.23	1,544.17	1,750.05	1,624.34	1,664.53	1,733.24
E. Settlements	975.59	975.59	1,036.47	1,074.71	1,147.74	1,212.17	1,229.02	1,298.32	1,414.71
F. Other land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Harvested wood products	-4,313.18	-4,313.18	-2,643.41	-3,017.59	-5,266.22	-6,687.53	-6,072.04	-5,637.17	-8,236.69
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
A. Solid waste disposal	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Biological treatment of solid waste									
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
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	2,839.74	2,839.74	2,693.78	3,043.24	2,512.52	2,169.37	1,955.73	2,159.24	2,294.78
Aviation	1,007.74	1,007.74	948.31	838.29	787.78	829.36	896.99	960.24	997.64
Navigation	1,832.00	1,832.00	1,745.48	2,204.95	1,724.74	1,340.01	1,058.74	1,199.00	1,297.14
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass	19,321.77	19,321.77	18,998.51	18,692.67	22,222.70	23,101.60	23,476.08	23,455.19	26,735.91
CO2 captured	NO	NO	NO, NA	NO, NA	0.86	20.07	54.15	73.54	106.08
Long-term storage of C in waste disposal sites	NE	NE	NE	NE	NE	NE	NE	NE	NE
Indirect N2O									
Indirect CO2 (3)	261.57	261.57	246.10	236.03	222.98	215.32	204.12	189.77	178.61
Total CO2 equivalent emissions without land use, land-use change and forestry	71,065.93	71,065.93	68,831.85	67,407.75	69,660.27	75,169.44	71,623.50	77,425.39	76,018.52
Total CO2 equivalent emissions with land use, land-use change and forestry	55,267.09	55,267.09	39,996.20	44,675.59	46,174.82	58,694.89	56,146.44	52,909.21	54,740.36
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	57,189.12	57,189.12	55,430.68	54,477.56	56,532.42	61,887.37	58,302.87	64,201.17	62,849.38
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	38,587.72	38,587.72	23,814.81	28,986.61	30,311.02	42,681.64	40,113.41	36,986.37	38,878.80

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

Table 1 (a) FIN_BR2_v2.0

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	55,167.73	54,589.30	52,940.61	58,062.70	60,647.13	68,159.87	64,293.19	52,593.15	63,693.47	61,597.73
A. Fuel combustion (sectoral approach)	55,103.79	54,534.15	52,882.14	58,009.75	60,585.63	68,103.84	64,238.15	52,522.69	63,635.17	61,516.75
1. Energy industries	23,912.07	23,366.88	22,065.51	27,193.81	29,950.71	36,961.60	32,900.46	21,696.47	32,490.01	30,450.26
2. Manufacturing industries and construction	12,021.80	12,000.29	12,024.93	11,580.62	11,272.83	11,640.77	11,723.90	11,441.75	11,713.51	11,566.61
3. Transport	11,817.54	12,033.02	11,928.66	12,053.16	12,244.93	12,446.28	12,790.28	12,804.34	12,972.02	13,314.92
4. Other sectors	5,971.50	5,891.28	5,552.02	5,758.04	5,712.70	5,609.37	5,513.06	5,186.25	5,066.60	4,914.85
5. Other	1,380.88	1,242.69	1,311.01	1,424.12	1,404.46	1,445.83	1,310.45	1,393.88	1,393.03	1,270.11
B. Fugitive emissions from fuels	63.94	55.15	58.48	52.96	61.50	56.02	55.04	70.46	58.30	80.98
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	63.94	55.15	58.48	52.96	61.50	56.02	55.04	70.46	58.30	80.98
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial processes	3,728.32	3,827.15	3,834.50	3,905.03	3,809.81	3,998.80	4,183.61	3,950.35	4,180.68	4,567.44
A. Mineral industry	909.28	984.43	1,033.08	1,038.99	1,037.75	1,088.94	1,167.44	1,153.68	1,223.87	1,242.08
B. Chemical industry	254.00	254.70	276.43	283.95	312.41	313.46	331.37	290.63	370.63	700.18
C. Metal industry	2,418.75	2,447.70	2,388.34	2,439.25	2,317.40	2,479.24	2,574.68	2,403.71	2,472.54	2,494.83
D. Non-energy products from fuels and solvent use	146.29	140.32	136.64	142.84	142.24	117.16	110.12	102.34	113.64	130.36
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	427.96	429.08	326.14	395.13	422.42	277.90	252.05	265.03	298.71	249.45
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	427.62	428.84	325.90	394.85	422.13	277.62	251.76	264.76	298.26	248.65
H. Urea application	0.33	0.24	0.24	0.27	0.29	0.28	0.30	0.27	0.45	0.81
I. Other carbon-containing fertilizers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
J. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. Land Use, Land-Use Change and Forestry	-22,256.03	-25,163.70	-27,148.51	-28,755.09	-29,220.02	-29,725.79	-31,118.68	-32,124.73	-38,366.43	-30,568.17
A. Forest land	-24,310.49	-27,329.97	-28,816.55	-33,436.72	-34,026.53	-34,072.98	-35,349.44	-40,154.89	-44,177.35	-35,044.88
B. Cropland	6,402.85	6,019.45	5,863.93	6,186.53	6,545.65	6,671.66	6,769.38	6,451.82	6,873.54	6,473.71
C. Grassland	723.93	712.72	706.09	723.19	712.00	717.60	778.22	828.69	843.19	825.59
D. Wetlands	1,527.12	1,937.77	1,742.32	1,957.83	2,002.09	1,926.00	1,812.54	2,059.68	2,343.41	2,058.54
E. Settlements	1,492.05	1,516.80	1,518.31	1,729.19	1,747.49	1,801.36	2,033.45	2,087.18	1,965.65	2,029.09
F. Other land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Harvested wood products	-8,091.49	-8,020.47	-8,162.60	-5,915.11	-6,200.72	-6,769.43	-7,162.82	-3,397.19	-6,214.86	-6,910.22
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
A. Solid waste disposal	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Biological treatment of solid waste										
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
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	2,680.70	2,863.81	3,110.18	2,922.77	3,146.76	3,167.90	2,931.03	2,904.30	3,222.43	3,115.25
Aviation	1,022.16	1,094.05	1,063.30	1,089.95	1,077.58	1,113.52	1,282.24	1,290.15	1,434.57	1,655.64
Navigation	1,658.53	1,769.77	2,046.88	1,832.82	2,069.18	2,054.38	1,648.79	1,614.15	1,787.86	1,459.62
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass	27,393.00	29,652.02	29,449.41	28,453.97	30,824.56	31,481.62	33,138.04	30,980.92	34,556.84	33,355.49
CO2 captured	127.68	156.47	181.77	177.15	176.34	188.91	208.06	186.73	211.83	233.99
Long-term storage of C in waste disposal sites	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Indirect N2O										
Indirect CO2 (3)	168.82	160.87	154.49	152.67	140.76	136.72	133.35	122.28	122.85	116.41
Total CO2 equivalent emissions without land use, land-use change and forestry	72,358.83	71,735.08	69,990.22	75,098.51	77,540.28	85,003.81	81,214.93	69,330.19	80,594.85	78,985.85
Total CO2 equivalent emissions with land use, land-use change and forestry	52,783.69	49,225.01	45,465.68	48,945.81	50,892.53	57,822.49	52,609.27	39,683.54	44,684.94	50,838.04
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	59,492.82	59,006.40	57,255.74	62,515.53	65,020.11	72,573.29	68,862.20	56,930.81	68,295.71	66,531.04
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	37,236.79	33,842.70	30,107.24	33,760.44	35,800.09	42,847.50	37,743.52	24,806.08	29,929.28	35,962.87

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

Table 1(a) FIN_BR2_v2.0

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	53,389.47	51,381.60	58,927.46	51,902.42	46,600.08	47,370.36	-10.06
A. Fuel combustion (sectoral approach)	53,292.29	51,306.80	58,830.95	51,814.57	46,498.15	47,291.05	-10.02
1. Energy industries	23,950.31	25,047.57	30,257.64	24,425.05	20,403.73	21,745.28	15.41
2. Manufacturing industries and construction	10,970.77	8,560.33	10,010.32	9,789.42	8,542.65	8,508.73	-36.96
3. Transport	12,675.79	12,106.31	12,611.52	12,421.97	12,111.71	11,999.22	1.47
4. Other sectors	4,430.16	4,386.26	4,665.21	4,037.63	4,293.15	4,016.57	-44.72
5. Other	1,265.27	1,206.33	1,286.25	1,140.50	1,146.92	1,021.25	-9.35
B. Fugitive emissions from fuels	97.18	74.80	96.51	87.85	101.92	79.31	-28.87
1. Solid fuels	NO	NO	NO	NO	NO	NO	
2. Oil and natural gas and other emissions from energy production	97.18	74.80	96.51	87.85	101.92	79.31	-28.87
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	
2. Industrial processes	4,700.10	3,761.74	4,521.80	4,493.44	4,283.26	4,127.16	13.38
A. Mineral industry	1,203.80	866.88	1,122.66	1,215.88	1,080.99	1,026.16	-12.86
B. Chemical industry	816.94	825.31	874.97	817.84	833.61	909.90	238.08
C. Metal industry	2,553.55	1,968.90	2,439.59	2,377.43	2,285.29	2,094.77	6.03
D. Non-energy products from fuels and solvent use	125.81	100.64	84.59	82.29	83.37	96.32	-55.75
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	290.03	312.40	245.71	183.60	194.51	194.48	-68.56
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	289.52	312.04	245.27	182.89	194.15	194.15	-68.58
H. Urea application	0.51	0.37	0.44	0.71	0.35	0.33	-50.29
I. Other carbon-containing fertilizers	NA	NA	NA	NA	NA	NA	
J. Other	NO	NO	NO	NO	NO	NO	
4. Land Use, Land-Use Change and Forestry	-29,303.10	-41,686.23	-28,923.24	-28,377.23	-30,047.99	-22,554.81	21.25
A. Forest land	-37,668.65	-52,670.46	-36,140.47	-34,939.32	-36,975.05	-28,411.38	23.33
B. Cropland	6,548.97	6,445.05	6,728.21	6,391.08	6,509.67	6,430.74	17.55
C. Grassland	806.12	745.22	677.42	619.46	617.09	607.59	-29.58
D. Wetlands	2,201.60	2,290.26	2,240.76	2,176.87	2,103.48	2,227.65	54.69
E. Settlements	1,914.89	1,706.72	1,483.18	1,242.74	1,090.60	947.22	-2.91
F. Other land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	
G. Harvested wood products	-3,106.03	-203.02	-3,912.34	-3,868.06	-3,393.78	-4,356.63	1.01
H. Other	NA	NA	NA	NA	NA	NA	
5. Waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	
A. Solid waste disposal	NO	NO	NO	NO	NO	NO	
B. Biological treatment of solid waste							
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	
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	3,069.47	2,351.70	2,309.86	2,568.00	2,237.55	2,319.95	-18.30
Aviation	1,792.08	1,570.07	1,653.51	1,956.64	1,888.56	1,949.24	93.43
Navigation	1,277.39	781.63	656.34	611.37	348.99	370.70	-79.77
Multilateral operations	NO	NO	NO	NO	NO	NO	
CO2 emissions from biomass	34,255.40	30,774.05	36,426.87	36,014.39	37,577.32	38,388.34	98.68
CO2 captured	213.20	184.96	197.62	179.59	146.64	134.52	
Long-term storage of C in waste disposal sites	NE	NE	NE	NE	NE	NE	
Indirect N2O							
Indirect CO2 (3)	105.14	94.99	95.95	86.89	83.11	80.40	-69.26
Total CO2 equivalent emissions without land use, land-use change and forestry	71,142.74	67,398.73	75,707.28	68,044.68	62,365.95	62,988.90	-11.37
Total CO2 equivalent emissions with land use, land-use change and forestry	44,214.24	28,015.85	49,028.45	41,848.37	34,492.40	42,609.18	-22.90
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	58,484.75	55,550.74	63,790.92	56,666.35	51,160.96	51,772.41	-9.47
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	29,181.65	13,864.51	34,867.69	28,289.11	21,112.97	29,217.60	-24.28

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) FIN_BR2_v2.0

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	15.05	15.05	16.18	16.77	17.29	17.69	17.60	18.02	17.48
A. Fuel combustion (sectoral approach)	14.61	14.61	14.28	14.15	13.97	13.97	13.90	14.25	14.23
1. Energy industries	0.39	0.39	0.41	0.43	0.48	0.58	0.62	0.73	0.77
2. Manufacturing industries and construction	0.65	0.65	0.63	0.60	0.69	0.71	0.73	0.71	0.75
3. Transport	4.52	4.52	4.21	4.01	3.76	3.54	3.37	3.24	3.14
4. Other sectors	8.91	8.91	8.91	8.99	8.95	9.02	9.02	9.42	9.43
5. Other	0.15	0.15	0.12	0.12	0.10	0.13	0.15	0.16	0.15
B. Fugitive emissions from fuels	0.43	0.43	1.91	2.62	3.32	3.71	3.70	3.77	3.25
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	0.43	0.43	1.91	2.62	3.32	3.71	3.70	3.77	3.25
C. CO2 transport and storage									
2. Industrial processes	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
A. Mineral industry									
B. Chemical industry	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C. Metal industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Non-energy products from fuels and solvent use	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
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	111.83	111.83	107.27	104.35	105.59	106.39	101.37	102.16	104.29
A. Enteric fermentation	97.00	97.00	93.13	90.09	90.90	90.99	85.72	85.95	87.23
B. Manure management	14.71	14.71	14.03	14.17	14.58	15.29	15.55	16.10	16.94
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.12	0.12	0.11	0.09	0.11	0.11	0.10	0.11	0.11
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	61.60	61.60	60.84	60.26	59.51	58.92	58.25	57.57	56.95
A. Forest land	59.62	59.62	58.82	58.20	57.41	56.77	56.04	55.30	54.61
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
D. Wetlands	1.98	1.98	2.02	2.06	2.11	2.16	2.22	2.28	2.33
E. Settlements	IE	IE	IE	IE	IE	IE	IE	IE	IE
F. Other land	NA	NA	NA	NA	NA	NA	NA	NA	NA
G. Harvested wood products									
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Waste	182.98	182.98	185.16	185.71	185.48	182.94	179.86	175.57	170.64
A. Solid waste disposal	173.11	173.11	175.38	176.03	175.68	173.04	169.80	165.36	160.67
B. Biological treatment of solid waste	1.03	1.03	1.16	1.30	1.40	1.49	1.70	1.93	1.95
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
D. Waste water treatment and discharge	8.84	8.84	8.62	8.38	8.40	8.40	8.35	8.28	8.01
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	309.87	309.87	308.62	306.83	308.37	307.02	298.85	295.77	292.41
Total CH4 emissions with CH4 from LULUCF	371.47	371.47	369.46	367.09	367.88	365.95	357.10	353.34	349.36
Memo items:									
International bunkers	0.16	0.16	0.15	0.18	0.15	0.12	0.10	0.12	0.13
Aviation	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Navigation	0.14	0.14	0.13	0.16	0.13	0.10	0.07	0.09	0.09
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) FIN_BR2_v2.0

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	17.52	16.53	15.85	17.52	17.28	17.59	17.08	17.04	17.04	16.66
A. Fuel combustion (sectoral approach)	14.17	13.87	13.34	14.41	14.72	14.79	14.57	14.15	14.55	14.40
1. Energy industries	0.78	0.83	0.73	0.91	1.14	1.31	1.21	0.99	1.20	1.09
2. Manufacturing industries and construction	0.72	0.73	0.75	0.70	0.68	0.70	0.71	0.67	0.71	0.71
3. Transport	2.98	2.82	2.62	2.51	2.32	2.10	1.91	1.77	1.63	1.52
4. Other sectors	9.53	9.33	9.09	10.14	10.41	10.51	10.57	10.56	10.85	10.94
5. Other	0.17	0.15	0.15	0.16	0.16	0.17	0.16	0.16	0.16	0.15
B. Fugitive emissions from fuels	3.35	2.67	2.50	3.11	2.56	2.79	2.51	2.89	2.49	2.26
1. Solid fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and natural gas and other emissions from energy production	3.35	2.67	2.50	3.11	2.56	2.79	2.51	2.89	2.49	2.26
C. CO2 transport and storage										
2. Industrial processes	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01
A. Mineral industry										
B. Chemical industry	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C. Metal industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Non-energy products from fuels and solvent use	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01
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	101.97	100.56	101.04	100.06	101.99	101.76	101.40	101.48	101.37	100.64
A. Enteric fermentation	85.36	84.13	84.59	83.65	84.60	83.74	83.13	82.56	82.69	81.88
B. Manure management	16.53	16.36	16.34	16.31	17.29	17.92	18.18	18.83	18.60	18.68
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.08	0.08	0.11	0.09	0.10	0.09	0.09	0.09	0.08	0.09
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	56.21	55.18	54.01	52.98	51.85	50.67	49.46	48.38	47.29	46.13
A. Forest land	53.82	52.73	51.53	50.44	49.30	48.10	46.88	45.75	44.63	43.41
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
D. Wetlands	2.39	2.44	2.49	2.53	2.55	2.57	2.58	2.62	2.66	2.72
E. Settlements	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
F. Other land	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G. Harvested wood products										
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Waste	163.06	159.43	149.58	143.21	132.84	124.43	117.89	107.93	110.91	106.42
A. Solid waste disposal	153.13	149.51	139.68	133.31	122.83	114.34	107.73	97.61	100.43	95.78
B. Biological treatment of solid waste	2.07	2.19	2.29	2.42	2.55	2.64	2.74	3.07	3.21	3.40
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
D. Waste water treatment and discharge	7.86	7.73	7.61	7.48	7.46	7.45	7.42	7.25	7.26	7.24
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	282.56	276.53	266.47	260.80	252.12	243.78	236.37	226.46	229.33	223.73
Total CH4 emissions with CH4 from LULUCF	338.77	331.71	320.48	313.78	303.97	294.44	285.83	274.83	276.62	269.86
Memo items:										
International bunkers	0.16	0.18	0.20	0.18	0.18	0.18	0.15	0.16	0.17	0.15
Aviation	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
Navigation	0.12	0.14	0.15	0.14	0.16	0.16	0.12	0.12	0.14	0.11
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) FIN_BR2_v2.0

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	17.19	17.41	18.76	16.51	17.41	16.30	8.30
A. Fuel combustion (sectoral approach)	15.01	15.34	16.98	14.93	15.78	14.70	0.58
1. Energy industries	1.06	1.01	1.16	1.07	1.02	1.00	156.25
2. Manufacturing industries and construction	0.67	0.56	0.73	0.83	0.82	0.83	29.06
3. Transport	1.31	1.18	1.12	1.03	0.96	0.92	-79.58
4. Other sectors	11.82	12.45	13.82	11.86	12.83	11.82	32.59
5. Other	0.15	0.14	0.14	0.14	0.15	0.12	-15.89
B. Fugitive emissions from fuels	2.18	2.08	1.79	1.58	1.64	1.60	267.97
1. Solid fuels	NO	NO	NO	NO	NO	NO	
2. Oil and natural gas and other emissions from energy production	2.18	2.08	1.79	1.58	1.64	1.60	267.97
C. CO2 transport and storage							
2. Industrial processes	0.01	0.00	0.00	0.00	0.00	0.00	-64.40
A. Mineral industry							
B. Chemical industry	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
C. Metal industry	0.00	0.00	0.00	0.00	0.00	0.00	80.21
D. Non-energy products from fuels and solvent use	0.01	0.00	0.00	0.00	0.00	0.00	-65.02
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	99.44	100.72	102.71	101.11	100.46	100.84	-9.83
A. Enteric fermentation	81.29	82.19	84.04	83.13	82.41	82.54	-14.91
B. Manure management	18.06	18.45	18.61	17.91	17.98	18.22	23.87
C. Rice cultivation	NO	NO	NO	NO	NO	NO	
D. Agricultural soils	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	NO, NE	
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	0.08	0.08	0.06	0.07	0.06	0.08	-32.24
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	43.86	41.57	39.23	36.96	36.88	36.89	-40.12
A. Forest land	41.07	38.70	36.33	34.02	33.93	33.92	-43.10
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	
C. Grassland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	
D. Wetlands	2.80	2.86	2.90	2.94	2.95	2.97	49.60
E. Settlements	IE	IE	IE	IE	IE	IE	
F. Other land	NA	NA	NA	NA	NA	NA	
G. Harvested wood products							
H. Other	NA	NA	NA	NA	NA	NA	
5. Waste	101.85	98.13	98.10	94.71	92.80	88.03	-51.89
A. Solid waste disposal	91.43	88.05	87.76	84.23	82.72	78.09	-54.89
B. Biological treatment of solid waste	3.28	3.18	3.30	3.34	3.00	2.98	189.01
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	
D. Waste water treatment and discharge	7.14	6.89	7.03	7.14	7.08	6.96	-21.21
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	218.49	216.27	219.57	212.33	210.67	205.17	-33.79
Total CH4 emissions with CH4 from LULUCF	262.35	257.84	258.80	249.29	247.55	242.05	-34.84
Memo items:							
International bunkers	0.14	0.09	0.09	0.09	0.07	0.16	-2.77
Aviation	0.04	0.03	0.03	0.04	0.04	0.13	380.68
Navigation	0.10	0.06	0.05	0.05	0.03	0.03	-77.40
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 f

[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) FIN_BR2_v2.0

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	1.82	1.82	1.79	1.78	1.88	1.95	1.94	2.06	2.10
A. Fuel combustion (sectoral approach)	1.81	1.81	1.78	1.77	1.87	1.95	1.93	2.06	2.10
1. Energy industries	0.39	0.39	0.42	0.46	0.52	0.60	0.61	0.72	0.71
2. Manufacturing industries and construction	0.57	0.57	0.53	0.48	0.54	0.56	0.55	0.56	0.61
3. Transport	0.55	0.55	0.53	0.52	0.51	0.51	0.50	0.49	0.49
4. Other sectors	0.28	0.28	0.28	0.28	0.27	0.26	0.24	0.25	0.25
5. Other	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
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	5.56	5.56	4.86	4.42	4.61	4.85	4.94	4.94	4.88
A. Mineral industry									
B. Chemical industry	5.34	5.34	4.64	4.20	4.39	4.63	4.72	4.72	4.66
C. Metal industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Non-energy products from fuels and solvent use	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Agriculture	13.56	13.56	12.79	11.83	12.06	12.31	12.88	12.42	12.26
A. Enteric fermentation									
B. Manure management	0.95	0.95	0.89	0.87	0.87	0.88	0.85	0.87	0.90
C. Rice cultivation									
D. Agricultural soils	12.60	12.60	11.90	10.96	11.18	11.43	12.03	11.54	11.36
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	4.24	4.24	4.23	4.20	4.19	4.22	4.21	4.23	4.26
A. Forest land	3.91	3.91	3.90	3.87	3.86	3.89	3.87	3.88	3.91
B. Cropland	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03
C. Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Wetlands	0.24	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.27
E. Settlements	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
F. Other land	NA	NA	NA	NA	NA	NA	NA	NA	NA
G. Harvested wood products									
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Waste	0.33	0.33	0.33	0.33	0.32	0.32	0.34	0.35	0.35
A. Solid waste disposal									
B. Biological treatment of solid waste	0.07	0.07	0.07	0.08	0.09	0.10	0.11	0.12	0.13
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
D. Waste water treatment and discharge	0.27	0.27	0.26	0.24	0.23	0.23	0.23	0.23	0.23
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	21.27	21.27	19.77	18.35	18.86	19.44	20.10	19.77	19.59
Total direct N2O emissions with N2O from LULUCF	25.51	25.51	23.99	22.56	23.05	23.66	24.31	23.99	23.85
Memo items:									
International bunkers	0.09	0.09	0.08	0.09	0.08	0.07	0.06	0.07	0.08
Aviation	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04
Navigation	0.05	0.05	0.05	0.06	0.05	0.04	0.03	0.03	0.03
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	1.42	1.42	1.34	1.27	1.27	1.26	1.16	1.16	1.12
Indirect CO2 (3)									

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

Table 1(c) FIN_BR2_v2.0

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	2.07	2.06	2.00	2.14	2.21	2.31	2.24	1.98	2.19	2.14
A. Fuel combustion (sectoral approach)	2.07	2.06	2.00	2.14	2.20	2.31	2.23	1.98	2.18	2.14
1. Energy industries	0.71	0.70	0.66	0.82	0.95	1.07	1.01	0.82	1.07	1.06
2. Manufacturing industries and construction	0.60	0.61	0.62	0.60	0.56	0.57	0.59	0.55	0.53	0.51
3. Transport	0.48	0.46	0.45	0.43	0.41	0.38	0.36	0.33	0.31	0.30
4. Other sectors	0.25	0.25	0.24	0.25	0.25	0.25	0.25	0.24	0.24	0.23
5. Other	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.03
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	4.66	4.56	4.59	4.34	4.47	4.69	4.97	5.41	4.79	4.91
A. Mineral industry										
B. Chemical industry	4.44	4.34	4.40	4.17	4.30	4.54	4.83	5.24	4.64	4.77
C. Metal industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Non-energy products from fuels and solvent use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	0.22	0.22	0.18	0.17	0.16	0.15	0.14	0.16	0.14	0.13
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Agriculture	11.98	11.73	11.92	11.85	12.01	12.04	12.01	12.06	11.82	11.95
A. Enteric fermentation										
B. Manure management	0.87	0.85	0.85	0.82	0.84	0.85	0.84	0.85	0.85	0.86
C. Rice cultivation										
D. Agricultural soils	11.10	10.87	11.07	11.02	11.16	11.19	11.17	11.21	10.96	11.08
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	4.28	4.28	4.27	4.29	4.28	4.29	4.28	4.26	4.28	4.25
A. Forest land	3.91	3.90	3.91	3.91	3.90	3.90	3.89	3.86	3.87	3.85
B. Cropland	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.03
C. Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
D. Wetlands	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.30
E. Settlements	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
F. Other land	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G. Harvested wood products										
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Waste	0.37	0.37	0.38	0.38	0.38	0.40	0.41	0.44	0.44	0.46
A. Solid waste disposal										
B. Biological treatment of solid waste	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.20	0.21	0.22
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE
D. Waste water treatment and discharge	0.23	0.23	0.23	0.23	0.22	0.23	0.23	0.24	0.24	0.24
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	19.08	18.72	18.89	18.71	19.07	19.44	19.63	19.89	19.23	19.46
Total direct N2O emissions with N2O from LULUCF	23.36	23.00	23.16	23.00	23.35	23.73	23.91	24.15	23.51	23.71
Memo items:										
International bunkers	0.09	0.09	0.10	0.09	0.10	0.10	0.09	0.09	0.10	0.10
Aviation	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.07
Navigation	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04
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	1.05	1.02	0.98	0.98	0.96	1.00	0.94	0.81	0.88	0.83
Indirect CO2 (3)										

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

Table 1(c) FIN_BR2_v2.0

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	2.01	1.87	2.17	2.04	1.95	1.95	7.32
A. Fuel combustion (sectoral approach)	2.01	1.87	2.17	2.03	1.95	1.95	7.29
1. Energy industries	0.99	0.94	1.16	1.08	0.99	0.99	154.87
2. Manufacturing industries and construction	0.48	0.40	0.45	0.44	0.44	0.44	-21.61
3. Transport	0.28	0.26	0.26	0.26	0.26	0.26	-52.96
4. Other sectors	0.23	0.24	0.26	0.22	0.24	0.22	-20.63
5. Other	0.03	0.03	0.03	0.03	0.03	0.03	-9.84
B. Fugitive emissions from fuels	0.00	0.00	0.00	0.00	0.00	0.00	37.44
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	37.44
C. CO2 transport and storage							
2. Industrial processes	5.22	2.66	0.65	0.54	0.64	0.80	-85.58
A. Mineral industry							
B. Chemical industry	5.09	2.56	0.54	0.44	0.54	0.71	-86.74
C. Metal industry	NO	NO	NO	NO	NO	NO	
D. Non-energy products from fuels and solvent use	0.00	0.00	0.00	0.00	0.00	0.00	-65.00
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	0.13	0.10	0.11	0.10	0.10	0.09	-57.40
H. Other	NO	NO	NO	NO	NO	NO	
3. Agriculture	12.18	12.05	12.44	12.21	12.12	12.16	-10.37
A. Enteric fermentation							
B. Manure management	0.86	0.91	0.94	0.93	0.96	0.96	0.24
C. Rice cultivation							
D. Agricultural soils	11.32	11.14	11.50	11.27	11.16	11.20	-11.16
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	0.00	0.00	0.00	0.00	0.00	0.00	-32.24
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	4.29	4.24	4.24	4.22	4.20	4.20	-0.76
A. Forest land	3.87	3.83	3.81	3.79	3.77	3.77	-3.59
B. Cropland	0.04	0.03	0.04	0.04	0.04	0.04	26.79
C. Grassland	0.01	0.01	0.01	0.01	0.01	0.00	28.46
D. Wetlands	0.31	0.31	0.32	0.32	0.32	0.33	36.77
E. Settlements	0.06	0.06	0.06	0.06	0.06	0.06	21.74
F. Other land	NA	NA	NA	NA	NA	NA	
G. Harvested wood products							
H. Other	NA	NA	NA	NA	NA	NA	
5. Waste	0.46	0.44	0.45	0.46	0.45	0.44	33.10
A. Solid waste disposal							
B. Biological treatment of solid waste	0.21	0.20	0.21	0.21	0.19	0.18	179.37
C. Incineration and open burning of waste	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	NO, NE, IE	
D. Waste water treatment and discharge	0.25	0.24	0.24	0.25	0.26	0.26	-3.21
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	19.87	17.02	15.70	15.25	15.16	15.35	-27.85
Total direct N2O emissions with N2O from LULUCF	24.16	21.26	19.95	19.46	19.36	19.55	-23.35
Memo items:							
International bunkers	0.11	0.08	0.09	0.10	0.09	0.07	-26.92
Aviation	0.07	0.07	0.07	0.08	0.08	0.06	36.56
Navigation	0.03	0.02	0.02	0.01	0.01	0.01	-81.50
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	0.76	0.69	0.74	0.69	0.66	0.65	-54.43
Indirect CO2 (3)							

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

[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) FIN_BR2_v2.0

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)	0.23	0.23	0.27	0.31	0.51	5.71	27.32	74.67	150.04
Emissions of HFCs - (kt CO2 equivalent)	0.02	0.02	0.03	0.04	0.19	5.34	26.90	74.19	149.49
HFC-23	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	0.00
HFC-32	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00
HFC-41	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-43-10mee	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-125	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.01
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134a	NO	NO	NO	NO	0.00	0.00	0.01	0.03	0.06
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.01
HFC-152	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-152a	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03
HFC-161	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-227ea	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236cb	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236ea	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236fa	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245ca	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245fa	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-365mfc	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.15
Emissions of PFCs - (kt CO2 equivalent)	0.21	0.21	0.24	0.27	0.31	0.36	0.42	0.48	0.55
CF_4	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO
C_2F_6	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO
C_3F_8	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO
C_4F_{10}	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C_4F_8	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO
C_5F_{12}	NO	NO	NO	NO	NO	NO	NO	NO	NO
C_6F_{14}	NO	NO	NO	NO	NO	NO	NO	NO	NO
C10F18	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C3F6	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of PFCs(4) - (kt CO_2 equivalent)	0.21	0.21	0.24	0.27	0.31	0.36	0.42	0.48	0.55
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Emissions of SF6 - (kt CO2 equivalent)	52.48	52.48	40.16	25.67	19.75	23.86	36.98	54.16	50.11
SF_6	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
NF3	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Table 1(d) FIN_BR2_v2.0

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)	247.71	366.32	572.54	614.80	650.53	654.07	703.04	911.40	929.76	1,160.15
Emissions of HFCs - (kt CO2 equivalent)	247.08	330.63	559.32	592.12	634.02	635.74	688.65	895.42	910.55	1,149.94
HFC-23	0.00	0.00	C, NO	C, NO	C, NO	0.00	C, NO	C, NO	C, NO	0.00
HFC-32	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01
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	0.02	0.02	0.03	0.05	0.05	0.05	0.06	0.07	0.07	0.09
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134a	0.09	0.11	0.21	0.13	0.12	0.12	0.11	0.19	0.19	0.28
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	0.01	0.02	0.03	0.04	0.05	0.05	0.05	0.07	0.07	0.08
HFC-152	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-152a	0.03	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-161	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-227ea	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236cb	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236ea	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236fa	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245ca	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245fa	NO	NO	NO	NO	NO	NO	NO	NO	NO	C, NO
HFC-365mfc	NO	NO	NO	NO	NO	NO	NO	NO	NO	C, NO
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	0.04	2.69	0.17	67.44	73.79	70.87	69.29	84.22	85.97	84.14
Emissions of PFCs - (kt CO2 equivalent)	0.63	35.69	13.23	22.68	16.50	18.32	14.39	15.97	19.21	10.21
CF_4	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO
C_2F_6	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO
C_3F_8	C, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C_4F_{10}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C_4F_8	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	C, 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)	0.63	3.71	0.84	0.96	0.96	1.27	0.77	1.17	1.31	0.65
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)	38.62	30.76	26.06	25.53	25.34	25.57	23.84	22.19	27.56	19.17
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) FIN_BR2_v2.0

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)	1,352.66	1,437.05	1,821.29	1,590.04	1,481.98	1,563.36	676,440.40
Emissions of HFCs - (kt CO2 equivalent)	1,338.79	1,425.56	1,820.34	1,587.90	1,476.51	1,556.94	6,480,418.59
HFC-23	0.00	0.00	0.00	C, NO	C, NO	0.00	
HFC-32	0.02	0.01	0.02	0.02	0.02	0.02	
HFC-41	NO	NO	NO	NO	NO	NO	
HFC-43-10mee	NO	NO	NO	NO	NO	NO	
HFC-125	0.11	0.12	0.16	0.14	0.13	0.13	
HFC-134	NO	NO	NO	NO	NO	NO	
HFC-134a	0.31	0.29	0.37	0.34	0.30	0.35	
HFC-143	NO	NO	NO	NO	NO	NO	
HFC-143a	0.09	0.11	0.14	0.12	0.11	0.12	
HFC-152	NO	NO	NO	NO	NO	NO	
HFC-152a	0.00	0.00	0.00	0.01	0.01	0.01	4,851.17
HFC-161	NO	NO	NO	NO	NO	NO	
HFC-227ea	NO	NO	NO	C, NO	C, NO	C, NO	
HFC-236cb	NO	NO	NO	NO	NO	NO	
HFC-236ea	NO	NO	NO	NO	NO	NO	
HFC-236fa	NO	NO	NO	NO	NO	NO	
HFC-245ca	NO	NO	NO	NO	NO	NO	
HFC-245fa	C, NO	C, NO	0.00	0.00	0.00	0.00	
HFC-365mfc	C, NO	C, NO	C, NO	0.00	0.00	0.00	
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	93.00	90.74	79.70	53.69	68.46	74.35	715,402.21
Emissions of PFCs - (kt CO2 equivalent)	13.88	11.49	0.94	2.15	5.47	6.42	3,000.26
CF_4	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	
C_2F_6	C, NO	C, NO	C, NO	C, NO	C, NO	C, NO	
C_3F_8	0.00	0.00	NO	0.00	0.00	0.00	
C_4F_{10}	NO	NO	NO	NO	NO	NO	
c-C_4F_8	C, NO	C, NO	C, NO	C, NO	C, NO	C, 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)	0.61	1.32	0.94	1.46	1.85	2.91	1,303.24
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	
Emissions of SF6 - (kt CO2 equivalent)	26.66	26.71	21.79	23.67	22.16	30.70	-41.50
SF_6	0.00	0.00	0.00	0.00	0.00	0.00	-41.50
Emissions of NF3 - (kt CO2 equivalent)	NO	NO	NO	NO	NO	NO	
NF3	NO	NO	NO	NO	NO	NO	

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) FIN_BR2_v2.0

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

Party	*Finland*	
Base year /base period	1990	
Emission reduction target[1]	% of base year/base period	% of 1990 [b]
	20.00%	20.00%
Period for reaching target	BY-2020	

[a] Reporting by a developed country Party on the information specified in the common tabular format does not 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) FIN_BR2_v2.0

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		1990
PFCs		1990
SF_6		1990
Other Gases (specify)		
Sectors covered[b]	Energy	Yes
	Transport[f]	Yes
	Industrial processes[g]	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	

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

[a] Reporting by a developed country Party on the information specified in the common tabular format does not 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) FIN_BR2_v2.0

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
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) FIN_BR2_v2.0

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 FIN_BR2_v2.0

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[2]	NA
ERUs[3]	NA
AAUs[i,4]	NA
Carry-over units[j,5]	NA
Other mechanism units under the Convention (specify)[d,6]	

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 FIN_BR2_v2.0

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]

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

[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

[1]EU joint target, Finland's commitments and contribution to the joint target are described in Chapter 3 of the BR

[2]Use of CERs under the ETS Directive and the Effort Sharing Decision is subject to limits specified in Chapter 3 of the BR.

[3]Use of ERUs under the ETS Directive and the Effort Sharing Decision is subject to limits specified in chapter 3 of the BR.

[4]AAUs for the period 2013-2020 have not yet been determined. The EU expects to achieve its 20% target for the period 2013-2020 with the implementation of the ETS Directive and the ESD Decision in the non-ETS sectors, which do not allow the use of AAUs from non-EU Parties (see also Chapter 3 of the BR).

[5]Carry-over of units from the first commitment period of the Kyoto Protocol will be done only in 2016. AAUs carried over cannot be used for the EU target under the Convention.

[6]There are general provisions in place in the EU legislation that allow for the use of such units provided that the necessary legal arrangements for the creation of such units have been put in place in the EU, which is not the case at the point in time of the provision of this report.

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Kyoto mechanisms	Cross-cutting	CH_4, CO_2, HFCs, N_2O, PFCs, SF_6, NF_3	framework policy	Other (Other (Other))	Implemented	Act on the use of the Kyoto mechanisms (109/2007), Decree on Joint Implementation (913/2007), Decree on the Clean Development Mechanism (915/2007). The object is reduction of greenhouse gas emissions, achievement of the emission reduction target of the KP2 and Effort sharing Decision	2005	Ministry of the Employment and the Economy, Ministry of the Environment; Ministry for the Foreign Affairs	NA	NA
Emission trading	Industry/industrial processes, Energy	CO_2, N_2O	Rreduction of GHG emissions	Other (Economic)	Implemented	The object is reduction of greenhouse gas emissions. Please see the accompanying report.	2005	Ministry of the Employment and the Economy	NA	NA
Promoting wind power	Energy	CO_2	Increase in renewable energy	Economic|Fiscal|Regulatory	Implemented	Measures implemented since 1996 include investment subsidies for wind power plants, electricity tax subsidies, feedin tariff (since 2011), information measures, support for land-use planning and adjustment of land use and building act.	1996	Ministry of Employment and the Economy, Ministry of the Environment, regional councils, municipalities	NA	3600
Promoting wood chips	Energy	CO_2	Increase in renewable energy	Other (Fiscal)	Implemented	Measures implemented since 1992 include investment subsidies for heat and power production plants using forest chips, subsidies for harvesting of forest chips, electricity tax subsidies, feed-in tariff and information measures.	1992	Ministry of Employment and the Economy	NA	9675
Promoting biogas in electricity and heat production	Energy, Waste management/waste	CO_2, CH_4	Increase in renewable energy, enhanced CH4 collection and use; improved treatment technologies	Economic|Fiscal|Regulatory	Implemented	Measures implemented since 1997 include investment subsidies, electricity tax subsidies and feed-in tariff.	1997	Ministry of Employment and the Economy, Ministry of the Environment	NA	388
*Promoting biogas in road transportation *	Transport	CO_2, CH_4	low carbon fuels /electric cars	Fiscal	Implemented	Biogas in road transportation is excise duty free.	2011	Ministry of Finance	NA	33
Energy taxation	Energy, Transport, Industry/industrial processes	CO_2	framework policy	Fiscal	Implemented	Energy taxation takes account of the energy content, carbon dioxide emissions and local/particle emissions that have adverse health effects.	2011	Ministry of Finance	NA	NA
Act on Ecodesing and Energy Labelling (1005/2008, amendment 1009/2010)	Energy	CO_2	Efficiency improvement of appliances (in all sectors but transport)	Regulatory	Implemented	Improvement of energy efficiency of energy-using products by minimum efficiency requirements	2009	Ministry of Employment and the Economy	613.2	2555.4

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Energy Audit Programme	Energy	CO_2	Efficiency improvements of buildings. Efficiency improvement in services/tertiary sector. Efficiency improvement in industrial end-use sectors.	Economic	Implemented	Subsidies for energy audits in industry and in public and private services. Harmonised audit models. Qualification system for auditors. Quality control and monitoring of audits. Energy Audit Programme is described in the National Energy Efficiency Actionplans for Energy Efficiency Directive and previous Eneregy Services Directive. Information also found at http://www.motiva.fi/en/areas_of_operation/energy_auditing/mee-supported_energy_auditing	1992	Ministry of Employment and the Economy	618.817288175688	545.165668066525
Energy Efficiency Agreements 2008-2016 and the expected extension until 2035 (Voluntary energy efficiency agreements)	Energy, Industry/industrial processes	CO_2	Efficiency improvements of buildings. Efficiency improvement in services/tertiary sector. Efficiency improvement in industrial end-use sectors. Reduction of losses; efficiency improvement in the energy and transformation sector.	Voluntary Agreement	Implemented	The agreements cover industry, energy sector, municipalities, private services, property and building sector and oil heated buildings. Energy Efficiency Agreements are described in the National Energy Efficiency Actionplan for Energy Efficiency Directive. Information also found at http://www.energiatehokkuussopimukset.fi/en/	1997	Ministry of Employment and the Economy, Ministry of the Environment	7184.30295026762	9127.31276095378
Consumer energy advice	Energy	CO_2	Efficiency improvements of buildings; efficiency improvement of appliances; Reduction of energy consumption in transport.	Information	Implemented	An energy advice infrastructure for consumers has been under construction since 2010. Regional projects are financed to provide advice through local events, personal advice and a national website.	2010	Ministry of Employment and the Economy	NA	NA
Promoting the use of biofuels in the transport sector	Transport	CO_2, CH_4, N_2O	low carbon fuels /electric cars	Other (Fiscal)	Implemented	The annual minimum share of biofuels, measured from the total energy content of petrol, diesel and biofuels delivered for consumption shall be 6% in 2011-2014 and then gradually raised to 20% in 2020. This includes so-called double-counted biofuels so that there is 7,5 % of them in 2020. Biofuels are also promoted through tax subsidies.	2008	Ministry of Employment and Economy / Ministry of Finance	1156	1711
Renewing of the vehicle fleet/passenger cars	Transport	CO_2, CH_4, N_2O	efficiency improvements of vehicles	Regulatory|Fiscal| Information	Implemented	The specific emissions of new cars sold in Finland would be near the EU objective (95 g/km) in 2020; the rate of vehicle fleet renewal would be around 7% (150 000 new cars) a year, 50% of new cars sold will be able to use alternative fuels.	2008/2009	Ministry of Transport and Communications / Ministry of Finance	310	617

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Renewing of the vehicle fleet/vans	Transport	CO_2, CH_4, N_2O	efficiency improvements of vehicles	Regulatory|Fiscal|Information	Implemented	The objective is that new vans sold in Finland would be near the objective (147 CO2 g/km) in 2020.	2011	Ministry of Transport and Communications	27	65
Energy efficiency in the transport sector/professional drivers (goods transport and logistics, bus drivers)	Transport	CO_2, CH_4, N_2O	improved behavior	Other (Regulatory)	Implemented	In Finland there are two two ongoing energy efficiency agreements in the transport sector: one on goods transport and logistics and one on public transport services. The objective is an energy saving of 9% in the operations of companies joining the energy efficiency agreements for goods transport and public transport in 2016 (2020). The number of enterprises joined to the energy efficiency agreements is still small and has not increased as much as hoped for. Therefore the calculations and estimations of emission reductions concern only the influence of training in eco-driving.	2008	Ministry of Transport and Commmunications; e.g. interest groups	NA	87
Energy efficiency in the transport sector/private drivers	Transport	CO_2	improved behavior	Regulatory	Implemented	The training in eco driving for private drivers have been included in basic driver training since 1994 and in the revised two-stage training since 1997.	1994	Minstry of Transport and Communications	NA	72
Influencing modal splits and curbing the growth in the vehicle kilometres	Transport	CO_2, CH_4, N_2O	modal shift to public transport or non-motorized transport; demand management/reduction	Regulatory|Information|Economic|Other (Other)	Implemented	The objective is that in 2020 there will be 100 million more journeys made by public transport and 300 million more on foot or by bicycle than at present, which means an increase of about 20% in the numbers of these journeys.	2009	Ministry of Transport and Communications, municipalities	NA	300
Energy efficiency desing index (EEDI) for new ships, ship energy efficiency management plans (SEEMP)	Transport	CO_2	To save energy and reduce emissions	Regulatory	Adopted	The new IMO regulations set binding energy efficiency targets based on EEDI for new ships and require compilation of SEEMP by ships, the gross tonnage of which is over 400 tonnes	2013	Ministry of Transport and Communications	NA	NA
*Aviation emission trading *	Transport	CO_2	To reduce emissions	Regulatory	Implemented	Aviation is included in EU emissions trading	2013	Ministry of Transport and Communications	NA	NA
Liquefied natural gas and other alternative fuels in the sea traffic*	Transport	CO_2	To increase the use of alternative fuels, including renewable fuels	Regulatory	Planned	The use of alternative fuels in marine transport is promoted. In Finland there are 3-4 LNG-terminals under construction.		Ministry of Employment and Economy	NA	NA
Biofuels in the air traffic	Transport	CO_2	To increse the use of renewable fuels	Other (Other (other))	Planned	We have looked into different ways to promote the use of renewable aviation fuels.		Ministry of Transport and communications	NA	NA
Act on energy certificates for buildings (50/2013), Degree on the energy certificates of buildings (176/2013)	Energy	CO_2	Information dissemination	Information	Implemented	Houseowners are obliged to provide information on energy efficiency	2008	Ministry of the Environment	NA	NA

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Act on inspection of energy efficiency of cooling equipment for building act (489/2007)	Energy	CO_2	Efficiency improvements of buildings	Regulatory	Implemented	Obligation to inspect cooling equipments to keep them energy efficient	2007	Ministry of the Environment	NA	NA
Building regulations (2003,2008, 2010)	Energy	CO_2	Efficiency improvements of buildings	Regulatory	Implemented	Provides minimum standards for new buildings	2010	Ministry of the Environment	955.942268360941	1466.93252536631
Renewed building regulations (2012)	Energy	CO_2	Efficiency improvements of buildings	Regulatory	Implemented	Provides minimum standards for new buildings, switch to full energy based calculation	2012	Ministry of the Environment	100.90509558244	281.273420384594
*Information dissemination and campaigns targeted to residents and other users of buildings	Energy	CO_2	Information dissemination	Information	Implemented	Information campaign + website to guide building users towards energy efficient use	2001	Ministry of the Environment, the dedicated state owned company Motiva	NA	NA
Act (132/1999) and Decree (895/1999) on Land use and Building applied to reduce emissions due to land use and urban form	Energy	CO_2	Demand management/reduction	Other (Other (Other))	Implemented	Application of planning objectives, including national land use objectives, and instruments for climate change mitigation	1999	Ministry of the Environment	NA	NA
Subsidies for energy efficiency in buildings (single houses, residential apartment houses, and row houses)	Energy	CO_2	Efficiency improvements of buildings, increase in renewable energy	Economic	Implemented	Dedicate subsidies for improving energy efficiency and promoting the use of renewable energy	2007	Ministry of the Environment, Ministry of Finance	332.369193160536	332.527454674299
Towards zero-energy buildings	Energy	CO_2	Efficiency improvements of buildings	Other (Information)	Adopted	Te preparation for the regulation and information programme for moving towards nearly zero energy buildings	2018	Ministry of the Environment, A number of companies/businesses/industrial associations	NA	NA
Energy extension "energy expert"-activity	Energy	CO_2	Information dissemination	Information	Implemented	Information campaign and website guiding towards energy efficient use of buildings	2007	The dedicated state owned company Motiva	NA	NA
Revision of the Land Use and Building Act (EV 123/2012 vp - HE 81/2012 vp)*	Energy	CO_2	Efficiency improvements of buildings	Other (Information)	Implemented	Specific provisions demanding energy and resource efficiency in the renovation of buildings, possibility of detailed specification by decree and building regulations	2013	Ministry of the Environment, municipalities	NA	NA

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Ministry of the Environment Decree (4/13) on improving the energy performance of buildings undergoing renovationor alteration	Energy	CO_2	Efficiency improvements of buildings	Regulatory	Implemented	Provides minimum standards for improving energy performance of buildings in renovations and alterations	2013	Ministry of the Environment	102.651098629207	367.174795199342
*Land Use planning *	Energy, Transport, Cross-cutting	CO_2	Demand management/reduction; social benefits and biodiversity benefits	Other (Other (Other))	Implemented	Implementation of the landuse and building act, in particular the national land use objectives	2009	Ministry of the Environment, regional councils, municipalities	NA	NA
Improved regulation of the development of major retail centers	Energy, Transport, Cross-cutting	CO_2	Demand management/reduction; Urban service structure and accessability to retail stores	Other (Other (Other))	Implemented	Strenghtening of available policy instruments in land use and building act to avoid disruptive land use development and increased transportation needs due to construction of retail centres based on private car transportation	2000	Ministry of the Environment, regional councils, municipalities	NA	NA
PAMs related to F-gases in WM scenario (HFC,PFC and SF6)	Industry/industrial processes, Other (Transport)	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases	Other (Information)	Implemented				1379	1839
Government decree (452/2009) on serving equipment containing F-gases	Industry/industrial processes	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases	Regulatory	Implemented	Specific competencies are stipulated and regular monitoring of equipment containing F-gases are ensured		Ministry of the Environment		
Environmental Protection Act/Regulation of F-gases modification 7.11.2008/681	Industry/industrial processes	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases	Regulatory	Implemented	Specific competencies are stipulated and regular monitoring of equipment containing F-gases are ensured	2006	Ministry of the Environment		
Improved enforcement of F-gas regulations	Industry/industrial processes	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases	Other (Information)	Implemented	General instrument for the regulation of F-gases according to the requirements of the relevant EC regulation: (EC) No 842/2006	2008	Ministry of the Environment		
Decree of the ministry of transport and communication 1268/2007 on structure and equipments of road vehicles and trailers	Transport	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases, efficiency improvements of vehicles	Regulatory	Implemented	Implementation of EU regulation to reduce use of F-gases by restricting use of certain F-gases in air-conditioning systems of new passenger cars	2012	2007 Ministry of Transport and communication		
PAM's related to F-gases in WAM scenario (HFCs, PFCs, SF6)*	Industry/industrial processes	HFCs, PFCs, SF_6	reduction of emissions of fluorinated gases.	Other (Information)	Implemented				1	38

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Revision of the Environmental Protection Act and related Government Decree/Regulation of F-gases	Industry/industrial processes	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases; replacement of fluorinated gases by other substances	Regulatory	Planned	Implementation of EU regulation 517/2014	2015	Ministry of the Environment		
Improved enforcement of F-gas regulations	Industry/industrial processes	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases; replacement of fluorinated gases by other substances	Regulatory	Planned	Enhance cost effective compliance monitoring: further support and information for inspectors, targeted information dissemination on new regulation to different groups of stakeholders	2015	Ministry of the Environment, Finnish Environment Institute, Finnish Safety and Chemicals Agency		
A study on the need and feasibility of an economic instrument: tax/fee combined with deposit	Industry/industrial processes	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases; replacement of fluorinated gases by other substances	Other (Information)	Planned	Mandatory registry used to collect fees/taxes for F-gases	2015	Ministry of the Environment, Finnish Environment Institute, Finnish Safety and Chemicals Agency		
Regulations 517/2014/EU (repealing Regulation (EC) No 842/2006)	Industry/industrial processes	HFCs, PFCs, SF_6	Reduction of emissions of fluorinated gases; replacement of fluorinated gases by other substances	Regulatory	Implemented	Phase-down schedule on placing on the market of HFCs, enhanced leackage prevention and bans on certain equipment	2015	Ministry of the Environment		
Aggregated all PAMs /WASTE (WM)	Waste management/waste	CH_4, N_2O	Demand management/reduction; enhanced recycling; enhanced CH4 collection and use; improved treatment technologies; improved landfill management; waste incineration with energy use; improved wastewater management systems; reduced landfilling;	Regulatory|Information|Fiscal|Economic	Implemented	General bundle of measures directed to improve waste management	1997-2016	Ministry of the Environment	2,384.00	2,870.00
Government decision on packing waste 962/1997, 1025/2000, 987/2004, 817/2005	Waste management/waste	CO_2, CH_4	Demand management/reduction; enhanced recycling; waste incineration with energy use; reduced landfilling.	Other (Economic)	Implemented	The key actor is the Environmental Register of Packaging PYR Ltd, which is a non-profit firm, operating in conjunction with producer organisations in the packaging sector. It helps firms registered with PYR and the authorities to fulfil packaging recovery obligations economically and easily.	1997	Ministry of the Environment		

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Government decree on Landfills (861/1997), revised 2006), Biowaste strategy (2004)	Waste management/waste	CH_4	Demand management/reduction; enhanced recycling; reduced landfilling; Enhanced CH4 collection and use; improved treatment technologies	Regulatory	Implemented	Regulation on biodegradable waste	1997	Ministry of the Environment		
General reform of waste legislation; Act on Waste (646/2011); Decree on Waste (179/2012); Wsate tax Act (1126/2010)	Waste management/waste	CO_2, CH_4	Demand management/reduction; enhanced recycling; enhanced CH4 collection and use; improved treatment technologies; improved landfill management; waste incineration with energy use; reduced landfilling	Regulatory|Economic|Information|Other (Other)	Implemented	General reform has entered into force	2012	Ministry of the Environment		
New Decree on Landfills (331/2013)	Waste management/waste	CH_4	Improved landfill management; reduced landfilling.	Regulatory	Implemented	Regulation on landfills to be adopted setting quantitative limits on amount and proportion of organic waste in land fill waste. Implementing and going beyond landfill directive.	2016	Ministry of the Environment		
Nitrates Directive (1991/676/EC)	Agriculture	N_2O	reduction of fertilizer/manure use on cropland, improved animal waste management systems	Regulatory	Implemented	Decreases greenhouse gas emissions and the use of mineral fertilisers.	2014	Ministry of Agriculture and Forestry	NA	NA
Common rules for direct support schemes under CAP	Agriculture	CH_4, N_2O	30 per cent of the direct payments are tied to the so-called greening measures. There are three greening measures that the farmers must implement in their eligible area. Greening measures are: crop diversification, maintenance of permanent grassland and ecological focus area.	Other (Regulatory)	Implemented	Decreases greenhouse gas emissions.	2015	Ministry of Agriculture and Forestry	NA	NA

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
The Rural Development Programme for Mainland Finland 2014-2020 was approved by the Commission in December 2014	Agriculture	CH_4, N_2O	Environment payment for injection of slurry, recycling of nutrients and organic matter, environment management of grassland, plant cover on arable land in winter and use of organic mulch for horticulture crops and seed potato to increase the amount of carbon in arable soil. Agricultural investment aid may be targeted to controlled subsurface drainage and more efficient handling, storage and use of manure.	Other (Regulatory)	Implemented	Decrease greenhouse gas emissions	2014	Ministry of Agriculture and Forestry	NA	NA
Climate Programme for Finnish Agriculture - Steps Towards Climate Friendly Food	Agriculture, Forestry/LULUCF, Cross-cutting	CO_2, CH_4, N_2O	Reduction of fertilizer/manure use on cropland; other activities improving cropland management, improved livestock management, improved animal waste management systems; activities improving grazing land or grassland management, improved management of organic soils,	Other (Regulatory)	Implemented	The Climate Programme for Finnish Agriculture presents a total of 76 measures to facilitate the adaptation of food production and consumption to climate change and/ or to mitigate the change. The selection of the measures was based on the most recent scientific research results and views of various experts involved in the food system. By implementing the measures put forward in the programme we will achieve more climate friendly food production and consumption. e will achieve more climate friendly food production and consumption.	2014	Ministry of Agriculture and Forestry	NA	NA
*Biomass boiler houses in farns *	Energy	CO_2	Energy consumption in agriculture	Economic	Implemented	Support to fuel conversion from oil to biomass	1996	Ministry of Agriculture and Forestry	535.00	656.00
Fresh grain silos	Energy	CO_2	Energy consumption in agriculture	Economic	Implemented	Support to gresh grain silos (drying of grain avoided)	2008	Ministry of Agriculture and Forestry	4.00	9.00
Energy efficiency of unheated cattle buildings and heat recovery in pig farms	Energy	CO_2	Energy consumption in agriculture		Implemented	Support to investments to unheated cattle buildings and heat recovery from pig slurr	2008	Ministry of Agriculture and Forestry	2.00	5.00
*Farm reparcelling	Energy	CO_2	Energy consumption in agriculture	Economic	Implemented	Support to farm reparcelling leading to reduced farm traffic	1995	Ministry of Agriculture and Forestry	69.00	88.00

Table 3 FIN_BR2_v2.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*	
									2015	*2020*
Farm Energy Programme and energy advice to farms	Energy	CO_2	Energy consumption in agriculture	Other (Economic)	Implemented	Voluntary agreement for energy efficiency and promotion of renewables. Subsidies for the preparation of farm energy plans.	2010	Ministry of Agriculture and Forestry	3.00	10.80
National Forest Strategy 2025	Forestry/LULUCF, Energy, Cross-cutting	CO_2, CH_4, N_2O	Increase in renewable energy; switch to less carbon-intensive fuels; afforestation and reforestation; conservation of carbon in existing forests, enhancing production in existing forests, increasing the harvested wood products pool, enhanced forest management, strengthening adaptation and protection against natural disturbances, substitution of GHG intensive feedstocks and materials with harvested wood products	Economic|Regulatory|Fiscal	Implemented	Main objectives are operationalized through 11 strategic projects	2015	Ministry of Agriculture and Forestry	NA	NA

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

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

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

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

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

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

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

[f] Optional year or years deemed relevant by the Party.

Custom Footnotes

Table 4 FIN_BR2_v2.0

Reporting on progress[a, b]

	Total emissions excluding LULUCF[1]	*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)	71,327.50	NA	NA	NA	NA	NA
2010	75,803.23	NA	NA	NA	NA	NA
2011	68,131.57	NA	NA	NA	NA	NA
2012	62,449.07	NA	NA	NA	NA	NA
2013	63,069.30	NA	NA	NA		
2014	60,100.00	NA	NA	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

[1]Emissions for 2014 are based on preliminary data.

Table 4(a)I FIN_BR2_v2.0

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					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other [g]					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other [g]					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other [g]					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other [g]					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other [g]					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other [g]					
Harvested wood products					

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

[a] Reporting by a developed country Party on the information specified in the common tabular format does not 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

This table is not filled in because the EU joint target does not include the LULUCF sector

Table 4(a)I FIN_BR2_v2.0

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					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other [g]					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other [g]					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other [g]					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other [g]					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other [g]					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other [g]					
Harvested wood products					

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

[a] Reporting by a developed country Party on the information specified in the common tabular format does not 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

This table is not filled in because the EU joint target does not include the LULUCF sector

Table 4(b) FIN_BR2_v2.0

Reporting on progress[a, b, c]

Units of market based mechanisms			*Year*	
			2013	*2014*
Kyoto Protocol units[d]	*Kyoto Protocol units*	*(number of units)*	NA[1]	NA[2]
		(kt CO_2 eq)	NA	NA
	AAUs	*(number of units)*	NA	NA
		(kt CO2 eq)	NA	NA
	ERUs	*(number of units)*	NA	NA
		(kt CO2 eq)	NA	NA
	CERs	*(number of units)*	NA	NA
		(kt CO2 eq)	NA	NA
	tCERs	*(number of units)*	NA	NA
		(kt CO2 eq)	NA	NA
	lCERs	*(number of units)*	NA	NA
		(kt CO2 eq)	NA	NA
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)*	NA	NA
		(kt CO_2 eq)	NA	NA

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

[1]Information on use of units from mechanisms for meeting Finland's part of the EU joint target in 2013 will be available at the earliest in 2016;

[2]Information on use of units from mechanisms for meeting Finland's part of the EU joint target will be available at the earliest in 2016;

Table 5 FIN_BR2_v2.0

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	2013	2015	2020	2025	2030
Population	*Million inhabitants*	5.00	5.12	5.18	5.26	5.38	5.40	5.43	5.45	5.50	5.63	5.75	5.85
Value added, gross at basic prices	Million EUR, 2000 prices	93,000.00	92,000.00	119,000.00	134,000.00	139,000.00	142,000.00	139,000.00	137,000.00	138,000.00	151,000.00	164,000.00	179,000.00
GDP growth rate Agriculture and forestry	%	9.70	-1.60	8.50	4.50	0.50	4.40	-2.50	8.00	0.60	2.00	2.20	2.20
GDP growth rate extractive Industry	%	1.40	3.50	-21.90	-10.40	20.90	-1.40	6.50	-18.50	0.00	7.00	2.70	2.70
GDP growth rate manufacturing Industry	%	-0.30	7.10	14.20	3.80	7.70	-0.10	-11.50	0.40	0.90	2.00	1.70	1.60
GDP growth rate Forest industry	%	-1.60	-0.40	4.50	-10.40	41.10	-4.40	-0.20	4.50	1.00	1.30	0.70	0.90
GDP growth rate Chemical Industry	%	2.10	1.50	9.00	-11.70	2.70	18.60	-9.80	7.70	5.70	3.00	0.70	0.50
GDP growth rate Metal industry	%	0.90	16.50	23.30	12.40	5.20	-4.20	-16.70	0.90	7.00	2.30	0.30	0.10
GDP growth rate Electricity, gas and water supply	%	2.00	-3.00	1.20	1.40	2.60	-3.00	7.00	-3.40	3.80	2.00	2.50	2.80
GDP growth rate Construction	%	-1.20	-10.40	0.50	4.90	9.90	1.20	-5.30	-2.60	-1.20	1.30	1.40	1.40
GDP growth rate services	%	1.70	5.00	3.70	1.90	1.10	2.80	0.60	-1.80	0.90	1.70	1.70	1.70
Primary energy	TWh	317.00	334.00	365.44	379.88	406.46	386.21	381.23	381.43	386.00	426.00	430.00	411.00
Electricity consumption	TWh	62.00	69.00	79.00	85.00	88.00	84.00	85.00	84.00	86.00	93.00	96.00	98.00
District hest consumption	TWh	22.00	25.00	26.27	29.77	37.09	32.39	35.28	33.22	31.00	32.00	29.00	27.00
New building, residential buildings	% of existing stock	NA	NA	NA	NA	NA	NA	NA	NA	1.10	1.10	1.10	1.10
New building, service and commercial buildings	% of existing stock	NA	NA	NA	NA	NA	NA	NA	NA	1.60	1.60	1.50	1.50
Building stock loss	% of existing stock	NA	NA	NA	NA	NA	NA	NA	NA	0.90	0.90	0.90	0.80
F gases: Medium and large commercial refigeration systems, WM scenario - share of natural refiregants from the annually installed amount of refigerants	%	NA	NA	NA	1.00	2.00	5.00	8.00	10.00	16.00	30.00	30.00	30.00
F gases: Medium and large commercial refigeration systems, WAM scenario- share of natural refigerants from the annually installed amount of refigerants	%	NA	NA	NA	1.00	2.00	5.00	8.00	10.00	16.00	53.00	90.00	90.00
Number of cattle	Number of animals	1,359,700.00	1,147,900.00	1,056,596.00	958,925.00	925,808.00	914,053.00	912,768.00	911,847.00	824,826.00	8,482,320.00	834,460.00	820,723.00
Number of swine	number of animals	1,381,400.00	1,400,200.00	1,296,100.00	1,401,100.00	1,366,932.00	1,335,114.00	1,290,295.00	1,300,385.00	1,077,533.00	864,228.00	863,848.00	867,752.00
Number of horses	number of animals	45,400.00	49,940.00	57,400.00	63,770.00	72,300.00	75,500.00	75,400.00	75,000.00	72,300.00	72,300.00	77,150.00	82,000.00
Number of poultry	number of animals	9,662,500.00	10,357,700.00	12,569,500.00	10,538,139.00	9,586,815.00	10,235,681.00	10,760,579.00	11,980,555.00	9,089,557.00	8,775,197.00	8,801,318.00	8,827,439.00
N sold in syntetic fertilizer	t N	228,470.00	195,460.00	167,276.00	149,562.00	156,523.00	146,189.00	138,900.00	138,136.00	178,340.27	166,991.04	154,992.80	143,250.39
N in manure applied to soils	t N	65,493.04	61,889.97	64,243.69	67,903.87	69,535.59	68,623.31	68,700.00	69,231.16	67,486.69	62,569.88	74,276.87	64,253.26
Area of cultivated organic soils	ha	295,211.00	278,700.00	277,907.00	298,216.00	308,458.00	309,611.00	311,457.00	312,927.00	315,527.00	322,027.00	328,527.00	335,027.00
Landfill gas recovery (other than industrial waste)	%	0.00	2.00	12.60	35.00	32.70	33.70	32.30	33.80	37.00	37.50	38.00	38.50
Solid waste disposal	ktonnes	2,400.00	1,682.00	1,602.00	1,462.00	1,095.00	1,033.00	885.00	685.00	429.00	64.00	67.00	69.00

[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) FIN_BR2_v2.0

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	1995	2000	2005	2010	2013	2020	2030
Sector[d,e]									
Energy	41,485.01	41,485.01	44,034.85	41,805.81	40,661.71	47,324.83	36,259.72	38,359.10	25,849.43
Transport	12,101.28	12,101.28	11,337.30	12,127.26	12,948.06	12,718.29	12,098.79	11,744.72	10,459.52
Industry/industrial processes	5,350.83	5,350.83	4,894.33	5,799.88	6,564.42	6,557.65	5,960.45	5,857.56	6,114.40
Agriculture	7,455.57	7,455.57	6,758.54	6,403.44	6,354.54	6,521.27	6,337.75	6,349.47	6,369.07
Forestry/LULUCF	-15,798.84	-15,798.84	-15,477.06	-24,524.54	-29,646.65	-26,678.83	-20,379.72	-10,100.00	-6,400.00
Waste management/waste	4,673.24	4,673.24	4,598.47	3,853.82	2,905.00	2,585.24	2,332.18	1,475.81	984.98
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	38,326.15	38,326.15	39,909.29	29,952.74	24,683.80	34,771.74	29,137.20	43,665.67	34,269.51
CO_2 emissions excluding net CO_2 from LULUCF[1]	56,927.55	56,927.55	58,098.75	57,101.25	56,808.52	63,694.97	51,692.01	53,765.67	40,369.51
CH_4 emissions including CH_4 from LULUCF	9,286.73	9,286.73	8,927.61	8,012.11	6,870.84	6,469.93	6,051.33	3,968.50	3,420.57
CH_4 emissions excluding CH_4 from LULUCF	7,746.71	7,746.71	7,471.26	6,661.76	5,661.46	5,489.28	5,129.17	3,968.50	3,420.57
N_2O emissions including N_2O from LULUCF	7,601.50	7,601.50	7,245.24	6,902.23	7,195.32	5,943.71	5,826.58	5,209.25	5,237.02
N_2O emissions excluding N_2O from LULUCF	6,338.95	6,338.95	5,989.20	5,628.61	5,926.62	4,679.95	4,573.66	5,209.25	5,237.02
HFCs	0.02	0.02	26.90	559.32	895.42	1,820.34	1,556.94	811.13	718.19
PFCs	0.21	0.21	0.42	13.23	15.97	0.94	6.42	6.47	6.47
SF_6	52.48	52.48	36.98	26.06	22.19	21.79	30.70	25.64	25.64
Other (specify)									
Total with LULUCF[f]	55,267.09	55,267.09	56,146.44	45,465.69	39,683.54	49,028.45	42,609.17	53,686.66	43,677.40
Total without LULUCF	71,065.92	71,065.92	71,623.51	69,990.23	69,330.18	75,707.27	62,988.90	63,786.66	49,777.40

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.

Table 6(a) FIN_BR2_v2.0

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	1995	2000	2005	2010	2013	2020	2030

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

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

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

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

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

Custom Footnotes

Indirect CO2 emissions are not included in the total emissions presented in table.

Table 6(c) FIN_BR2_v2.0

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	1995	2000	2005	2010	2013	2020	2030
Sector[d,e]									
Energy	41,485.01	41,485.01	44,034.85	41,805.81	40,661.71	47,324.83	36,259.72	38,359.10	25,849.43
Transport	12,101.28	12,101.28	11,337.30	12,127.26	12,948.06	12,718.29	12,098.79	11,744.72	10,459.52
Industry/industrial processes	5,350.83	5,350.83	4,894.33	5,799.88	6,564.42	6,557.65	5,960.45	5,819.12	5,750.82
Agriculture	7,455.57	7,455.57	6,758.54	6,403.44	6,354.54	6,521.27	6,337.75	6,208.92	6,213.70
Forestry/LULUCF	-15,798.84	-15,798.84	-15,477.06	-24,524.54	-29,646.65	-26,678.83	-20,379.72	-10,100.00	-6,400.00
Waste management/waste	4,673.24	4,673.24	4,598.47	3,853.82	2,905.00	2,585.24	2,332.18	1,475.81	984.98
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	38,326.15	38,326.15	39,909.29	29,952.74	24,683.80	34,771.74	29,137.20	43,665.67	34,269.51
CO_2 emissions excluding net CO_2 from LULUCF	56,927.55	56,927.55	58,098.75	57,101.25	56,808.52	63,694.97	51,692.01	53,765.67	40,369.51
CH_4 emissions including CH_4 from LULUCF	9,286.73	9,286.73	8,927.61	8,012.11	6,870.84	6,469.93	6,051.33	3,915.26	3,354.93
CH_4 emissions excluding CH_4 from LULUCF	7,746.71	7,746.71	7,471.26	6,661.76	5,661.46	5,489.28	5,129.17	3,915.26	3,354.93
N_2O emissions including N_2O from LULUCF	7,601.50	7,601.50	7,245.24	6,902.23	7,195.32	5,943.71	5,826.58	5,121.93	5,147.28
N_2O emissions excluding N_2O from LULUCF	6,338.95	6,338.95	5,989.20	5,628.61	5,926.62	4,679.95	4,573.66	5,121.93	5,147.28
HFCs	0.02	0.02	26.90	559.32	895.42	1,820.34	1,556.94	772.69	354.61
PFCs	0.21	0.21	0.42	13.23	15.97	0.94	6.42	6.47	6.47
SF_6	52.48	52.48	36.98	26.06	22.19	21.79	30.70	25.64	25.64
Other (specify)									
Total with LULUCF[f]	55,267.09	55,267.09	56,146.44	45,465.69	39,683.54	49,028.45	42,609.17	53,507.66	43,158.44
Total without LULUCF	71,065.92	71,065.92	71,623.51	69,990.23	69,330.18	75,707.27	62,988.90	63,607.66	49,258.44

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.

Table 6(c) FIN_BR2_v2.0

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	1995	2000	2005	2010	2013	2020	2030

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

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

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

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

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

Table 7 FIN_BR2_v2.0

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:	389,119,602.60	4,798,535.00	7,736,978.00	49,480,409.87		512,902,893.52	6,372,556.44	10,266,336.34	65,153,172.60	
Multilateral climate change funds[g]	21,166,978.00	4,448,535.00	7,516,978.00			28,110,196.55	5,907,749.00	9,982,706.51		
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks	270,213,148.11	350,000.00		39,092,534.65		357,522,995.83	464,807.44		51,651,777.50	
Specialized United Nations bodies	97,739,476.49		220,000.00	10,387,875.22		127,269,701.14		283,629.83	13,501,395.10	
Total contributions through bilateral, regional and other channels		7,764,969.73	3,387,954.89	20,582,588.43			10,312,044.85	4,499,276.04	27,334,114.74	
Total	389,119,602.60	12,563,504.73	11,124,932.89	70,062,998.30		512,902,893.52	16,684,601.29	14,765,612.38	92,487,287.34	

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

1) OECD/DAC exchange rates for 2013 and 2014 are used to calculate USD amount.

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: See section 6.1 Provision of new and additional financial resources

Table 7 FIN_BR2_v2.0

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:	507,945,143.59	6,837,000.00	14,000,000.00	50,907,921.69		673,935,443.27	9,071,248.51	18,575,029.85	67,544,011.81	
Multilateral climate change funds[g]	36,025,000.00	6,167,000.00	14,000,000.00			47,797,532.17	8,182,300.65	18,575,029.85		
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks	197,735,059.59	670,000.00		29,834,694.61		262,352,473.93	888,947.86		39,584,310.23	
Specialized United Nations bodies	274,185,084.00			21,073,227.08		363,785,437.17			27,959,701.58	
Total contributions through bilateral, regional and other channels		24,020,057.81	10,260,341.14	10,146,203.91			31,869,520.78	13,613,295.94	13,461,860.03	
Total	507,945,143.59	30,857,057.81	24,260,341.14	61,054,125.60		673,935,443.27	40,940,769.29	32,188,325.79	81,005,871.84	

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

1) OECD/DAC exchange rates for 2013 and 2014 are used to calculate USD amount.

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: See section 6.1 Provision of new and additional financial resources

Table 7(a) FIN_BR2_v2.0

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	389,119,602.60	512,902,893.52	62,015,922.87	81,792,065.38					
Multilateral climate change funds [g]	21,166,978.00	28,110,196.55	11,965,513.00	15,890,455.51					
1. Global Environment Facility	13,650,000.00	18,127,490.04	4,448,535.00	5,907,749.00	Provided	ODA	Grant	Mitigation	Cross-cutting
2. Least Developed Countries Fund	5,616,978.00	7,459,466.14	5,616,978.00	7,459,466.14	Provided	ODA	Grant	Adaptation	Cross-cutting
3. Special Climate Change Fund	1,900,000.00	2,523,240.37	1,900,000.00	2,523,240.37	Provided	ODA	Grant	Adaptation	Cross-cutting
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	270,213,148.11	357,522,995.83	39,442,534.65	52,116,584.94					
1. World Bank	152,753,638.55	202,860,077.76	20,020,300.20	26,587,384.06	Provided	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank	72,666,243.78	96,502,315.78	12,140,250.85	16,122,511.09	Provided	ODA	Grant	Cross-cutting	Cross-cutting
4. Asian Development Bank	8,778,637.84	11,658,217.58	435,786.77	578,734.09	Provided	ODA	Grant	Cross-cutting	Cross-cutting
5. European Bank for Reconstruction and Development	1,700,000.00	2,257,636.12	350,000.00	464,807.44	Provided	ODA	Grant	Mitigation	Cross-cutting
6. Inter-American Development Bank	3,246,528.40	4,311,458.70	311,215.33	413,300.57	Provided	ODA	Grant	Cross-cutting	Cross-cutting
7. Other	31,068,099.54	39,933,289.89	6,184,981.50	7,949,847.69					
UNSPECIFIED INTERNATIONAL NGO	12,872,793.30	16,546,006.81	760,000.00	976,863.75	Provided	ODA	Grant	Cross-cutting	Cross-cutting
International Institute for Sustainable Development	70,000.00	89,974.29	14,000.00	17,994.86	Provided	ODA	Grant	Cross-cutting	Cross-cutting
International Union for the Conservation of Nature	1,772,745.00	2,278,592.54	1,360,000.00	1,748,071.98	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Consultative Group on International Agricultural Research	5,049,561.24	6,490,438.61	1,119,824.50	1,439,363.11	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Other multilateral	7,832,000.00	10,066,838.05	616,000.00	791,773.78	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Nordic Development Fund	3,471,000.00	4,461,439.59	2,315,157.00	2,975,780.21	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Specialized United Nations bodies	97,739,476.49	127,269,701.14	10,607,875.22	13,785,024.93					
1. United Nations Development Programme	31,030,055.08	41,208,572.48	1,502,500.00	1,995,351.93					
UNDP	31,030,055.08	41,208,572.48	1,502,500.00	1,995,351.93	Provided	ODA	Grant	Cross-cutting	Cross-cutting
2. United Nations Environment Programme	7,213,637.00	9,579,863.21	1,997,750.00	2,653,054.45					
UNEP	7,213,637.00	9,579,863.21	1,997,750.00	2,653,054.45	Provided	ODA	Grant	Cross-cutting	Cross-cutting
3. Other	59,495,784.41	76,481,265.45	7,107,625.22	9,136,618.55					
Convention to Combat Desertification	42,805.00	55,019.28	8,561.00	11,003.86	Provided	ODA	Grant	Cross-cutting	Cross-cutting
United Nations Children's Fund	33,156,810.10	42,618,007.84	200,000.00	257,069.41	Provided	ODA	Grant	Adaptation	Cross-cutting
United Nations Volunteers	44,572.19	57,290.73	4,457.22	5,729.07	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Food and Agricultural Organisation	10,112,849.42	12,998,521.11	6,365,900.00	8,182,390.75	Provided	ODA	Grant	Cross-cutting	Cross-cutting
United Nations International Strategy for Disaster Reduction	200,000.00	265,604.25	20,000.00	26,560.42	Provided	ODA	Grant	Adaptation	Cross-cutting
United Nations (UN)	15,938,747.70	20,486,822.24	508,707.00	653,865.04	Provided	ODA	Grant	Cross-cutting	Cross-cutting

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

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

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

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

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

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

[f] Please specify.

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

Custom Footnotes

1) OECD/DAC exchange rates for 2013 and 2014 are used to calculate USD amount.

2) Some methodological changes between tables for 2013 and 2014 (e.g. INGOs were moved from 7a to 7b in 2014 following the DAC classifications).

Table 7(a) FIN_BR2_v2.0

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	507,945,143.59	673,935,443.27	71,744,921.69	95,190,290.17					
Multilateral climate change funds [g]	36,025,000.00	47,797,532.17	20,167,000.00	26,757,330.50					
1. Global Environment Facility	22,025,000.00	29,222,502.32	6,167,000.00	8,182,300.65	Provided	ODA	Grant	Mitigation	Cross-cutting
2. Least Developed Countries Fund	6,000,000.00	7,960,727.08	6,000,000.00	7,960,727.08	Provided	ODA	Grant	Adaptation	Cross-cutting
3. Special Climate Change Fund	2,900,000.00	3,847,684.76	2,900,000.00	3,847,684.76	Provided	ODA	Grant	Adaptation	Cross-cutting
4. Adaptation Fund	5,000,000.00	6,633,939.23	5,000,000.00	6,633,939.23	Provided	ODA	Grant	Adaptation	Cross-cutting
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities	100,000.00	132,678.78	100,000.00	132,678.78	Provided	ODA	Grant	Adaptation	Cross-cutting
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks	197,735,059.59	262,352,473.93	30,504,694.61	40,473,258.09					
1. World Bank	116,815,254.14	154,989,059.49	13,976,020.09	18,543,213.60	Provided	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank	63,109,638.38	83,733,101.21	10,598,255.50	14,061,636.60	Provided	ODA	Grant	Cross-cutting	Other (Other)
4. Asian Development Bank	10,151,465.46	13,468,841.00	1,566,263.78	2,078,099.75	Provided	ODA	Grant	Cross-cutting	Cross-cutting
5. European Bank for Reconstruction and Development	2,700,000.00	3,582,327.19	670,000.00	888,947.86	Provided	ODA	Grant	Mitigation	Cross-cutting
6. Inter-American Development Bank	1,487,701.61	1,973,864.42	223,155.24	296,079.66	Provided	ODA	Grant	Cross-cutting	Other (Other)
7. Other	3,471,000.00	4,605,280.62	3,471,000.00	4,605,280.62					
Nordic Development Fund	3,471,000.00	4,605,280.62	3,471,000.00	4,605,280.62	Provided	ODA	Grant	Cross-cutting	Other (Other)
Specialized United Nations bodies	274,185,084.00	363,785,437.17	21,073,227.08	27,959,701.58					
1. United Nations Development Programme	43,704,171.43	57,986,163.50	3,127,500.00	4,149,528.99					
UNDP	43,704,171.43	57,986,163.50	3,127,500.00	4,149,528.99	Provided	ODA	Grant	Cross-cutting	Cross-cutting
2. United Nations Environment Programme	6,724,427.00	8,921,888.02	1,200,000.00	1,592,145.42					
UNEP	6,724,427.00	8,921,888.02	1,200,000.00	1,592,145.42	Provided	ODA	Grant	Cross-cutting	Cross-cutting
3. Other	223,756,485.57	296,877,385.65	16,745,727.08	22,218,027.17					
Food and Agricultural Organisation	5,014,586.22	6,653,292.05	1,337,500.00	1,774,578.74	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Consultative Group on International Agricultural Research	9,750,000.00	12,936,181.50	4,400,000.00	5,837,866.53	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Other multilateral	208,991,899.35	277,287,912.10	11,008,227.08	14,605,581.90	Provided	ODA	Grant	Cross-cutting	Cross-cutting

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

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

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[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

1) OECD/DAC exchange rates for 2013 and 2014 are used to calculate USD amount.

2) Some methodological changes between tables for 2013 and 2014 (e.g. INGOs were moved from 7a to 7b in 2014 following the DAC classifications).

Table 7(b) FIN_BR2_v2.0

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	31,735,513.05	42,145,435.63						
/ Asia, regional / Energy and Environment Partnership Programme with the Mekong Region	2,280,426.28	3,028,454.56	Provided	ODA	Grant	Mitigation	Energy	
/ Africa, regional / ODA equity through Finnfund	1,784,330.80	2,369,629.22	Provided	ODA	Equity	Cross-cutting	Forestry	
/ South America, regional / Andean Regional Energy and Environment Partnership (EEP)	1,423,481.73	1,890,413.98	Provided	ODA	Grant	Cross-cutting	Energy	
/ North & Central America, regional / Energy and environment partnership with Central America	1,948,056.83	2,587,060.86	Provided	ODA	Grant	Mitigation	Energy	
/ Asia, regional / ODA equity through Finnfund	1,217,924.40	1,617,429.48	Provided	ODA	Equity	Cross-cutting	Forestry	
/ Indonesia / Indonesia Energy and Environment Partnership	1,056,193.20	1,402,647.07	Provided	ODA	Grant	Mitigation	Energy	
Africa / South of Sahara, regional / Energy and Environment Partnership in Southern and East Africa	955,260.44	1,268,606.16	Provided	ODA	Grant	Mitigation	Energy	
/ Sudan / Integrated watershed management project in Sudan	923,688.45	1,226,677.89	Provided	ODA	Grant	Adaptation	Water and sanitation	
/ Bilateral, unspecified / ODA equity through Finnfund	887,000.00	1,177,954.85	Provided	ODA	Equity	Cross-cutting	Forestry	
/ South America, regional / Andean Regional hydrometeorological programme	861,761.04	1,144,436.97	Provided	ODA	Grant	Adaptation	Other (Capacity building)	
/ Laos / Strengthening Environmental Management Lao PDR	852,343.16	1,131,929.82	Provided	ODA	Grant	Cross-cutting	Other (Capacity building)	

Table 7(b) FIN_BR2_v2.0

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*						
/ Zambia / Integrated land use Assessment (ILUA) II	810,000.00	1,075,697.21	Provided	ODA	Grant	Cross-cutting	Forestry	
/ Africa, regional / ODA equity through Finnfund	651,518.00	865,229.75	Provided	ODA	Equity	Cross-cutting	Cross-cutting	
/ Asia, regional / Support to the Mekong River Commission	600,000.00	796,812.75	Provided	ODA	Grant	Cross-cutting	Other (Capacity building)	
/ Bilateral, unspecified / ODA equity through Finnfund	551,719.00	732,694.56	Provided	ODA	Equity	Adaptation	Cross-cutting	
/ South Africa / ODA equity through Finnfund	514,586.40	683,381.67	Provided	ODA	Equity	Adaptation	Agriculture	
/ America, regional / Andean Regional Forestry Partnership	504,702.11	670,255.12	Provided	ODA	Grant	Cross-cutting	Forestry	
/ Indonesia / ODA equity through Finnfund	489,605.30	650,206.25	Provided	ODA	Equity	Mitigation	Agriculture	
/ Sri Lanka / Solar Energy Project in Sri Lanka	421,834.57	560,205.27	Provided	ODA	Other (INTEREST SUBSIDY)	Mitigation	Energy	
/ Nepal / NGO Support / Integrated river basin management at Koshi River	414,794.25	550,855.58	Provided	ODA	Grant	Cross-cutting	Other (Capacity building)	
United Republic of Tanzania / ODA loan through Finnfund	401,907.20	533,741.30	Provided	ODA	Equity	Cross-cutting	Forestry	
/ Bilateral, unspecified / Academy of Finland, Development Research	329,077.51	437,021.93	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
/ Kenya / Support to Forestry Sector	313,593.11	416,458.31	Provided	ODA	Grant	Mitigation	Forestry	
/ Bilateral, unspecified / Power generation/renewable sources	300,000.00	398,406.37	Provided	ODA	Grant	Mitigation	Energy	

Table 7(b) FIN_BR2_v2.0

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*						
Africa / South of Sahara, regional / EAC Lake Victoria Basin Commission Trust Fund	280,000.00	371,845.95	Provided	ODA	Grant	Adaptation	Other (Capacity building)	
/ Asia, regional / Mekong Regional Water Dialogue Phase II	270,000.00	358,565.74	Provided	ODA	Grant	Cross-cutting	Other (Capacity building)	
United Republic of Tanzania / Sustainable Management of Land and Environment, SMOLE, II	267,638.42	355,429.51	Provided	ODA	Grant	Cross-cutting	Other (Capacity building)	
/ Ethiopia / ODA equity through Finnfund	256,200.00	340,239.00	Provided	ODA	Equity	Adaptation	Cross-cutting	
/ Other bilateral climate change related programs	10,167,870.85	13,503,148.50	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
/								

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

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

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

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

[d] Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under “Other”.

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

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

[g] Please specify.

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

Custom Footnotes

Table 7(b) FIN_BR2_v2.0

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*						

1) OECD/DAC exchange rates for 2013 and 2014 are used to calculate USD amount.

Table 7(b) FIN_BR2_v2.0

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	44,426,602.86	58,944,676.75						
/ Other bilateral climate change related programs	5,708,214.39	7,573,589.48	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
/ Kenya / ODA equity through Finnfund	13,130,000.00	17,420,724.43	Provided	ODA	Equity	Mitigation	Cross-cutting	
/ China / ODA equity through Finnfund	2,800,000.00	3,715,005.97	Provided	ODA	Equity	Mitigation	Energy	
/ Kenya / Reinforsement of Nairobi Distribution System	2,467,584.16	3,273,960.67	Provided	ODA	Other (INTEREST SUBSIDY)	Adaptation	Energy	
/ Africa regional / ODA equity through Finnfund	2,263,399.73	3,003,051.25	Provided	ODA	Equity	Cross-cutting	Cross-cutting	
/ South of Sahara regional / Energy and Environment Partnership in Southern and East Africa	2,253,902.75	2,990,450.78	Provided	ODA	Grant	Mitigation	Energy	
/ Mexico / ODA equity through Finnfund	1,151,653.60	1,528,000.00	Provided	ODA	Equity	Mitigation	Forestry	
/ Honduras / HN/Rural Electrification project ESSE-FN-2008	1,118,188.36	1,483,598.73	Provided	ODA	Other (INTEREST SUBSIDY)	Adaptation	Energy	
/ Indonesia / Energy and Environment Partnership Program (EEP) in Indonesia budget extension	937,414.79	1,243,750.55	Provided	ODA	Grant	Mitigation	Energy	
/ Laos / Lao/SUFORD-SF Sustainable Forest Development	934,103.38	1,239,357.02	Provided	ODA	Grant	Mitigation	Forestry	
/ South of Sahara regional / Impact of climate change in ecosystems in Eastern Africa	900,000.00	1,194,109.06	Provided	ODA	Grant	Adaptation	Cross-cutting	
/ Kenya / Support to the Water Services Trust Fund (WSTF)	826,483.54	1,096,568.32	Provided	ODA	Grant	Adaptation	Water and sanitation	
/ Ethiopia / Support for institutionalising the CDF mechanism in Ethiopia	813,183.66	1,078,922.19	Provided	ODA	Grant	Adaptation	Water and sanitation	

Table 7(b) FIN_BR2_v2.0

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*						
/ Tanzania / TZ/Support to Private plantation Forestry	763,671.31	1,013,229.82	Provided	ODA	Grant	Adaptation	Forestry	
/ Ethiopia / Agro-BIG Programme for Agro-Business Induced Growth in Amhara	720,911.51	956,496.63	Provided	ODA	Grant	Adaptation	Agriculture	
/ Kenya / Programme for Agriculture and Livelihoods in Western Communities (PALWECO)	706,930.45	937,946.73	Provided	ODA	Grant	Adaptation	Agriculture	
/ Kenya / Support to Forest Sector	678,319.59	899,986.19	Provided	ODA	Grant	Cross-cutting	Forestry	
/ Africa regional / CGIAR - cooperation on agricultural research and education	624,111.98	828,064.19	Provided	ODA	Grant	Adaptation	Agriculture	
/ Asia regional / Energy and Environment Partnership Programme with the Mekong Region	573,003.90	760,254.61	Provided	ODA	Grant	Mitigation	Energy	
/ Asia regional / ERITT/RECOFTC Mekong Region Forest and Climate Support	488,322.59	647,900.47	Provided	ODA	Grant	Mitigation	Forestry	
/ South Africa / ODA equity through Finnfund	444,683.00	590,000.00	Provided	ODA	Equity	Adaptation	Agriculture	
/ Sri Lanka / SRL/Solar Energy Project in Sri Lanka	373,962.77	496,169.26	Provided	ODA	Other (INTEREST SUBSIDY)	Mitigation	Energy	
/ North & Central America regional / ODA equity through Finnfund	373,759.83	495,900.00	Provided	ODA	Equity	Mitigation	Energy	
/ Tanzania / District Economic and Social Empowerment Programme DESEMP I implemen	366,768.61	486,624.14	Provided	ODA	Grant	Adaptation	Other (Other)	
/ North & Central America regional / Forests and Forest Management Project in Central America Finnfor II	353,934.20	469,595.59	Provided	ODA	Grant	Mitigation	Other (Other)	

Table 7(b) FIN_BR2_v2.0

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*						
/ Zambia / Integrated land use Assessment (ILUA) II-phase	350,000.00	464,375.75	Provided	ODA	Grant	Mitigation	Forestry	
/ Bilateral unspecified / International Environmental Conventions developing countries participation	337,289.72	447,511.90	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
/ Bilateral unspecified / IUCN-Finland Framework agreement	315,000.00	417,938.17	Provided	ODA	Grant	Cross-cutting	Forestry	
/ Viet Nam / VN/Management Information System for Forestry Sector Phase II	307,835.58	408,432.50	Provided	ODA	Grant	Cross-cutting	Forestry	
/ Africa regional / Support to the Africa programme of the Rights and Resources Initiative	300,000.00	398,036.35	Provided	ODA	Grant	Mitigation	Forestry	
/ Asia regional / ODA equity through Finnfund	284,144.90	377,000.00	Provided	ODA	Equity	Cross-cutting	Cross-cutting	
/ Philippines / ODA equity through Finnfund	257,000.00	340,984.48	Provided	ODA	Equity	Adaptation	Other (Other)	
/ Bilateral unspecified / Programme on Promoting Sustainable Development - Capacity building for developing countries and dialogue between Finland and South Centre	252,000.00	334,350.54	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
/ Nepal / Rural Water Supply and Sanitation Project-Western Nepal Completion Phase	250,824.56	332,790.98	Provided	ODA	Grant	Adaptation	Water and sanitation	

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.

Table 7(b) FIN_BR2_v2.0

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*						

[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

1) OECD/DAC exchange rates for 2013 and 2014 are used to calculate USD amount.

Table 8 FIN_BR2_v2.0

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]
Regional programmes for Central America, Andean region, Mekong region, Indonesia and Southern and Eastern Africa, covering currently 32 countries.	Mitigation	Partial grant funding, business and financial advisory support is provided to project developers through competitive calls for proposals for mitigation projects that increase access to sustainable energy (business development and investment preparation on renewable energy and energy efficiency). Focus to mitigation with adaptation components in individual projects.	Energy, Other (Main sector energy but covering renewable energy and energy efficiency investments in transport, industry, agriculture, water and sanitation and waste management sectors.)	Private and Public	Private and Public	Implemented	Both soft and hard technology transfer and development is supported. Partial public funding (ODA grants) as seed funding that is complemented by developer's own funding (mostly private funding) and other external sources (public and private).
Viet Nam	Adaptation	Grant two automatic weather stations purchased and installed in cooperation with Vietnam National Hydrometeorological Service experts and databases and information exchange systems of observations and forecasts developed, managed and exploited	Other (Meteorology)	Public	Public	Implemented	Both soft and hard technology transfer and development is supported.
Asia Pacific	Adaptation	Installation of weather information system and weather forecast production system for weather forecasters (Fiji, Papua New Guinea, Samoa, Solomon Islands and Tonga). Acquisition of real-time lightning location data feed to enhance severe weather forecasting accuracy (all countries).	Other (Meteorology)	Public	Public	Implemented	Both soft and hard technology transfer and development is supported. Pacific Region: Cook Islands, Federated States of Micronesia, Fiji, Kiribati, Marshall Islands, Nauru, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.

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]
Asia Pacific	Adaptation	Acquisition of spare parts to replace non-functional sensors in automatic weather stations (all countries). Acquisition of full automatic weather station to Niue Meteorological service to replace non-functional station. Installation of software for issuing and delivering weather warning information (Fiji, Papua New Guinea, Samoa, Solomon Islands and Tonga).	Other (Meteorology)	Public	Public	Planned	Both soft and hard technology transfer and development is supported. Pacific Region: Cook Islands, Federated States of Micronesia, Fiji, Kiribati, Marshall Islands, Nauru, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.
Lao People's Democratic Republic	Mitigation	Designing National Forest System, Monitoring forest cover changes, testing soil carbon measurements, piloting cost-effective, high resolution forest inventory methods (satellite images and airborne laser scanning)	Other (Forestry)	Public	Public	Implemented	Both soft and hard technology transfer and development is supported. Laos, Sustainable forestry for rural development project / Scaling-up participatory sustainable forest management project
Peru, Ecuador, United Republic of Tanzania, Viet Nam, Zambia	Mitigation and Adaptation	National Forest Inventory design (Ecuador, Peru, Tanzania) or enhancement of previous inventory methodology (Vietnam, Zambia). Development of free and open source software “Open Foris”for survey design, data collection, analysis and dissemination of results. Related capacity development activities.	Agriculture, Other (Forestry)	Public	Public	Implemented	FAO-Finland Technical Collaboration Programme ”Sustainable Forest Management in a Changing Climate” pilot countries: Ecuador, Peru, Tanzania, Vietnam, Zambia. The developed tools have been adopted by several other FAO projects and being used to conduct related activities in at least 25 other countries including Algeria, Ghana, Kenya, Morocco, Mozambique, South Africa, Tunisia, Uganda, Argentina, Chile, Colombia, Paraguay, Uruguay, Bangladesh, Bhutan, Kyrgyzstan, Lao People's Democratic Republic, Myanmar, Philippines, Papua New Guinea, Tajikistan, Thailand.

[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 FIN_BR2_v2.0

Provision of capacity-building support[a]

Recipient country/region	*Targeted area*	*Programme or project title*	*Description of programme or project* [b,c]
Global	Multiple Areas	Global Gender and Climate Alliance (GGCA)	The purpose of the project is to ensure that climate change policies, programmes and initiatives at all levels are gender-responsive and to build the capacities of female delegates to participate effectively in climate change dialogues and decision-making. The support has been granted since 2008 and it will continue until 2016 (total funding EUR 8.9 million). This includes following activities: - Knowledge generation (researching and establishing the linkages between gender and climate change); - Capacity building (Building the capacity of government delegates, sustainability leaders, grassroots organizations); Advocacy (supporting Governments with technical expertise and rendering financial and strategic support to Parties to include women delegates in their delegations that engage meaningfully); - Local action (strengthening local policy frameworks and driving climate action through the development National Climate Change and Gender Action Plans through multi-stake¬holder processes); and Identification of best practice, - Replication and scaling-up.
Global	Multiple Areas	Enhacing the Capacity of Developing Countries to Engage in National Climate Change Actions and in Global Climate Change Processe; South Centre	The project co-operation between Finland and the South Centre in the field of climate change started in 2011. The project in question run through the years 2011-2013 with total support of 700 000 euros. The general objectives of the programme were as follows: 1) At the national level, to assist developing countries in national preparations for engagement in national and international climate change policies and actions; and 2) At the international level, to assist developing countries to engage constructively and effectively in developing and shaping the international policy framework of cooperation in addressing the global climate crisis, including the implications for developing countries of possible new arrangements in terms of climate actions and policies that may be discussed in the context of the climate change negotiations under the Durban Platform; and assisting in the evolution of the relatively new bodies in the UNFCCC, especially the Green Climate Fund, the Finance Steering Committee and the Technology Mechanism. The project included the following activities: - Research and analysis relating to national climate policies and to international climate change discussions; - Publication and Internet dissemination of the research and analytical output; - Capacity building for developing countries through the organization of meetings and workshops; and - Participation by South Centre in climate change meetings and the provision of technical advice to developing countries.
Southeast Asia	Multiple Areas	Southeast Asia Network of Climate Change Focal Points, UNEP	The overall objective of the project is to strengthen institutional frameworks for coordinating climate change at national and regional levels with a view to enable countries to adopt integrated approaches for climate resilient and low carbon development and to respond to UNFCCC commitments. The project is currently entirely funded by Finland. The total support provided by Finland has been EUR 4.3 million for the years 2008-2015. This includes following activities: - Facilitating knowledge generation and sharing - Providing targeted support to national climate change offices through national and regional activities - Fostering interactions and exchange of experiences among climate change professionals - Providing means to conduct joint analysis of climate change issues and options - Expedite the development of good policies - Foster the sharing of best practices and information - Accelerate the transfer of climate friendly technologies
Viet Nam	Multiple Areas	Meteorology capacity building	Project purpose is to increase capacity of the National Hydro-Meteorological Service in the reduction of natural disaster risks and adaptation to climate change of the Vietnamese society This includes following activities: - peer learning through concrete development actions - joint development of a weather radar composite products, project management exercises - general study tours to Finland to learn about FMI best practices - hands-on maintenance of weather stations with a group of maintenance technicians. The total support provided by Finland has been EUR 500.000 for the years 2013-2016.

[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