

BR CTF submission workbook

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Table 1

EST_BR1_v2.0

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

CRF: Submission 2014 v1.5, ESTONIA

<i>GREENHOUSE GAS EMISSIONS</i>	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
CO ₂ emissions including net CO ₂ from LULUCF	27,784.35	24,781.69	14,886.51	8,926.77	9,291.34	7,383.03	8,288.64	8,764.37	9,053.65
CO ₂ emissions excluding net CO ₂ from LULUCF	36,635.00	33,634.58	24,180.88	18,770.35	19,639.00	17,981.46	18,688.03	18,236.49	16,657.46
CH ₄ emissions including CH ₄ from LULUCF	1,673.58	1,594.50	1,327.88	1,053.16	1,022.15	982.05	996.89	1,059.74	1,046.94
CH ₄ emissions excluding CH ₄ from LULUCF	1,673.18	1,594.34	1,324.57	1,051.91	1,021.24	981.63	995.70	1,057.41	1,046.77
N ₂ O emissions including N ₂ O from LULUCF	2,235.50	2,143.55	1,828.96	1,370.95	1,183.09	1,048.10	984.23	982.81	1,032.92
N ₂ O emissions excluding N ₂ O from LULUCF	2,233.95	2,142.04	1,826.88	1,369.24	1,181.44	1,046.55	982.54	980.90	1,031.41
HFCs	NA, NE, NO	NA, NE, NO	15.92	18.06	20.67	25.37	30.58	36.38	45.93
PFCs	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
SF ₆	NA, NE, NO	0.05	0.09	1.45	3.11	3.22	3.49	2.99	2.99
Total (including LULUCF)	31,693.44	28,519.79	18,059.37	11,370.39	11,520.36	9,441.77	10,303.83	10,846.29	11,182.41
Total (excluding LULUCF)	40,542.14	37,371.02	27,348.34	21,211.01	21,865.46	20,038.23	20,700.34	20,314.17	18,784.55

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
1. Energy	35,956.90	32,967.77	23,816.15	18,603.92	19,225.41	17,596.48	18,341.04	17,857.11	16,205.29
2. Industrial Processes	1,048.23	1,026.78	603.45	344.86	633.43	675.54	682.88	719.51	754.13
3. Solvent and Other Product Use	26.44	28.12	21.69	20.85	23.03	26.02	27.56	28.34	30.25
4. Agriculture	3,166.84	3,007.95	2,584.47	1,954.14	1,702.42	1,483.71	1,375.32	1,372.75	1,422.66
5. Land Use, Land-Use Change and Forestry ^b	-8,848.70	-8,851.23	-9,288.97	-9,840.62	-10,345.10	-10,596.46	-10,396.51	-9,467.87	-7,602.14
6. Waste	343.72	340.40	322.58	287.24	281.17	256.49	273.54	336.45	372.22
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	31,693.44	28,519.79	18,059.37	11,370.39	11,520.36	9,441.77	10,303.83	10,846.29	11,182.41

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

EST_BR1_v2.0

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

CRF: Submission 2014 v1.5, ESTONIA

<i>GREENHOUSE GAS EMISSIONS</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
CO ₂ emissions including net CO ₂ from LULUCF	10,871.63	16,239.54	20,072.21	18,339.99	17,487.43	14,691.96	11,378.41	8,838.86	10,755.46	9,224.65
CO ₂ emissions excluding net CO ₂ from LULUCF	15,508.39	15,143.30	15,497.77	15,004.26	16,832.39	17,082.08	16,419.49	15,842.60	18,873.36	17,357.71
CH ₄ emissions including CH ₄ from LULUCF	983.62	1,026.63	1,056.87	1,007.86	1,038.68	1,073.03	1,044.24	1,062.85	1,063.05	1,055.08
CH ₄ emissions excluding CH ₄ from LULUCF	982.34	1,024.95	1,056.64	1,004.31	1,038.20	1,072.00	1,043.93	1,054.57	1,062.77	1,053.77
N ₂ O emissions including N ₂ O from LULUCF	879.38	903.44	890.45	841.19	877.18	919.32	898.33	900.83	966.23	1,079.94
N ₂ O emissions excluding N ₂ O from LULUCF	877.66	901.65	888.93	838.92	875.22	916.72	894.98	894.95	960.83	1,073.49
HFCs	55.65	69.54	85.47	86.52	91.92	104.61	118.16	135.31	148.98	131.31
PFCs	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.07	0.06	0.04
SF ₆	3.01	2.73	1.74	1.44	1.33	1.08	1.08	1.15	0.97	1.35
Total (including LULUCF)	12,793.29	18,241.88	22,106.75	20,276.99	19,496.53	16,790.00	13,440.22	10,939.07	12,934.75	11,492.37
Total (excluding LULUCF)	17,427.04	17,142.17	17,530.56	16,935.43	18,839.07	19,176.50	18,477.64	17,928.66	21,046.97	19,617.67

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
1. Energy	15,103.37	14,770.96	15,129.28	14,824.75	16,594.37	16,722.18	16,020.66	15,385.39	18,270.54	16,745.77
2. Industrial Processes	707.69	705.92	746.39	545.35	605.39	764.67	807.11	871.47	1,059.00	1,051.13
3. Solvent and Other Product Use	30.03	26.76	24.47	24.84	24.69	25.07	26.16	26.35	24.43	21.96
4. Agriculture	1,190.93	1,203.70	1,188.80	1,112.73	1,163.64	1,196.40	1,170.78	1,166.40	1,209.27	1,329.85
5. Land Use, Land-Use Change and Forestry ^b	-4,633.75	1,099.71	4,576.19	3,341.56	657.47	-2,386.49	-5,037.42	-6,989.58	-8,112.22	-8,125.30
6. Waste	395.01	434.83	441.62	427.76	450.98	468.18	452.93	479.04	483.74	468.96
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	12,793.29	18,241.88	22,106.75	20,276.99	19,496.53	16,790.00	13,440.22	10,939.07	12,934.75	11,492.37

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

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

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS EMISSIONS	2009	2010	2011	Change from base to latest reported year
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	(%)
CO ₂ emissions including net CO ₂ from LULUCF	6,808.82	11,852.77	14,563.07	-47.59
CO ₂ emissions excluding net CO ₂ from LULUCF	14,157.89	17,801.49	18,832.99	-48.59
CH ₄ emissions including CH ₄ from LULUCF	984.69	1,016.97	957.54	-42.79
CH ₄ emissions excluding CH ₄ from LULUCF	984.50	1,016.84	957.42	-42.78
N ₂ O emissions including N ₂ O from LULUCF	986.35	1,023.01	1,010.97	-54.78
N ₂ O emissions excluding N ₂ O from LULUCF	979.61	1,016.05	1,003.97	-55.06
HFCs	138.15	152.56	159.38	100.00
PFCs	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
SF ₆	1.44	1.81	1.82	100.00
Total (including LULUCF)	8,919.45	14,047.13	16,692.77	-47.33
Total (excluding LULUCF)	16,261.58	19,988.77	20,955.58	-48.31

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	(%)
1. Energy	14,129.73	17,767.99	18,661.63	-48.10
2. Industrial Processes	451.04	493.86	613.82	-41.44
3. Solvent and Other Product Use	18.49	17.39	18.86	-28.69
4. Agriculture	1,230.60	1,256.59	1,270.52	-59.88
5. Land Use, Land-Use Change and Forestry ^b	-7,342.13	-5,941.64	-4,262.81	-51.83
6. Waste	431.72	452.94	390.76	13.69
7. Other	NA	NA	NA	0.00
Total (including LULUCF)	8,919.45	14,047.13	16,692.77	-47.33

Notes :

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

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO₂ eq equals 1 Gg CO₂ eq.

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

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

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

Custom Footnotes

Emission trends (CO₂)
(Sheet 1 of 3)

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	35,565.96	32,585.73	23,576.37	18,428.92	19,011.55	17,314.04	18,017.54	17,534.17	15,928.44
A. Fuel Combustion (Sectoral Approach)	35,565.96	32,585.73	23,576.37	18,428.92	19,011.55	17,314.04	18,017.54	17,534.17	15,928.44
1. Energy Industries	28,748.11	26,240.22	19,857.25	15,626.10	15,888.78	14,371.02	14,887.82	14,467.07	12,893.82
2. Manufacturing Industries and Construction	2,477.52	2,336.78	1,570.67	742.85	1,044.58	880.22	958.08	877.98	822.85
3. Transport	2,418.18	2,200.67	1,136.83	1,257.06	1,573.90	1,539.55	1,599.14	1,706.12	1,765.10
4. Other Sectors	1,878.61	1,754.69	977.37	792.11	493.29	494.46	556.24	469.32	429.46
5. Other	43.54	53.37	34.24	10.81	10.99	28.79	16.26	13.69	17.20
B. Fugitive Emissions from Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial Processes	1,048.23	1,026.73	587.44	325.35	609.65	646.95	648.81	680.14	705.22
A. Mineral Products	628.18	636.02	387.16	246.48	350.39	366.98	379.79	416.11	438.40
B. Chemical Industry	420.05	390.71	200.28	78.87	259.27	279.97	269.01	264.03	266.83
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Other Production	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use	20.77	22.09	17.04	16.04	17.76	20.44	21.67	22.14	23.74
4. Agriculture									
A. Enteric Fermentation									
B. Manure Management									
C. Rice Cultivation									
D. Agricultural Soils									
E. Prescribed Burning of Savannas									
F. Field Burning of Agricultural Residues									
G. Other									
5. Land Use, Land-Use Change and Forestry	-8,850.65	-8,852.89	-9,294.37	-9,843.58	-10,347.66	-10,598.43	-10,399.39	-9,472.12	-7,603.81
A. Forest Land	-9,212.15	-9,156.33	-9,492.22	-9,998.61	-10,463.64	-10,672.16	-10,406.88	-9,449.50	-7,582.29
B. Cropland	125.37	100.81	40.69	14.84	-1.92	-6.05	-14.58	-7.48	35.19
C. Grassland	106.89	80.54	41.36	31.89	9.30	-29.74	-90.52	-129.95	-167.61
D. Wetlands	129.24	122.09	115.81	102.60	102.60	102.60	102.60	102.60	102.60
E. Settlements	NE, NO	NE, NO	NE, NO	5.69	6.00	6.91	9.98	12.22	8.30
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	IE	IE	IE	IE	IE	IE	IE	IE	IE
6. Waste	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.03	0.06
A. Solid Waste Disposal on Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Waste-water Handling									
C. Waste Incineration	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.03	0.06
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO₂ emissions including net CO₂ from LULUCF	27,784.35	24,781.69	14,886.51	8,926.77	9,291.34	7,383.03	8,288.64	8,764.37	9,053.65
Total CO₂ emissions excluding net CO₂ from LULUCF	36,635.00	33,634.58	24,180.88	18,770.35	19,639.00	17,981.46	18,688.03	18,236.49	16,657.46
Memo Items:									
International Bunkers	682.06	703.88	427.39	529.64	445.96	331.57	338.57	379.57	379.40
Aviation	107.70	107.70	35.90	54.00	44.88	53.85	48.15	67.41	47.15
Marine	574.36	596.18	391.48	475.64	401.08	277.72	290.42	312.16	332.25
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ Emissions from Biomass	927.21	910.13	871.56	830.41	1,345.91	2,181.45	2,605.56	2,659.18	2,265.19

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

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

EST_BR1_v2.0

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	14,836.41	14,490.57	14,820.85	14,528.06	16,301.62	16,404.21	15,711.61	15,086.67	17,944.61	16,422.21
A. Fuel Combustion (Sectoral Approach)	14,836.41	14,490.57	14,820.85	14,528.06	16,301.62	16,404.21	15,711.61	15,086.67	17,944.61	16,422.21
1. Energy Industries	12,323.74	11,892.21	11,705.03	11,425.98	13,224.50	13,144.25	12,360.55	11,629.43	13,875.70	12,575.99
2. Manufacturing Industries and Construction	474.59	572.29	696.81	482.06	551.26	659.32	714.24	709.68	1,175.05	1,070.37
3. Transport	1,642.66	1,627.45	1,936.92	2,067.74	1,986.29	2,033.48	2,104.92	2,269.26	2,394.47	2,277.72
4. Other Sectors	378.23	381.75	463.57	537.60	520.57	539.39	497.06	446.65	468.76	487.35
5. Other	17.19	16.87	18.52	14.68	18.99	27.76	34.84	31.65	30.62	10.78
B. Fugitive Emissions from Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial Processes	649.03	633.65	659.18	457.40	512.14	658.98	687.87	734.93	908.99	918.43
A. Mineral Products	391.11	402.32	410.70	393.87	375.56	408.26	415.74	463.32	648.93	647.74
B. Chemical Industry	257.92	231.33	248.48	63.53	136.58	250.71	272.13	271.61	260.05	270.69
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Other Production	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use	22.90	19.01	17.69	18.78	18.62	18.89	20.00	21.00	19.77	17.07
4. Agriculture										
A. Enteric Fermentation										
B. Manure Management										
C. Rice Cultivation										
D. Agricultural Soils										
E. Prescribed Burning of Savannas										
F. Field Burning of Agricultural Residues										
G. Other										
5. Land Use, Land-Use Change and Forestry	-4,636.76	1,096.24	4,574.43	3,335.73	655.03	-2,390.12	-5,041.08	-7,003.74	-8,117.90	-8,133.06
A. Forest Land	-4,582.64	1,149.42	4,617.78	3,649.43	1,317.60	-1,576.92	-4,406.33	-6,695.80	-8,132.81	-8,596.93
B. Cropland	47.06	46.91	65.07	81.60	95.79	117.11	146.85	179.25	192.85	203.73
C. Grassland	-214.03	-269.75	-314.99	-684.02	-1,093.93	-1,350.62	-1,374.88	-1,180.07	-860.14	-486.89
D. Wetlands	102.60	102.60	102.60	109.21	109.19	124.56	148.22	155.93	151.18	178.40
E. Settlements	10.25	67.06	103.97	179.51	226.39	278.67	346.50	416.51	391.52	421.82
F. Other Land	NO	NO	NO	NO	NO	17.07	98.56	120.43	139.49	146.80
G. Other	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
6. Waste	0.04	0.06	0.04	0.02	0.01	0.01	0.01	0.00	NO	NO
A. Solid Waste Disposal on Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Waste-water Handling										
C. Waste Incineration	0.04	0.06	0.04	0.02	0.01	0.01	0.01	0.00	NO	NO
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	10,871.63	16,239.54	20,072.21	18,339.99	17,487.43	14,691.96	11,378.41	8,838.86	10,755.46	9,224.65
Total CO2 emissions excluding net CO2 from LULUCF	15,508.39	15,143.30	15,497.77	15,004.26	16,832.39	17,082.08	16,419.49	15,842.60	18,873.36	17,357.71
Memo Items:										
International Bunkers	416.96	395.44	363.23	428.61	410.17	560.84	523.64	767.15	930.04	877.45
Aviation	66.77	64.81	48.60	55.84	55.48	89.10	146.63	97.50	153.54	85.37
Marine	350.20	330.63	314.63	372.77	354.69	471.74	377.01	669.66	776.50	792.07
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass	2,279.44	2,298.29	2,418.95	2,451.88	2,582.86	2,681.81	2,625.34	2,358.71	2,667.04	2,868.35

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

Emission trends (CO₂)
(Sheet 3 of 3)

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	13,832.39	17,449.42	18,366.41	-48.36
A. Fuel Combustion (Sectoral Approach)	13,832.39	17,449.42	18,366.41	-48.36
1. Energy Industries	10,656.87	14,194.43	14,829.11	-48.42
2. Manufacturing Industries and Construction	586.81	505.98	784.01	-68.36
3. Transport	2,100.24	2,221.90	2,236.96	-7.49
4. Other Sectors	459.34	486.26	496.52	-73.57
5. Other	29.13	40.86	19.82	-54.47
B. Fugitive Emissions from Fuels	NO	NO	NO	0.00
1. Solid Fuels	NO	NO	NO	0.00
2. Oil and Natural Gas	NO	NO	NO	0.00
2. Industrial Processes	311.45	339.49	452.62	-56.82
A. Mineral Products	281.80	339.49	452.62	-27.95
B. Chemical Industry	29.66	NO	NO	-100.00
C. Metal Production	NA, NO	NA, NO	NA, NO	0.00
D. Other Production	NO	NO	NO	0.00
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NO	NO	NO	0.00
3. Solvent and Other Product Use	14.05	12.58	13.95	-32.83
4. Agriculture				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
5. Land Use, Land-Use Change and Forestry	-7,349.07	-5,948.72	-4,269.92	-51.76
A. Forest Land	-8,108.58	-6,850.70	-5,184.22	-43.72
B. Cropland	185.46	193.47	175.83	40.25
C. Grassland	-124.59	160.57	282.29	164.09
D. Wetlands	165.29	155.10	129.35	0.09
E. Settlements	397.27	323.84	262.01	100.00
F. Other Land	136.08	68.98	64.82	100.00
G. Other	IE	IE	IE	0.00
6. Waste	NO	NO	NO	-100.00
A. Solid Waste Disposal on Land	NO	NO	NO	0.00
B. Waste-water Handling				
C. Waste Incineration	NO	NO	NO	-100.00
D. Other	NO	NO	NO	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CO₂ emissions including net CO₂ from LULUCF	6,808.82	11,852.77	14,563.07	-47.59
Total CO₂ emissions excluding net CO₂ from LULUCF	14,157.89	17,801.49	18,832.99	-48.59
Memo Items:				
International Bunkers	809.82	809.10	701.03	2.78
Aviation	100.89	113.97	104.06	-3.38
Marine	708.93	695.13	596.97	3.94
Multilateral Operations	NO	NO	NO	0.00
CO₂ Emissions from Biomass	3,148.01	3,725.36	3,599.05	288.16

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

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

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

Custom Footnotes

Emission trends (CH₄)

(Sheet 1 of 3)

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	13.33	13.14	8.03	5.24	7.13	9.85	11.21	11.36	9.67
A. Fuel Combustion (Sectoral Approach)	4.70	4.52	3.00	2.70	3.50	5.74	6.70	6.95	5.48
1. Energy Industries	0.36	0.33	0.23	0.22	0.27	0.30	0.35	0.33	0.33
2. Manufacturing Industries and Construction	0.15	0.14	0.10	0.05	0.07	0.06	0.07	0.06	0.07
3. Transport	0.92	0.86	0.41	0.44	0.53	0.50	0.50	0.57	0.43
4. Other Sectors	3.27	3.19	2.25	1.99	2.63	4.88	5.78	5.99	4.65
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	8.62	8.62	5.03	2.54	3.63	4.11	4.52	4.41	4.19
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	8.62	8.62	5.03	2.54	3.63	4.11	4.52	4.41	4.19
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Other Production									
E. Production of Halocarbons and SF ₆									
F. Consumption of Halocarbons and SF ₆									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use									
4. Agriculture	52.29	48.89	41.98	33.27	30.17	26.78	25.18	24.97	24.23
A. Enteric Fermentation	48.43	45.38	39.46	31.18	28.15	24.88	23.64	23.39	22.65
B. Manure Management	3.60	3.25	2.35	1.88	1.88	1.76	1.36	1.40	1.43
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.26	0.25	0.17	0.21	0.14	0.14	0.17	0.18	0.15
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.02	0.01	0.16	0.06	0.04	0.02	0.06	0.11	0.01
A. Forest Land	0.02	0.00	0.15	0.06	0.04	0.02	0.05	0.11	0.01
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Wetlands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	IE	IE	IE	IE	IE	IE	IE	IE	IE
6. Waste	14.05	13.90	13.07	11.58	11.33	10.11	11.02	14.02	15.94
A. Solid Waste Disposal on Land	8.56	9.10	9.59	10.52	10.94	9.54	10.26	12.99	15.12
B. Waste-water Handling	5.47	4.77	3.44	1.03	0.36	0.53	0.64	0.78	0.80
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	0.03	0.03	0.03	0.03	0.03	0.04	0.13	0.26	0.03
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH₄ emissions including CH₄ from LULUCF	79.69	75.93	63.23	50.15	48.67	46.76	47.47	50.46	49.85
Total CH₄ emissions excluding CH₄ from LULUCF	79.68	75.92	63.07	50.09	48.63	46.74	47.41	50.35	49.85
Memo Items:									
International Bunkers	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Marine	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ Emissions from Biomass									

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

Emission trends (CH₄)
(Sheet 2 of 3)

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	9.53	9.99	10.42	9.55	10.13	11.06	10.60	10.48	11.48	11.34
A. Fuel Combustion (Sectoral Approach)	5.45	5.37	5.42	5.38	5.50	5.64	5.02	4.82	5.83	5.93
1. Energy Industries	0.33	0.31	0.36	0.38	0.38	0.40	0.44	0.37	0.35	0.40
2. Manufacturing Industries and Construction	0.04	0.05	0.07	0.05	0.07	0.08	0.08	0.09	0.15	0.13
3. Transport	0.51	0.46	0.53	0.47	0.42	0.38	0.37	0.37	0.36	0.36
4. Other Sectors	4.57	4.54	4.45	4.47	4.64	4.78	4.12	3.99	4.98	5.05
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	4.08	4.63	5.00	4.17	4.63	5.41	5.58	5.66	5.65	5.40
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	4.08	4.63	5.00	4.17	4.63	5.41	5.58	5.66	5.65	5.40
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use										
4. Agriculture	20.88	20.64	21.43	20.27	20.96	21.20	21.44	21.51	21.18	21.24
A. Enteric Fermentation	19.53	19.21	19.90	18.77	19.12	19.35	19.49	19.55	19.23	19.27
B. Manure Management	1.24	1.25	1.38	1.37	1.70	1.70	1.76	1.81	1.95	1.97
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.11	0.19	0.15	0.14	0.13	0.15	0.19	0.15	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.06	0.08	0.01	0.17	0.02	0.05	0.01	0.39	0.01	0.06
A. Forest Land	0.06	0.08	0.01	0.16	0.02	0.05	0.01	0.39	0.01	0.05
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Wetlands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
6. Waste	16.37	18.18	18.47	18.01	18.35	18.79	17.67	18.22	17.95	17.60
A. Solid Waste Disposal on Land	15.45	17.17	17.61	16.85	16.60	16.89	15.45	15.23	14.58	14.58
B. Waste-water Handling	0.87	0.90	0.72	0.76	0.56	0.29	0.30	0.30	0.29	0.28
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	0.04	0.11	0.14	0.40	1.19	1.61	1.92	2.68	3.08	2.74
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	46.84	48.89	50.33	47.99	49.46	51.10	49.73	50.61	50.62	50.24
Total CH4 emissions excluding CH4 from LULUCF	46.78	48.81	50.32	47.82	49.44	51.05	49.71	50.22	50.61	50.18
Memo Items:										
International Bunkers	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.05	0.05	0.05
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Marine	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.05
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass										

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

Emission trends (CH₄)**(Sheet 3 of 3)**

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	9.91	10.48	9.31	-30.18
A. Fuel Combustion (Sectoral Approach)	6.22	6.52	5.73	21.76
1. Energy Industries	0.46	0.61	0.64	77.88
2. Manufacturing Industries and Construction	0.07	0.07	0.10	-35.07
3. Transport	0.36	0.36	0.21	-77.37
4. Other Sectors	5.33	5.48	4.78	46.20
5. Other	0.00	0.00	0.00	-54.49
B. Fugitive Emissions from Fuels	3.70	3.96	3.58	-58.51
1. Solid Fuels	NO	NO	NO	0.00
2. Oil and Natural Gas	3.70	3.96	3.58	-58.51
2. Industrial Processes	NA, NO	NA, NO	NA, NO	0.00
A. Mineral Products	NO	NO	NO	0.00
B. Chemical Industry	NO	NO	NO	0.00
C. Metal Production	NA, NO	NA, NO	NA, NO	0.00
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NO	NO	NO	0.00
3. Solvent and Other Product Use				
4. Agriculture	21.02	21.55	21.72	-58.47
A. Enteric Fermentation	18.99	19.31	19.56	-59.62
B. Manure Management	2.03	2.24	2.16	-39.96
C. Rice Cultivation	NO	NO	NO	0.00
D. Agricultural Soils	NO	NO	NO	0.00
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	NO	NO	NO	-100.00
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.01	0.01	0.01	-71.43
A. Forest Land	0.01	0.00	0.00	-84.18
B. Cropland	NO	NO	NO	0.00
C. Grassland	0.00	0.00	0.00	-80.27
D. Wetlands	0.00	0.00	0.00	9.28
E. Settlements	NE	NE	NE	0.00
F. Other Land	NE, NO	NE, NO	NE, NO	0.00
G. Other	IE	IE	IE	0.00
6. Waste	15.94	16.39	14.57	3.65
A. Solid Waste Disposal on Land	13.02	12.92	12.11	41.54
B. Waste-water Handling	0.25	0.29	0.28	-94.79
C. Waste Incineration	NO	NO	NO	0.00
D. Other	2.67	3.18	2.17	7,503.51
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CH₄ emissions including CH₄ from LULUCF	46.89	48.43	45.60	-42.79
Total CH₄ emissions excluding CH₄ from LULUCF	46.88	48.42	45.59	-42.78
Memo Items:				
International Bunkers	0.05	0.05	0.04	3.70
Aviation	0.00	0.00	0.00	4.54
Marine	0.05	0.05	0.04	3.67
Multilateral Operations	NO	NO	NO	0.00
CO₂ Emissions from Biomass				

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

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

Custom Footnotes

Emission trends (N₂O)
(Sheet 1 of 3)

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	0.36	0.34	0.23	0.21	0.21	0.24	0.28	0.27	0.24
A. Fuel Combustion (Sectoral Approach)	0.36	0.34	0.23	0.21	0.21	0.24	0.28	0.27	0.24
1. Energy Industries	0.06	0.06	0.04	0.04	0.04	0.05	0.05	0.05	0.05
2. Manufacturing Industries and Construction	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3. Transport	0.07	0.07	0.03	0.04	0.07	0.08	0.10	0.09	0.08
4. Other Sectors	0.20	0.19	0.14	0.12	0.09	0.11	0.13	0.12	0.10
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production									
E. Production of Halocarbons and SF ₆									
F. Consumption of Halocarbons and SF ₆									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
4. Agriculture	6.67	6.39	5.49	4.05	3.45	2.97	2.73	2.74	2.95
A. Enteric Fermentation									
B. Manure Management	0.99	0.93	0.78	0.63	0.58	0.51	0.47	0.47	0.45
C. Rice Cultivation									
D. Agricultural Soils	5.68	5.46	4.71	3.42	2.87	2.46	2.26	2.27	2.49
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. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Wetlands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	0.16	0.16	0.16	0.14	0.14	0.14	0.14	0.14	0.12
A. Solid Waste Disposal on Land									
B. Waste-water Handling	0.15	0.15	0.15	0.13	0.13	0.13	0.13	0.11	0.11
C. Waste Incineration	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01
D. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N₂O emissions including N₂O from LULUCF	7.21	6.91	5.90	4.42	3.82	3.38	3.17	3.17	3.33
Total N₂O emissions excluding N₂O from LULUCF	7.21	6.91	5.89	4.42	3.81	3.38	3.17	3.16	3.33
Memo Items:									
International Bunkers	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ Emissions from Biomass									

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

Emission trends (N₂O)
(Sheet 2 of 3)

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	0.22	0.23	0.29	0.31	0.26	0.28	0.28	0.25	0.27	0.28
A. Fuel Combustion (Sectoral Approach)	0.22	0.23	0.29	0.31	0.26	0.28	0.28	0.25	0.27	0.28
1. Energy Industries	0.05	0.04	0.05	0.05	0.05	0.06	0.08	0.07	0.07	0.08
2. Manufacturing Industries and Construction	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
3. Transport	0.08	0.10	0.16	0.15	0.08	0.08	0.08	0.06	0.06	0.06
4. Other Sectors	0.08	0.08	0.07	0.10	0.12	0.12	0.11	0.11	0.12	0.12
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
1. Solid Fuels	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Oil and Natural Gas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
4. Agriculture	2.43	2.48	2.38	2.22	2.33	2.42	2.32	2.31	2.47	2.85
A. Enteric Fermentation										
B. Manure Management	0.39	0.39	0.40	0.38	0.36	0.36	0.35	0.34	0.33	0.34
C. Rice Cultivation										
D. Agricultural Soils	2.04	2.09	1.98	1.83	1.97	2.06	1.97	1.96	2.13	2.51
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	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.01	0.01	0.01	0.01
C. Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Wetlands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	0.17	0.17	0.17	0.16	0.21	0.24	0.26	0.31	0.34	0.32
A. Solid Waste Disposal on Land										
B. Waste-water Handling	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11
C. Waste Incineration	0.05	0.05	0.05	0.02	0.01	0.01	0.01	0.00	0.00	NO
D. Other	0.00	0.01	0.01	0.03	0.09	0.12	0.14	0.20	0.23	0.21
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	2.84	2.91	2.87	2.71	2.83	2.97	2.90	2.91	3.12	3.48
Total N2O emissions excluding N2O from LULUCF	2.83	2.91	2.87	2.71	2.82	2.96	2.89	2.89	3.10	3.46
Memo Items:										
International Bunkers	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
Aviation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass										

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

Emission trends (N₂O)**(Sheet 3 of 3)**

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	0.29	0.32	0.32	-10.14
A. Fuel Combustion (Sectoral Approach)	0.29	0.32	0.32	-10.14
1. Energy Industries	0.08	0.10	0.11	65.46
2. Manufacturing Industries and Construction	0.01	0.01	0.01	-32.89
3. Transport	0.06	0.06	0.06	-19.27
4. Other Sectors	0.14	0.14	0.14	-28.47
5. Other	0.00	0.00	0.00	-56.92
B. Fugitive Emissions from Fuels	NO	NO	NO	0.00
1. Solid Fuels	NO	NO	NO	0.00
2. Oil and Natural Gas	NO	NO	NO	0.00
2. Industrial Processes	NA, NO	NA, NO	NA, NO	0.00
A. Mineral Products	NO	NO	NO	0.00
B. Chemical Industry	NO	NO	NO	0.00
C. Metal Production	NA	NA	NA	0.00
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NO	NO	NO	0.00
3. Solvent and Other Product Use	0.01	0.02	0.02	-13.51
4. Agriculture	2.55	2.59	2.63	-60.63
A. Enteric Fermentation				
B. Manure Management	0.33	0.33	0.34	-65.89
C. Rice Cultivation				
D. Agricultural Soils	2.21	2.26	2.29	-59.69
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	NO	NO	NO	-100.00
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.02	0.02	0.02	351.20
A. Forest Land	0.00	0.00	0.00	-84.18
B. Cropland	0.02	0.02	0.02	100.00
C. Grassland	0.00	0.00	0.00	-80.27
D. Wetlands	0.01	0.01	0.01	9.28
E. Settlements	NE	NE	NE	0.00
F. Other Land	NE, NO	NE, NO	NE, NO	0.00
G. Other	NE	NE	NE	0.00
6. Waste	0.31	0.35	0.27	74.77
A. Solid Waste Disposal on Land				
B. Waste-water Handling	0.11	0.11	0.11	-24.96
C. Waste Incineration	0.00	0.00	NO	-100.00
D. Other	0.20	0.24	0.16	7,502.08
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total N2O emissions including N2O from LULUCF	3.18	3.30	3.26	-54.78
Total N2O emissions excluding N2O from LULUCF	3.16	3.28	3.24	-55.06
Memo Items:				
International Bunkers	0.01	0.01	0.01	-0.53
Aviation	0.00	0.00	0.00	-5.98
Marine	0.01	0.01	0.00	3.67
Multilateral Operations	NO	NO	NO	0.00
CO2 Emissions from Biomass				

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

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

Custom Footnotes

Table 1(d)

EST_BR1_v2.0

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

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO₂ eq)	NA, NE, NO	NA, NE, NO	15.92	18.06	20.67	25.37	30.58	36.38	45.93
HFC-23	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-32	NO	NO	NO	NO	NO	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134a	NO	NO	0.01	0.01	0.01	0.02	0.02	0.02	0.02
HFC-152a	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.00
HFC-227ea	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
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Emissions of PFCsc - (kt CO₂ eq)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
CF ₄	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₂ F ₆	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₃ F ₈	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₄ F ₁₀	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C ₄ F ₈	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₅ F ₁₂	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₆ F ₁₄	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	NA, NE, NO	0.05	0.09	1.45	3.11	3.22	3.49	2.99	2.99
SF ₆	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

Table 1(d)

EST_BR1_v2.0

Emission trends (HFCs, PFCs and SF₆)**(Sheet 2 of 3)**

CRF: Submission 2014 v1.5, ESTONIA

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>
Emissions of HFCsc - (kt CO₂ eq)	55.65	69.54	85.47	86.52	91.92	104.61	118.16	135.31	148.98	131.31
HFC-23	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.00
HFC-32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-41	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-43-10mee	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-125	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-134a	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.04
HFC-152a	NO	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.04
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
HFC-227ea	NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-236fa	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-245ca	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Emissions of PFCsc - (kt CO₂ eq)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.07	0.06	0.04
CF ₄	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₂ F ₆	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₃ F ₈	NO	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00
C ₄ F ₁₀	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
c-C ₄ F ₈	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₅ F ₁₂	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C ₆ F ₁₄	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	3.01	2.73	1.74	1.44	1.33	1.08	1.08	1.15	0.97	1.35
SF ₆	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

CRF: Submission 2014 v1.5, ESTONIA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
Emissions of HFCsc - (kt CO₂ eq)	138.15	152.56	159.38	100.00
HFC-23	0.00	0.00	0.00	100.00
HFC-32	0.00	0.00	0.00	100.00
HFC-41	NO	NO	NO	0.00
HFC-43-10mee	NO	NO	NO	0.00
HFC-125	0.01	0.02	0.02	100.00
HFC-134	NO	NO	NO	0.00
HFC-134a	0.04	0.04	0.04	100.00
HFC-152a	0.04	0.03	0.04	100.00
HFC-143	NO	NO	NO	0.00
HFC-143a	0.01	0.01	0.01	100.00
HFC-227ea	0.00	0.00	0.00	100.00
HFC-236fa	NO	NO	NO	0.00
HFC-245ca	NO	NO	NO	0.00
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NO	NO	NO	0.00
Emissions of PFCsc - (kt CO₂ eq)	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
CF ₄	NO	NO	NO	0.00
C ₂ F ₆	NO	NO	NO	0.00
C 3F8	NO	NO	NO	0.00
C ₄ F ₁₀	NO	NO	NO	0.00
c-C ₄ F ₈	NO	NO	NO	0.00
C ₅ F ₁₂	NO	NO	NO	0.00
C ₆ F ₁₄	NO	NO	NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NO	NO	NO	0.00
Emissions of SF₆(3) - (Gg CO₂ equivalent)	1.44	1.81	1.82	100.00
SF ₆	0.00	0.00	0.00	100.00

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

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

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

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

Custom Footnotes

Documentation Box:

Table 2(a)

EST_BR1_v2.0

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

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

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

^b Optional.

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

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
CO ₂		1990
CH ₄		1990
N ₂ O		1990
HFCs		1990
PFCs		1990
SF ₆		1990
NF ₃		to be determined
Other Gases (specify)		
Sectors covered ^b	Energy	Yes
	Transport ^f	Yes
	Industrial processes ^g	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	
	Aviation in the scope of the EU-ETS	Yes

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

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

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

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

^g Industrial processes refer to the industrial processes and solvent and other product use sectors.

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

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

Abbreviations : GWP = global warming potential

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

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

Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector^a

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

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

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

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

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

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

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

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

ⁱ AAUs issued to or purchased by a Party.

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

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

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

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

Description of quantified economy-wide emission reduction target: any other information^{a,b}

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

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

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

Custom Footnotes

Table 3

EST_BR1_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	2025	2030
Improvement of efficiency of use of oil shale	Energy	CO ₂ , N ₂ O	To comply with the requirements of Directives 2001/80/EC and 88/609/EEC. Reduction of use of oil shale and atmospheric emissions.	Regulatory	Implemented	Reconstruction of two units in Narva Power Plants (2x215 MW)	2005	Eesti Energia AS	744.61	744.61	744.61	744.61
Improvement of efficiency of use of oil shale	Energy	CO ₂ , N ₂ O	To comply with the requirements of Directives 2001/80/EC and 88/609/EEC. Reduction of use of oil shale and atmospheric emissions.	Regulatory	Implemented	Reconstruction of one unit in Narva Power Plants (300 MW)	2015	Eesti Energia AS	507.73	507.73	507.73	507.73
Transform energy supply structure towards renewable energy. 1. Feed-in tariff for renewable electricity production; 2. Investment support for inland wind parks	Energy	CO ₂	Increased electricity production from renewable resources.	Economic Fiscal Regulatory	Implemented	Support for renewable electricity production is regulated by the Electricity Market Act. Investment support is provided under different schemes (including JI projects and GIS)	2003	Elering AS	815.57	815.57	815.57	815.57
Support for efficient cogeneration of heat and electricity	Energy	CH ₄ , CO ₂ , N ₂ O	Increased energy production from renewable resources and promotion of efficient cogeneration.	Economic Fiscal Regulatory	Implemented	Support to efficient cogeneration of heat and electricity is regulated by the Electricity Market Act	2007	Elering AS	292.45	292.45	292.45	292.45
Energy efficiency and use of renewable energy in small boiler houses and improvement of district heating networks.	Energy	CH ₄ , CO ₂ , N ₂ O	Decrease in fossil fuel use, use of local fuels (biomass) and reduction in heat price.	Economic	Implemented	This measure is also supported partially under the GIS. Activities supported: 1) Construction of small CHP plants (2010	Government , Owners	156.56	156.56	156.56	156.56
Energy efficiency in manufacturing industries and construction	Energy, Industry/industrial processes	CH ₄ , CO ₂ , N ₂ O	Improve energy efficiency in manufacturing industries and construction. Expected annual saving 0.6 PJ of heat by 2016, 0.7 PJ of electricity by 2016 and 0.9 PJ of fuels by 2016	Economic Education Research	Planned	e.g. Development and provision of training events on energy conservation to increase energy management competences of enterprises; Analysis and development of energy efficient technical solutions; Encouragement of investments into energy conservation of industries within the financial instruments of energy conservation in industries.		Ministry of Economic Affairs and Communications	276.52	332.12	332.12	296.09

Table 3

EST_BR1_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	2025	2030
Energy efficiency in residential sector. Investment support and grants for energy efficient renovation of residential buildings (multiapartment and private houses)	Energy	CH ₄ , CO ₂ , N ₂ O	Improve energy efficiency in residential sector.	Economic	Implemented	Improve energy efficiency in residential sector.		KredEx	28.00	28.00	28.00	28.00
Promotion of use of energy efficient electrical appliances	Energy	CO ₂ , N ₂ O	The increased efficiency of electrical appliances is expected to lead to annual saving of 0.5 PJ electricity by 2020	Other (Information)	Implemented			Government	102.77	153.14	152.33	151.52
Grants for energy audits in residential buildings	Energy	CH ₄ , CO ₂ , N ₂ O	Estimation and further improving of energy efficiency in private buildings	Other (Information)	Implemented		2003	Government	IE	IE	IE	IE
Energy efficiency improvement in public buildings. Investment support for energy efficient renovation of public buildings.	Energy	CH ₄ , CO ₂ , N ₂ O	Improve energy efficiency in public buildings	Other (Information)	Implemented	Measure under Green Investment Scheme	2010	Government	27.29	27.29	27.29	27.29
Introduction of regulation regarding use of biofuels	Transport	CO ₂	Objective is to achieve 10% of transport fuels are from renewable resources by 2020.	Regulatory	Planned	Includes of 2 main measures: 1) Introduction of obligation of 5-7% biofuel share in liquid motor fuels; 2) Introduction of obligation of 50% biofuel share in liquid fuels for public transport		Government	110.43	235.42	251.13	267.85
Promotion of public transport: 1) Subsidies to public transport; 2) Investments into the rolling stock	Transport	CH ₄ , CO ₂ , N ₂ O	Promotion of use of public transport	Economic	Implemented	Includes estimates of measure under Green Investment Scheme (support into the rolling stock)		Government	21.37	21.37	18.31	18.31
Modernisation of agricultural holdings. Investments in livestock buildings	Agriculture, Energy	CH ₄	Maintenance of the environment; maintenance of landscapes; supply certainty of raw materials for energy production; diversity of energy sources; distributed energy production	Economic	Implemented	Possible investments to manure handling and biogas equipment		Government	127.99	127.99	127.99	127.99

Table 3

EST_BR1_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	2025	2030
Prohibition concerning percentage of biodegradable waste deposited	Waste management/waste	CH ₄	The percentage of biodegradable waste in the total amount by weight of municipal waste deposited in a landfill shall not exceed: 1) 45% by 16 July 2010; 2) 30% by 16 July 2013; 3) 20% by 16 July 2020	Regulatory	Implemented	Requirement arising from Waste Act. This Act provides the general requirements for preventing waste generation and the health and environmental hazards arising therefrom, for organising waste management with the objective to reduce the harmfulness and quantity of waste, and liability for violation of the established requirements		Government	85.09	144.98	144.07	134.40
Support for organic farming	Agriculture	N ₂ O	Maintaining and increasing biological and landscape diversity and to maintain and improve soil fertility and water quality.	Economic	Implemented	The objective is to increase organically farmed area from 72,800 ha to 120,000 ha. This will lead to a reduction of use of mineral fertilizers.		Government	100.90	128.77	57.33	57.33

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

Reporting on progress^{a, b}

<i>Year^c</i>	<i>Total emissions excluding LULUCF</i>	<i>Contribution from LULUCF^d</i>	<i>Quantity of units from market based mechanisms under the Convention</i>		<i>Quantity of units from other market based mechanisms</i>	
	<i>(kt CO₂ eq)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>
(1990)						
2010						
2011			14,345,407.00			
2012			15,229,972.00			

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

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

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

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

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

Custom Footnotes

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

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

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

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

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

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

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

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

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

^g Specify what was used for the category “other”. Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Custom Footnotes

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2012^{a, b}

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

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

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

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

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

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

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

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

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

Custom Footnotes

Progress in achievement of the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the counting of emissions and removals from the land use, land-use change and forestry sector in relation to activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol^{a,b,c}

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Base year ^d	Net emissions/removals ^e					Accounting parameters ^h	Accounting quantity ⁱ
		2008	2009	2010	2011	Total ^g		
(kt CO ₂ eq)								
A. Article 3.3 activities								

Note: 1 kt CO₂ eq equals 1 Gg CO₂ eq.

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

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

^b Developed country Parties with a quantified economy-wide emission reduction target as communicated to the secretariat and contained in document FCCC/SB/2011/INF.1/Rev.1 or any update to that document, that are Parties to the Kyoto Protocol, may use table 4(a)II for reporting of accounting quantities if LULUCF is contributing to the attainment of that target.

^c Parties can include references to the relevant parts of the national inventory report, where accounting methodologies regarding LULUCF are further described in the documentation box or in the biennial

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

^e All values are reported in the information table on accounting for activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.

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

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

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

ⁱ The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7, paragraph 4, of the Kyoto Protocol.

^j In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following afforestation and reforestation since 1990 shall not be greater than the credits accounted for on that unit of land.

^k In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3 paragraph 3, may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under forest management under Article 3, paragraph 4, up to a level that is equal to the net source of emissions under the provisions of Article 3, paragraph 3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3.

^l In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period of the Kyoto Protocol only, additions to and subtractions from the assigned amount of a Party resulting from Forest management under Article 3, paragraph 4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from forest management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

Custom Footnotes

Documentation Box:

Reporting on progress^{a, b, c}

<i>Units of market based mechanisms</i>			<i>Year</i>	
			<i>2011</i>	<i>2012</i>
<i>Kyoto Protocol units^d</i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>	14,345,407.00	15,229,972.00
		<i>(kt CO₂ eq)</i>		
	<i>AAUs</i>	<i>(number of units)</i>	14,345,407.00	15,072,383.00
		<i>(kt CO₂ eq)</i>		
	<i>ERUs</i>	<i>(number of units)</i>	NO	141,034.00
		<i>(kt CO₂ eq)</i>		
	<i>CERs</i>	<i>(number of units)</i>	NO	16,555.00
<i>(kt CO₂ eq)</i>				
<i>tCERs</i>	<i>(number of units)</i>	NO	NO	
	<i>(kt CO₂ eq)</i>			
<i>ICERs</i>	<i>(number of units)</i>	NO	NO	
	<i>(kt CO₂ eq)</i>			
<i>Other units^{d,e}</i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>Units from other market-based mechanisms</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
<i>Total</i>		<i>(number of units)</i>	14,345,407.00	15,229,972.00
		<i>(kt CO₂ eq)</i>		

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

Note: 2011 is the latest reporting year.

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

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

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

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

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

Custom Footnotes

Table 5

EST_BR1_v2.0

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

<i>Key underlying assumptions</i>		<i>Historical^b</i>						<i>Projected</i>			
<i>Assumption</i>	<i>Unit</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2010</i>	<i>2011</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>Population</i>	<i>thousands</i>	1,570.60	1,448.08	1,372.07	1,347.51	1,340.13	1,340.19	1,332.42	1,328.26	1,315.93	1,296.38
Gross Domestic Product	Million Euros		5,724.66	7,914.53	11,181.74	11,175.06	12,243.16	13,487.00	15,111.00	16,766.00	18,784.00
International oil price	€ (2010) /boe							86.00	88.50	89.20	93.10
International coal price	€ (2010)/boe							22.00	22.60	23.70	24.00
International gas price	€(2010)/boe							53.80	61.50	58.90	64.50
GDP growth rate	%							3.50	2.30	2.10	2.30
Number of Cattle	1000 heads	755.80	369.70	252.80	249.50	236.30	238.30	236.90	273.70	241.00	241.00
Number of Sheep	1000 heads	138.00	48.20	29.00	49.60	78.60	83.90	80.00	82.00	84.00	86.00
Number of Swine	1000 heads	859.90	448.80	300.20	346.50	371.70	365.70	360.40	351.90	360.00	365.00
Area of managed forest	1000 hectares					2,253.46		2,252.29	2,251.12	2,249.95	2,248.78
Municipal solid waste disposed to landfills	1000 tonnes					265.01		117.22	70.86	74.65	79.05
GDP (in EUR 2005 constant prices)	Million Euros		5,724.66	7,914.53	11,181.74	11,177.00	12,243.16	13,487.00	15,111.00	16,766.00	18,784.00
Oil shale mining limit	Mt					20.00	20.00	20.00	20.00	20.00	20.00
<i>Net electricity import</i>	<i>GWh</i>	-7,002.00	-760.00	-929.00	-1,608.00	-3,570.00	-3,562.00	-871.00	1,485.00	3,300.00	5,358.00

^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)

EST_BR1_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)								
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	33,496.42	33,496.42	16,021.52	13,103.83	13,883.28	15,519.75	16,401.76	11,925.84	10,604.44
Transport	2,460.48	2,460.48	1,574.96	1,667.13	2,137.38	2,248.24	2,259.87	2,528.20	2,862.92
Industry/industrial processes	1,074.67	1,074.67	701.56	732.68	833.27	511.25	632.68	962.94	1,068.21
Agriculture	3,166.84	3,166.84	1,483.71	1,203.79	1,170.78	1,256.59	1,270.52	1,295.64	1,273.47
Forestry/LULUCF	-8,848.70	-8,848.70	-10,596.46	1,099.71	-5,037.42	-5,941.64	4,262.81	-3,472.75	-3,189.46
Waste management/waste	343.72	343.72	256.49	434.83	452.93	452.94	390.76	347.73	356.01
Other (specify)									
Aviation in the scope of the EU-ETS									
Solvent and Other Product Use									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	27,784.35	27,784.35	7,383.03	16,239.54	11,378.41	11,852.77	14,563.07	11,389.81	10,775.33
CO ₂ emissions excluding net CO ₂ from LULUCF	36,635.00	36,635.00	17,981.46	15,143.30	16,419.49	17,801.49	18,832.99	14,865.60	13,968.16
CH ₄ emissions including CH ₄ from LULUCF	1,673.58	1,673.58	982.05	1,026.63	1,044.24	1,016.97	957.54	931.66	932.96
CH ₄ emissions excluding CH ₄ from LULUCF	1,673.18	1,673.18	981.63	1,024.95	1,043.93	1,016.84	957.42	929.89	930.96
N ₂ O emissions including N ₂ O from LULUCF	2,235.50	2,235.50	1,048.10	903.44	898.33	1,023.01	1,010.97	1,043.65	1,022.08
N ₂ O emissions excluding N ₂ O from LULUCF	2,233.95	2,233.95	1,046.55	901.65	894.98	1,016.05	1,003.97	1,042.38	1,020.71
HFCs	0.00	0.00	25.37	69.54	118.16	152.56	159.38	218.14	240.55
PFCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SF ₆	0.00	0.00	3.22	2.73	1.08	1.81	1.82	4.34	4.68
Other (specify)									
Total with LULUCF^f	31,693.43	31,693.43	9,441.77	18,241.88	13,440.22	14,047.12	16,692.78	13,587.60	12,975.60
Total without LULUCF	40,542.13	40,542.13	20,038.23	17,142.17	18,477.64	19,988.75	20,955.58	17,060.35	16,165.06

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

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

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

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

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

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

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

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

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

Custom Footnotes

Table 6(c)

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

	GHG emissions and removals ^b							GHG emission projections	
	<i>(kt CO₂ eq)</i>								
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	33,496.42	33,496.42	16,021.52	13,103.83	13,883.28	15,519.75	16,401.76	11,650.64	10,504.45
Transport	2,460.48	2,460.48	1,574.96	1,667.13	2,137.38	2,248.24	2,259.87	2,292.78	2,595.06
Industry/industrial processes	1,074.67	1,074.67	701.56	732.68	833.27	511.25	632.68	962.94	1,068.21
Agriculture	3,166.84	3,166.84	1,483.71	1,203.79	1,170.78	1,256.59	1,270.52	1,295.64	1,273.47
Forestry/LULUCF	-8,848.70	-8,848.70	-10,596.46	1,099.71	-5,037.42	-5,941.64	4,262.81	-3,472.75	-3,189.46
Waste management/waste	343.72	343.72	256.49	434.83	452.93	452.94	390.76	347.73	356.01
Other (specify)									
Aviation in the scope of the EU-ETS									
Solvent and Other Product Use									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	27,784.35	27,784.35	7,383.03	16,239.54	11,378.41	11,852.77	14,563.07	10,884.49	10,412.97
CO ₂ emissions excluding net CO ₂ from LULUCF	36,635.00	36,635.00	17,981.46	15,143.30	16,419.49	17,801.49	18,832.99	14,360.27	13,605.80
CH ₄ emissions including CH ₄ from LULUCF	1,673.58	1,673.58	982.05	1,026.63	1,044.24	1,016.97	957.54	928.45	929.72
CH ₄ emissions excluding CH ₄ from LULUCF	1,673.18	1,673.18	981.63	1,024.95	1,043.93	1,016.84	957.42	926.68	927.73
N ₂ O emissions including N ₂ O from LULUCF	2,235.50	2,235.50	1,048.10	903.44	898.33	1,023.01	1,010.97	1,041.57	1,019.82
N ₂ O emissions excluding N ₂ O from LULUCF	2,233.95	2,233.95	1,046.55	901.65	894.98	1,016.05	1,003.97	1,040.30	1,018.45
HFCs	0.00	0.00	25.37	69.54	118.16	152.56	159.38	218.14	240.55
PFCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SF ₆	0.00	0.00	3.22	2.73	1.08	1.81	1.82	4.34	4.68
Other (specify)									
Total with LULUCF^f	31,693.43	31,693.43	9,441.77	18,241.88	13,440.22	14,047.12	16,692.78	13,076.99	12,607.74
Total without LULUCF	40,542.13	40,542.13	20,038.23	17,142.17	18,477.64	19,988.75	20,955.58	16,549.73	15,797.21

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

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

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

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

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

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

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

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

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

Table 7

EST_BR1_v2.0

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

Allocation channels	Year									
	European euro - EUR					USD ^b				
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d			
		Mitigation	Adaptation	Cross-cutting ^e	Other ^f		Mitigation	Adaptation	Cross-cutting ^e	Other ^f
Total contributions through multilateral channels:										
Multilateral climate change funds ^g										
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies										
Total contributions through bilateral, regional and other channels										
Total										

Abbreviation: USD = United States dollars.

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

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

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

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

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

^f Please specify.

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

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

Custom Footnotes

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

Documentation Box:

Table 7

EST_BR1_v2.0

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

Allocation channels	Year									
	European euro - EUR					USD ^b				
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d			
		Mitigation	Adaptation	Cross-cutting ^e	Other ^f		Mitigation	Adaptation	Cross-cutting ^e	Other ^f
Total contributions through multilateral channels:										
Multilateral climate change funds ^g										
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies										
Total contributions through bilateral, regional and other channels										
Total										

Abbreviation: USD = United States dollars.

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

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

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

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

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

^f Please specify.

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

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

Custom Footnotes

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

Documentation Box:

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

<i>Donor funding</i>	<i>Total amount</i>				<i>Status^b</i>	<i>Funding source^f</i>	<i>Financial instrument^f</i>	<i>Type of support^{f,8}</i>	<i>Sector^c</i>
	<i>Core/general^d</i>		<i>Climate-specific^e</i>						
	<i>European euro - EUR</i>	<i>USD</i>	<i>European euro - EUR</i>	<i>USD</i>					
Total contributions through multilateral channels									
Multilateral climate change funds ^g									
1. Global Environment Facility									
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks									
1. World Bank									
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank									
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies									
1. United Nations Development Programme									
2. United Nations Environment Programme									
3. Other									

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

^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

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

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

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

^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

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

<i>Recipient country/ region/project/programme^b</i>	<i>Total amount</i>		<i>Status^c</i>	<i>Funding source^g</i>	<i>Financial instrument^g</i>	<i>Type of support^{g, h}</i>	<i>Sector^d</i>	<i>Additional information^e</i>
	<i>Climate-specific^f</i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels								

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

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

<i>Recipient country/ region/project/programme^b</i>	<i>Total amount</i>		<i>Status^c</i>	<i>Funding source^g</i>	<i>Financial instrument^g</i>	<i>Type of support^{g, h}</i>	<i>Sector^d</i>	<i>Additional information^e</i>
	<i>Climate-specific^f</i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels								

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

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

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

^a To be reported to the extent possible.

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

^c Parties may report sectoral disaggregation, as appropriate.

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

Custom Footnotes

Provision of capacity-building support^a

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

^a To be reported to the extent possible.

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

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

Custom Footnotes