BR CTF submission workbook

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Contents

Table 1 POL_BR1_v2.0

Emission trends: summary [(1)]
(Sheet 1 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS EMISSIONS	Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997
	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	kt CO_2 eq	kt CO_2 eq
CO_2 emissions including net CO_2 from LULUCF	461,277.49	353,746.11	350,479.75	350,467.76	350,058.44	348,211.13	350,447.29	362,655.03	353,757.57
CO_2 emissions excluding net CO_2 from LULUCF	469,073.95	372,288.35	370,479.67	361,097.07	361,410.39	357,130.66	358,302.29	371,682.59	362,466.34
CH_4 emissions including CH_4 from LULUCF	55,062.55	49,362.87	47,862.47	45,801.77	45,365.80	45,657.31	45,613.49	45,685.96	46,011.73
CH_4 emissions excluding CH_4 from LULUCF	52,872.47	47,166.41	45,686.82	43,418.00	43,156.35	43,445.64	43,410.47	43,445.54	43,805.65
N_2O emissions including N_2O from LULUCF	40,088.78	37,453.55	30,967.64	28,805.22	28,981.07	29,351.55	30,390.65	30,089.71	30,292.72
N_2O emissions excluding N_2O from LULUCF	40,071.30	37,437.00	30,956.80	28,748.17	28,965.36	29,335.75	30,378.30	30,070.45	30,281.46
HFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	189.90	292.49	415.91
PFCs	127.55	122.88	122.40	116.61	125.47	132.33	148.96	139.45	149.56
SF_6	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	13.91	30.53	24.95	24.02
Total (including LULUCF)	556,556.37	440,685.41	429,432.26	425,191.36	424,530.79	423,366.23	426,820.82	438,887.58	430,651.51
Total (excluding LULUCF)	562,145.27	457,014.65	447,245.69	433,379.85	433,657.57	430,058.30	432,460.44	445,655.46	437,142.93

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997
	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	kt CO_2 eq	kt CO_2 eq
1. Energy	470,203.27	374,069.28	374,593.98	365,079.44	367,091.25	360,725.59	361,867.95	376,982.71	366,724.67
2. Industrial Processes	29,787.98	22,024.98	19,055.26	18,217.13	18,206.60	20,704.02	21,941.52	20,851.44	21,459.27
3. Solvent and Other Product Use	1,006.46	629.23	608.22	558.57	519.36	521.05	524.81	550.00	548.63
4. Agriculture	50,763.84	49,655.35	42,040.69	38,499.62	36,704.72	36,981.38	37,077.84	36,064.97	36,917.34
5. Land Use, Land-Use Change and Forestry[b]	-5,588.89	-16,329.24	-17,813.43	-8,188.49	-9,126.78	-6,692.07	-5,639.62	-6,767.88	-6,491.43
6. Waste	10,383.71	10,635.81	10,947.54	11,025.08	11,135.64	11,126.25	11,048.33	11,206.35	11,493.03
7. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	556,556.37	440,685.41	429,432.26	425,191.36	424,530.79	423,366.23	426,820.82	438,887.58	430,651.51

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 POL_BR1_v2.0

Emission trends: summary [1]
(Sheet 2 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS EMISSIONS	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
	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	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq
CO_2 emissions including net CO_2 from LULUCF	325,835.63	315,323.80	305,018.53	298,552.68	286,198.95	297,553.04	297,590.37	294,146.08	304,269.83	308,549.37
CO_2 emissions excluding net CO_2 from LULUCF	335,326.82	326,065.72	315,539.64	312,083.43	300,519.43	312,481.07	316,204.78	318,019.54	331,550.47	332,612.82
CH_4 emissions including CH_4 from LULUCF	44,661.45	44,528.69	41,567.84	40,927.07	39,900.64	40,344.32	40,092.68	40,547.64	40,953.95	40,243.46
CH_4 emissions excluding CH_4 from LULUCF	42,469.64	42,314.05	39,361.03	38,742.34	37,701.27	38,056.54	37,885.74	38,325.61	38,723.15	38,023.22
N_2O emissions including N_2O from LULUCF	30,314.33	29,386.34	29,193.09	29,337.84	28,407.77	28,590.99	28,897.62	29,287.76	30,497.23	31,402.22
N_2O emissions excluding N_2O from LULUCF	30,306.87	29,368.29	29,176.30	29,328.65	28,392.43	28,558.89	28,883.07	29,271.96	30,483.24	31,392.31
HFCs	505.30	724.26	1,127.78	1,717.39	2,221.21	2,723.42	3,482.23	4,424.87	5,053.80	5,641.57
PFCs	150.87	145.27	151.88	168.74	177.61	172.31	175.86	160.65	166.08	158.41
SF_6	25.09	24.64	24.18	23.96	24.41	21.72	23.44	28.09	34.80	32.66
Total (including LULUCF)	401,492.67	390,133.00	377,083.30	370,727.68	356,930.59	369,405.80	370,262.20	368,595.09	380,975.69	386,027.69
Total (excluding LULUCF)	408,784.60	398,642.23	385,380.81	382,064.51	369,036.35	382,013.94	386,655.12	390,230.71	406,011.53	407,860.99

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
	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	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq
1. Energy	338,916.54	330,890.23	317,797.83	316,438.61	305,226.87	316,161.75	319,373.26	317,294.89	328,976.85	327,676.32
2. Industrial Processes	19,757.68	18,901.07	21,457.87	20,104.70	18,370.47	21,265.20	22,920.91	27,934.13	30,417.41	32,732.38
3. Solvent and Other Product Use	552.44	547.19	627.89	631.77	661.01	645.02	677.09	687.75	761.46	721.65
4. Agriculture	37,675.34	36,227.97	34,462.84	34,139.19	34,037.24	33,439.96	33,275.37	33,787.05	35,349.87	36,169.59
5. Land Use, Land-Use Change and Forestry[b]	-7,291.93	-8,509.23	-8,297.52	-11,336.83	-12,105.77	-12,608.14	-16,392.92	-21,635.62	-25,035.84	-21,833.30
6. Waste	11,882.60	12,075.77	11,034.38	10,750.24	10,740.77	10,502.01	10,408.49	10,526.90	10,505.94	10,561.06
7. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	401,492.67	390,133.00	377,083.30	370,727.68	356,930.59	369,405.80	370,262.20	368,595.09	380,975.69	386,027.69

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

Table 1 POL_BR1_v2.0

Emission trends: summary [(1)]
(Sheet 3 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS EMISSIONS	*2008*	2009	2010	2011	Change from base to latest reported year
	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	300,308.23	284,431.97	305,309.21	306,138.93	-33.63
CO_2 emissions excluding net CO_2 from LULUCF	326,847.15	311,773.19	332,573.75	330,309.43	-29.58
CH_4 emissions including CH_4 from LULUCF	39,355.20	38,189.86	38,682.41	37,787.07	-31.37
CH_4 emissions excluding CH_4 from LULUCF	37,127.90	35,959.16	36,448.45	35,537.91	-32.79
N_2O emissions including N_2O from LULUCF	30,960.80	27,313.07	26,868.99	27,249.62	-32.03
N_2O emissions excluding N_2O from LULUCF	30,950.55	27,302.49	26,860.62	27,240.63	-32.02
HFCs	5,114.06	5,453.34	5,694.34	6,210.80	100.00
PFCs	139.85	59.24	56.13	49.88	-60.89
SF_6	34.46	39.42	37.07	40.90	100.00
Total (including LULUCF)	375,912.60	355,486.89	376,648.14	377,477.20	-32.18
Total (excluding LULUCF)	400,213.95	380,586.83	401,670.35	399,389.55	-28.95

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	Change from base to latest reported year
	kt CO_2 eq	*kt CO_2 eq*	kt CO_2 eq	kt CO_2 eq	(%)
1. Energy	321,468.59	310,717.64	330,275.36	325,205.95	-30.84
2. Industrial Processes	31,569.96	23,641.43	25,950.46	28,719.88	-3.59
3. Solvent and Other Product Use	797.18	751.41	779.40	788.67	-21.64
4. Agriculture	36,166.32	35,209.61	34,560.56	34,929.80	-31.19
5. Land Use, Land-Use Change and Forestry[b]	-24,301.36	-25,099.94	-25,022.21	-21,912.35	292.07
6. Waste	10,211.91	10,266.73	10,104.57	9,745.25	-6.15
7. Other	NO	NO	NO	NO	0.00
Total (including LULUCF)	375,912.60	355,486.89	376,648.14	377,477.20	-32.18

Notes:

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

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO_2 eq equals 1 Gg CO_2 eq.

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

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

[b] Includes net CO_2, CH_4 and N_2O from LULUCF.

Custom Footnotes

Table 1 (a) POL_BR1_v2.0

Emission trends (CO_2)

(Sheet 1 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	443,271.99	353,325.49	354,140.45	345,598.06	346,436.58	339,705.14	340,279.87	354,800.15	344,881.95
A. Fuel Combustion (Sectoral Approach)	439,951.83	350,668.73	352,364.93	343,751.36	344,786.86	339,169.14	338,775.37	353,525.12	342,474.82
1. Energy Industries	262,783.55	234,685.68	228,633.94	219,440.16	206,647.16	205,781.28	190,585.55	197,184.71	191,525.47
2. Manufacturing Industries and Construction	54,068.04	42,211.15	39,333.58	36,838.48	47,297.68	48,037.01	62,413.90	66,969.30	63,231.23
3. Transport	20,185.42	20,177.57	21,208.53	21,666.34	21,206.24	22,256.64	23,012.72	25,459.70	26,910.68
4. Other Sectors	102,914.83	53,594.33	63,188.88	65,806.39	69,635.78	63,094.21	62,763.20	63,911.41	60,807.44
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	3,320.16	2,656.76	1,775.52	1,846.69	1,649.73	536.00	1,504.50	1,275.04	2,407.13
1. Solid Fuels	3,274.21	2,611.01	1,729.93	1,789.76	1,582.89	456.51	1,422.67	1,186.50	2,325.97
2. Oil and Natural Gas	45.95	45.76	45.59	56.93	66.84	79.48	81.83	88.54	81.16
2. Industrial Processes	24,352.02	18,010.66	15,453.06	14,682.04	14,199.52	16,648.20	17,236.84	16,066.47	16,770.69
A. Mineral Products	10,774.23	8,460.24	7,730.66	7,932.20	7,545.75	9,139.90	9,030.89	8,503.18	9,082.41
B. Chemical Industry	5,262.34	3,462.61	3,405.95	3,058.55	3,093.63	3,631.58	4,129.60	3,989.94	3,993.18
C. Metal Production	7,521.40	5,549.39	3,942.23	3,334.59	3,208.65	3,504.63	3,654.53	3,197.88	3,308.50
D. Other Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	794.06	538.41	374.22	356.69	351.49	372.09	421.81	375.47	386.61
3. Solvent and Other Product Use	882.46	505.23	484.22	434.57	395.36	397.05	400.81	426.00	424.63
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	-7,796.46	-18,542.24	-19,999.92	-10,629.31	-11,351.95	-8,919.53	-7,854.99	-9,027.57	-8,708.77
A. Forest Land	-17,229.17	-25,840.53	-26,269.10	-16,566.24	-17,318.81	-15,035.98	-14,229.69	-15,366.72	-15,126.70
B. Cropland	5,420.00	3,511.30	2,547.95	2,105.97	2,097.96	2,199.45	2,463.76	2,480.30	2,506.96
C. Grassland	724.82	754.51	780.57	810.02	818.26	823.94	902.03	830.23	819.50
D. Wetlands	2,800.85	2,837.66	2,851.13	2,860.55	2,873.18	2,872.90	2,890.34	2,905.85	2,904.03
E. Settlements	487.04	194.82	89.53	160.39	177.46	220.15	118.56	122.78	187.45
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	567.47	446.97	401.94	382.40	378.92	380.27	384.77	389.97	389.06
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling									
C. Waste Incineration	567.47	446.97	401.94	382.40	378.92	380.27	384.77	389.97	389.06
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CO2 emissions including net CO2 from LULUCF	461,277.49	353,746.11	350,479.75	350,467.76	350,058.44	348,211.13	350,447.29	362,655.03	353,757.57
Total CO2 emissions excluding net CO2 from LULUCF	469,073.95	372,288.35	370,479.67	361,097.07	361,410.39	357,130.66	358,302.29	371,682.59	362,466.34
Memo Items:									
International Bunkers	2,753.77	1,898.57	1,155.00	1,479.33	1,143.33	1,150.90	1,229.40	1,445.35	1,499.47
Aviation	1,106.12	643.39	664.34	721.19	718.20	727.18	784.04	921.69	825.93
Marine	1,647.65	1,255.18	490.66	758.14	425.13	423.72	445.36	523.66	673.54
Multilateral Operations	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO2 Emissions from Biomass	6,731.99	6,183.50	5,332.47	6,266.62	17,449.06	16,916.13	17,250.62	16,974.75	16,954.67

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

Table 1 (a) POL_BR1_v2.0

Emission trends (CO_2)

(Sheet 2 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	319,207.17	310,998.72	298,959.42	297,570.45	287,419.81	297,829.37	300,843.24	298,781.93	310,370.93	309,920.87
A. Fuel Combustion (Sectoral Approach)	318,237.21	308,940.32	296,090.30	295,335.83	285,005.28	294,914.47	298,159.50	295,615.43	306,887.04	306,635.23
1. Energy Industries	184,627.85	179,061.70	176,596.26	178,213.13	172,063.48	180,391.51	178,395.28	177,244.80	182,473.24	179,195.90
2. Manufacturing Industries and Construction	54,709.43	47,031.37	47,449.17	42,379.07	39,783.58	38,859.35	39,630.19	33,284.99	33,312.80	36,295.77
3. Transport	28,327.37	30,876.14	27,155.00	26,955.10	26,028.98	28,461.71	32,188.24	34,597.84	38,369.57	42,408.22
4. Other Sectors	50,572.56	51,971.12	44,889.87	47,788.53	47,129.23	47,201.91	47,945.79	50,487.79	52,731.44	48,735.35
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	969.96	2,058.39	2,869.11	2,234.61	2,414.53	2,914.90	2,683.73	3,166.51	3,483.88	3,285.64
1. Solid Fuels	869.62	1,938.61	2,689.41	2,023.77	2,214.55	2,705.12	2,440.53	1,851.09	2,121.67	2,130.33
2. Oil and Natural Gas	100.33	119.78	179.70	210.84	199.98	209.78	243.20	1,315.42	1,362.21	1,155.32
2. Industrial Processes	15,277.68	14,297.71	15,637.81	13,586.85	12,128.77	13,776.84	14,533.90	18,374.08	20,248.94	21,800.30
A. Mineral Products	8,506.21	8,254.93	8,310.15	6,911.99	6,548.78	6,520.35	7,136.33	7,785.66	8,929.59	10,168.99
B. Chemical Industry	3,596.36	3,172.01	3,889.61	3,691.03	2,862.28	4,150.89	4,248.42	4,502.52	4,276.75	4,244.16
C. Metal Production	2,646.81	2,358.40	2,844.27	2,358.23	2,192.63	2,566.01	2,694.56	5,698.99	6,680.44	7,027.37
D. Other Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.08	0.05	0.08
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	528.29	512.38	593.78	625.61	525.07	539.59	454.59	386.83	362.12	359.70
3. Solvent and Other Product Use	428.44	423.19	503.89	507.77	537.01	521.02	553.09	563.75	637.46	597.65
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	-9,491.19	-10,741.92	-10,521.11	-13,530.75	-14,320.48	-14,928.03	-18,614.41	-23,873.45	-27,280.64	-24,063.44
A. Forest Land	-15,575.52	-16,664.38	-16,355.44	-19,311.08	-20,118.38	-21,046.92	-24,942.42	-30,163.49	-33,267.43	-29,942.77
B. Cropland	2,337.45	2,187.24	2,025.63	2,109.42	2,191.21	2,364.18	2,656.24	2,734.65	2,342.88	2,315.25
C. Grassland	696.10	705.20	630.34	584.78	551.47	508.49	429.76	378.73	416.78	305.71
D. Wetlands	2,908.01	2,925.46	2,940.23	2,931.93	2,946.56	3,026.86	3,042.36	3,053.04	3,057.81	3,084.06
E. Settlements	142.76	104.56	238.12	154.20	108.65	219.36	199.65	123.62	169.31	174.30
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	413.54	346.10	438.52	418.36	433.85	353.83	274.56	299.78	293.14	294.00
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling										
C. Waste Incineration	413.54	346.10	438.52	418.36	433.85	353.83	274.56	299.78	293.14	294.00
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CO2 emissions including net CO2 from LULUCF	325,835.63	315,323.80	305,018.53	298,552.68	286,198.95	297,553.04	297,590.37	294,146.08	304,269.83	308,549.37
Total CO2 emissions excluding net CO2 from LULUCF	335,326.82	326,065.72	315,539.64	312,083.43	300,519.43	312,481.07	316,204.78	318,019.54	331,550.47	332,612.82
Memo Items:										
International Bunkers	1,679.38	1,914.35	1,707.65	1,616.94	1,631.05	1,740.62	1,625.91	1,954.92	2,180.76	2,083.81
Aviation	840.89	751.12	799.00	787.03	772.07	834.91	819.95	930.67	1,241.89	1,292.76
Marine	838.49	1,163.23	908.66	829.91	858.98	905.72	805.96	1,024.25	938.87	791.05
Multilateral Operations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO2 Emissions from Biomass	17,034.21	16,334.16	16,554.50	17,687.48	18,006.41	18,182.63	18,812.00	19,429.29	20,303.42	20,658.91

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

Table 1(a) POL_BR1_v2.0

Emission trends (CO_2)

(Sheet 3 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	%
1. Energy	304,011.12	294,182.46	312,978.65	308,389.70	-30.43
A. Fuel Combustion (Sectoral Approach)	301,187.72	291,900.22	310,172.94	304,568.18	-30.77
1. Energy Industries	173,440.85	166,021.42	172,549.98	173,821.99	-33.85
2. Manufacturing Industries and Construction	32,133.99	29,297.79	30,764.05	31,062.53	-42.55
3. Transport	44,574.67	45,002.70	47,425.62	47,987.70	137.73
4. Other Sectors	51,038.21	51,578.31	59,433.28	51,695.95	-49.77
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	0.00
B. Fugitive Emissions from Fuels	2,823.40	2,282.24	2,805.72	3,821.52	15.10
1. Solid Fuels	1,523.97	999.56	1,624.73	2,097.42	-35.94
2. Oil and Natural Gas	1,299.43	1,282.68	1,180.98	1,724.10	3,652.30
2. Industrial Processes	21,927.06	16,732.33	18,717.85	21,029.08	-13.65
A. Mineral Products	9,850.75	8,433.09	9,221.91	10,711.41	-0.58
B. Chemical Industry	4,276.37	3,493.24	3,622.92	3,968.60	-24.58
C. Metal Production	7,412.21	4,406.07	5,536.84	6,006.06	-20.15
D. Other Production	6.32	8.62	8.60	8.20	100.00
E. Production of Halocarbons and SF6					
F. Consumption of Halocarbons and SF6					
G. Other	381.41	391.31	327.58	334.81	-57.83
3. Solvent and Other Product Use	673.18	627.41	655.40	664.67	-24.68
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	-26,538.91	-27,341.22	-27,264.54	-24,170.50	210.02
A. Forest Land	-32,691.70	-33,859.75	-34,019.81	-31,019.63	80.04
B. Cropland	2,538.62	2,960.49	3,214.99	3,316.34	-38.81
C. Grassland	334.05	266.06	251.28	220.88	-69.53
D. Wetlands	3,099.08	3,100.62	3,141.07	3,145.92	12.32
E. Settlements	181.03	191.36	147.92	165.99	-65.92
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	0.00
G. Other	NA	NA	NA	NA	0.00
6. Waste	235.79	230.99	221.84	225.98	-60.18
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	0.00
B. Waste-water Handling					
C. Waste Incineration	235.79	230.99	221.84	225.98	-60.18
D. Other	NO	NO	NO	NO	0.00
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	0.00
Total CO2 emissions including net CO2 from LULUCF	300,308.23	284,431.97	305,309.21	306,138.93	-33.63
Total CO2 emissions excluding net CO2 from LULUCF	326,847.15	311,773.19	332,573.75	330,309.43	-29.58
Memo Items:					
International Bunkers	2,430.99	2,198.23	2,170.09	1,897.67	-31.09
Aviation	1,553.11	1,406.48	1,481.29	1,345.01	21.60
Marine	877.88	791.76	688.80	552.66	-66.46
Multilateral Operations	NA	NA	NA	NA	0.00
CO2 Emissions from Biomass	23,359.43	26,042.20	29,858.12	32,390.86	381.15

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

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

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

Custom Footnotes

Table 1(b) POL_BR1_v2.0

Emission trends (CH_4)

(Sheet 1 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	1,180.92	904.26	888.82	842.87	891.61	910.59	936.74	959.65	944.97
A. Fuel Combustion (Sectoral Approach)	219.11	122.18	151.23	156.97	197.34	178.24	177.33	183.25	164.03
1. Energy Industries	3.69	3.29	3.19	3.15	2.87	2.89	2.30	2.38	2.32
2. Manufacturing Industries and Construction	3.92	3.19	3.29	3.08	4.16	4.22	5.90	6.34	5.80
3. Transport	4.81	4.62	5.21	5.40	5.52	6.08	6.02	6.13	6.09
4. Other Sectors	206.69	111.09	139.54	145.34	184.79	165.05	163.11	168.39	149.82
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	961.81	782.08	737.59	685.90	694.27	732.35	759.41	776.40	780.94
1. Solid Fuels	797.38	634.69	597.86	555.40	554.74	592.99	607.64	617.52	622.48
2. Oil and Natural Gas	164.43	147.39	139.73	130.50	139.53	139.36	151.77	158.88	158.46
2. Industrial Processes	15.00	10.15	9.60	9.19	9.88	11.54	13.23	12.91	13.35
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	13.18	8.65	8.50	8.14	8.86	10.37	12.01	11.72	12.08
C. Metal Production	1.82	1.50	1.10	1.05	1.02	1.16	1.21	1.19	1.27
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
3. Solvent and Other Product Use									
4. Agriculture	909.57	899.48	828.84	762.55	694.77	686.54	661.58	633.53	650.42
A. Enteric Fermentation	745.98	741.03	660.10	598.05	551.09	540.40	512.58	495.87	512.95
B. Manure Management	162.78	157.65	167.96	163.83	142.87	145.47	148.20	136.88	136.72
C. Rice Cultivation	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Agricultural Soils	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	0.81	0.80	0.78	0.68	0.81	0.68	0.80	0.77	0.75
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	104.29	104.59	103.60	113.51	105.21	105.32	104.91	106.69	105.05
A. Forest Land	1.70	1.71	0.61	10.34	1.83	1.94	1.14	3.06	1.42
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	0.41	0.41	0.41	0.41	0.41	0.41	0.60	0.21	0.29
D. Wetlands	102.17	102.47	102.57	102.76	102.97	102.96	103.17	103.41	103.35
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	412.24	432.14	448.30	452.91	458.80	460.17	455.62	462.74	477.25
A. Solid Waste Disposal on Land	330.19	353.05	358.91	362.51	365.53	367.69	370.28	376.15	382.76
B. Waste-water Handling	82.06	79.08	89.39	90.40	93.27	92.47	85.34	86.59	94.49
C. Waste Incineration	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CH4 emissions including CH4 from LULUCF	2,622.03	2,350.61	2,279.17	2,181.04	2,160.28	2,174.16	2,172.07	2,175.52	2,191.03
Total CH4 emissions excluding CH4 from LULUCF	2,517.74	2,246.02	2,175.56	2,067.52	2,055.06	2,068.84	2,067.17	2,068.84	2,085.98
Memo Items:									
International Bunkers	0.16	0.12	0.05	0.07	0.04	0.04	0.05	0.05	0.07
Aviation	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Marine	0.15	0.12	0.05	0.07	0.04	0.04	0.04	0.05	0.06
Multilateral Operations	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO2 Emissions from Biomass									

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

Table 1(b) POL_BR1_v2.0

Emission trends (CH_4)

(Sheet 2 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	848.47	858.31	812.16	813.86	766.08	788.61	796.09	793.67	796.18	754.48
A. Fuel Combustion (Sectoral Approach)	139.16	140.23	114.12	123.44	116.41	113.66	118.08	124.87	138.47	129.61
1. Energy Industries	2.28	2.18	2.15	2.23	2.20	2.27	2.37	2.65	2.81	2.90
2. Manufacturing Industries and Construction	4.95	4.36	4.25	3.91	3.81	3.66	3.65	3.22	3.25	3.38
3. Transport	5.61	5.98	4.54	4.36	4.25	4.39	4.78	4.62	4.97	5.06
4. Other Sectors	126.32	127.71	103.17	112.94	106.14	103.35	107.29	114.38	127.44	118.27
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	709.31	718.08	698.04	690.42	649.68	674.95	678.01	668.80	657.71	624.87
1. Solid Fuels	548.78	562.41	529.64	514.43	477.88	485.77	477.46	463.12	446.90	415.37
2. Oil and Natural Gas	160.53	155.67	168.40	175.99	171.79	189.18	200.54	205.68	210.80	209.50
2. Industrial Processes	12.13	10.66	13.05	12.27	9.83	13.08	14.52	15.00	14.61	15.19
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	11.02	9.62	11.84	11.17	8.77	11.92	13.21	13.41	12.83	13.35
C. Metal Production	1.11	1.03	1.21	1.10	1.06	1.16	1.31	1.59	1.78	1.85
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	668.48	640.29	597.14	579.33	581.67	580.39	562.94	581.30	598.90	605.28
A. Enteric Fermentation	525.49	497.39	462.76	444.89	431.80	429.40	417.22	425.98	436.40	442.92
B. Manure Management	142.17	142.14	133.67	133.61	149.11	150.27	144.84	154.55	161.76	161.62
C. Rice Cultivation	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Agricultural Soils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	0.82	0.75	0.71	0.83	0.76	0.72	0.89	0.77	0.75	0.74
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	104.37	105.46	105.09	104.03	104.73	108.94	105.09	105.81	106.23	105.73
A. Forest Land	0.87	1.74	1.48	0.71	1.09	4.48	0.80	1.22	1.24	0.74
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	0.14	0.30	0.11	0.13	0.21	0.32	0.20	0.19	0.41	0.06
D. Wetlands	103.36	103.42	103.50	103.19	103.43	104.15	104.09	104.40	104.58	104.93
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	493.28	505.70	451.98	439.42	437.72	430.13	430.53	435.06	434.27	435.68
A. Solid Waste Disposal on Land	391.93	399.72	406.65	394.33	391.84	383.09	382.72	386.58	385.18	385.50
B. Waste-water Handling	101.35	105.98	45.33	45.09	45.88	47.04	47.81	48.48	49.09	50.18
C. Waste Incineration	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CH4 emissions including CH4 from LULUCF	2,126.74	2,120.41	1,979.42	1,948.91	1,900.03	1,921.16	1,909.18	1,930.84	1,950.19	1,916.36
Total CH4 emissions excluding CH4 from LULUCF	2,022.36	2,014.95	1,874.33	1,844.87	1,795.30	1,812.22	1,804.08	1,825.03	1,843.96	1,810.63
Memo Items:										
International Bunkers	0.08	0.11	0.09	0.08	0.08	0.09	0.08	0.10	0.09	0.08
Aviation	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Marine	0.08	0.11	0.08	0.08	0.08	0.08	0.07	0.09	0.09	0.07
Multilateral Operations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO2 Emissions from Biomass										

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

Table 1(b) POL_BR1_v2.0

Emission trends (CH_4)

(Sheet 3 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	%
1. Energy	738.86	694.37	724.21	700.86	-40.65
A. Fuel Combustion (Sectoral Approach)	136.73	138.81	162.19	144.66	-33.98
1. Energy Industries	3.23	3.67	4.10	4.50	22.17
2. Manufacturing Industries and Construction	3.31	3.31	3.54	3.70	-5.69
3. Transport	5.09	5.04	5.12	5.04	4.94
4. Other Sectors	125.10	126.80	149.44	131.41	-36.42
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	0.00
B. Fugitive Emissions from Fuels	602.13	555.56	562.02	556.20	-42.17
1. Solid Fuels	392.25	353.62	349.58	342.04	-57.10
2. Oil and Natural Gas	209.88	201.94	212.44	214.16	30.24
2. Industrial Processes	15.29	12.39	12.88	14.56	-2.91
A. Mineral Products	NA	NA	NA	NA	0.00
B. Chemical Industry	13.51	11.16	11.44	12.90	-2.15
C. Metal Production	1.78	1.23	1.44	1.66	-8.42
D. Other Production					
E. Production of Halocarbons and SF6					
F. Consumption of Halocarbons and SF6					
G. Other	NO	NO	NO	NO	0.00
3. Solvent and Other Product Use					
4. Agriculture	590.53	580.39	581.15	576.83	-36.58
A. Enteric Fermentation	443.04	438.12	439.39	442.22	-40.72
B. Manure Management	146.57	141.29	140.92	133.77	-17.82
C. Rice Cultivation	NA, NO	NA, NO	NA, NO	NA, NO	0.00
D. Agricultural Soils	NA	NA	NA	NA	0.00
E. Prescribed Burning of Savannas	NA	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	0.91	0.98	0.85	0.84	3.28
G. Other	NA	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	106.06	106.22	106.38	107.10	2.70
A. Forest Land	0.63	0.94	0.46	0.59	-65.12
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	0.00
C. Grassland	0.24	0.05	0.06	0.06	-86.08
D. Wetlands	105.18	105.24	105.86	106.45	4.19
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	0.00
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	0.00
G. Other	NA	NA	NA	NA	0.00
6. Waste	423.32	425.19	417.39	400.03	-2.96
A. Solid Waste Disposal on Land	372.43	373.43	364.80	347.16	5.14
B. Waste-water Handling	50.89	51.76	52.59	52.88	-35.56
C. Waste Incineration	NA	NA	NA	NA	0.00
D. Other	NO	NO	NO	NO	0.00
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	0.00
Total CH4 emissions including CH4 from LULUCF	1,874.06	1,818.56	1,842.02	1,799.38	-31.37
Total CH4 emissions excluding CH4 from LULUCF	1,768.00	1,712.34	1,735.64	1,692.28	-32.79
Memo Items:					
International Bunkers	0.09	0.08	0.07	0.06	-62.68
Aviation	0.01	0.01	0.01	0.01	17.28
Marine	0.08	0.07	0.06	0.05	-66.78
Multilateral Operations	NA	NA	NA	NA	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(c) POL_BR1_v2.0

Emission trends (N_2O)

(Sheet 1 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	6.88	5.66	5.77	5.75	6.23	6.12	6.18	6.55	6.45
A. Fuel Combustion (Sectoral Approach)	6.88	5.66	5.77	5.75	6.23	6.12	6.18	6.55	6.45
1. Energy Industries	3.82	3.43	3.39	3.26	3.06	3.02	2.78	2.88	2.80
2. Manufacturing Industries and Construction	0.57	0.46	0.48	0.44	0.61	0.61	0.86	0.93	0.85
3. Transport	0.57	0.64	0.66	0.69	0.67	0.69	0.73	0.87	0.94
4. Other Sectors	1.91	1.13	1.24	1.35	1.89	1.80	1.81	1.86	1.86
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Industrial Processes	16.11	11.87	10.57	10.40	11.85	11.83	13.09	13.09	12.32
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	16.11	11.87	10.57	10.40	11.85	11.83	13.09	13.09	12.32
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
D. Other Production									
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
4. Agriculture	102.14	99.25	79.47	72.54	71.34	72.79	74.79	73.42	75.03
A. Enteric Fermentation									
B. Manure Management	25.91	25.52	24.25	23.08	21.08	21.19	20.94	19.93	20.41
C. Rice Cultivation									
D. Agricultural Soils	76.19	73.69	55.18	49.43	50.21	51.56	53.82	53.46	54.58
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.06	0.05	0.03	0.18	0.05	0.05	0.04	0.06	0.04
A. Forest Land	0.03	0.03	0.01	0.16	0.03	0.03	0.02	0.05	0.02
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
D. Wetlands	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	3.74	3.59	3.65	3.65	3.62	3.49	3.53	3.54	3.49
A. Solid Waste Disposal on Land									
B. Waste-water Handling	3.68	3.55	3.61	3.61	3.58	3.45	3.49	3.50	3.45
C. Waste Incineration	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total N2O emissions including N2O from LULUCF	129.32	120.82	99.90	92.92	93.49	94.68	98.03	97.06	97.72
Total N2O emissions excluding N2O from LULUCF	129.26	120.76	99.86	92.74	93.44	94.63	97.99	97.00	97.68
Memo Items:									
International Bunkers	0.08	0.05	0.03	0.04	0.03	0.03	0.04	0.04	0.04
Aviation	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Marine	0.04	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.02
Multilateral Operations	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO2 Emissions from Biomass									

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

Table 1(c) POL_BR1_v2.0

Emission trends (N_2O)

(Sheet 2 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	6.10	6.02	5.75	5.73	5.55	5.71	5.85	5.95	6.08	6.17
A. Fuel Combustion (Sectoral Approach)	6.10	6.02	5.75	5.73	5.55	5.71	5.84	5.95	6.08	6.16
1. Energy Industries	2.70	2.62	2.56	2.59	2.50	2.61	2.58	2.62	2.70	2.67
2. Manufacturing Industries and Construction	0.72	0.64	0.62	0.56	0.55	0.52	0.52	0.46	0.46	0.48
3. Transport	1.02	1.11	0.97	0.95	0.89	0.98	1.11	1.21	1.35	1.55
4. Other Sectors	1.65	1.66	1.60	1.63	1.61	1.60	1.63	1.67	1.57	1.47
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Industrial Processes	11.43	11.24	13.68	14.03	11.65	13.86	14.20	14.94	14.86	15.42
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	11.43	11.24	13.68	14.03	11.65	13.86	14.20	14.87	14.77	15.34
C. Metal Production	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.07	0.09	0.09
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	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
4. Agriculture	76.25	73.49	70.72	70.88	70.39	68.55	69.21	69.61	73.46	75.67
A. Enteric Fermentation										
B. Manure Management	21.10	20.22	18.81	18.39	18.84	18.35	17.30	17.69	18.30	18.24
C. Rice Cultivation										
D. Agricultural Soils	55.11	53.24	51.88	52.45	51.52	50.18	51.87	51.89	55.13	57.41
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.03
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.02	0.06	0.05	0.03	0.05	0.10	0.05	0.05	0.05	0.03
A. Forest Land	0.01	0.03	0.02	0.01	0.02	0.07	0.01	0.02	0.02	0.01
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
D. Wetlands	0.01	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	3.58	3.58	3.56	3.56	3.60	3.60	3.53	3.52	3.53	3.61
A. Solid Waste Disposal on Land										
B. Waste-water Handling	3.53	3.54	3.51	3.50	3.53	3.54	3.48	3.47	3.48	3.56
C. Waste Incineration	0.05	0.04	0.05	0.07	0.07	0.06	0.05	0.05	0.05	0.05
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total N2O emissions including N2O from LULUCF	97.79	94.79	94.17	94.64	91.64	92.23	93.22	94.48	98.38	101.30
Total N2O emissions excluding N2O from LULUCF	97.76	94.74	94.12	94.61	91.59	92.13	93.17	94.43	98.33	101.27
Memo Items:										
International Bunkers	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
Aviation	0.03	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.04	0.04
Marine	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
Multilateral Operations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO2 Emissions from Biomass										

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

Table 1(c) POL_BR1_v2.0

Emission trends (N_2O)

(Sheet 3 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	%
1. Energy	6.26	6.30	6.74	6.77	-1.58
A. Fuel Combustion (Sectoral Approach)	6.26	6.30	6.74	6.77	-1.58
1. Energy Industries	2.61	2.59	2.70	2.76	-27.85
2. Manufacturing Industries and Construction	0.47	0.46	0.50	0.52	-9.55
3. Transport	1.68	1.74	1.87	1.91	234.83
4. Other Sectors	1.51	1.51	1.66	1.58	-17.42
5. Other	IE, NO	IE, NO	IE, NO	IE, NO	0.00
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	0.00	64.91
1. Solid Fuels	NA	NA	NA	NA	0.00
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	64.91
2. Industrial Processes	13.01	3.54	3.79	3.49	-78.30
A. Mineral Products	NA	NA	NA	NA	0.00
B. Chemical Industry	12.93	3.50	3.74	3.43	-78.68
C. Metal Production	0.08	0.04	0.05	0.06	100.00
D. Other Production					
E. Production of Halocarbons and SF6					
F. Consumption of Halocarbons and SF6					
G. Other	NO	NO	NO	NO	0.00
3. Solvent and Other Product Use	0.40	0.40	0.40	0.40	0.00
4. Agriculture	76.66	74.26	72.12	73.60	-27.94
A. Enteric Fermentation					
B. Manure Management	17.37	16.66	16.79	16.48	-36.41
C. Rice Cultivation					
D. Agricultural Soils	59.25	57.56	55.29	57.09	-25.07
E. Prescribed Burning of Savannas	NA	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	0.04	0.04	0.03	0.03	-10.41
G. Other	NA	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.03	0.03	0.03	0.03	-48.57
A. Forest Land	0.01	0.01	0.01	0.01	-65.12
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	0.00
C. Grassland	0.00	0.00	0.00	0.00	-86.08
D. Wetlands	0.02	0.02	0.02	0.02	-19.84
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	0.00
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	0.00
G. Other	NA	NA	NA	NA	0.00
6. Waste	3.50	3.57	3.60	3.61	-3.50
A. Solid Waste Disposal on Land					
B. Waste-water Handling	3.48	3.54	3.57	3.58	-2.78
C. Waste Incineration	0.03	0.03	0.03	0.03	-46.76
D. Other	NO	NO	NO	NO	0.00
7. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	0.00
Total N2O emissions including N2O from LULUCF	99.87	88.11	86.67	87.90	-32.03
Total N2O emissions excluding N2O from LULUCF	99.84	88.07	86.65	87.87	-32.02
Memo Items:					
International Bunkers	0.07	0.07	0.06	0.06	-27.40
Aviation	0.05	0.04	0.05	0.04	21.60
Marine	0.02	0.02	0.02	0.01	-66.78
Multilateral Operations	NA	NA	NA	NA	0.00
CO2 Emissions from Biomass					

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

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

Custom Footnotes

Table 1(d) POL_BR1_v2.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 1 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO2 eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	189.90	292.49	415.91
HFC-23	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	IE, NA, NO	0.00	0.00
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.02	0.02	0.02
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.05	0.12	0.19
HFC-152a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.02	0.02	0.03
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCs(4) - (Gg CO_2 equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO2 eq)	127.55	122.88	122.40	116.61	125.47	132.33	148.96	139.45	149.56
CF_4	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
C_2F_6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C_4F_{10}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00
c-C_4F_8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C_5F_{12}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C_6F_{14}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO_2 equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF6(3) - (Gg CO2 equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	13.91	30.53	24.95	24.02
SF_6	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00

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

Table 1(d) POL_BR1_v2.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 2 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO2 eq)	505.30	724.26	1,127.78	1,717.39	2,221.21	2,723.42	3,482.23	4,424.87	5,053.80	5,641.57
HFC-23	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00	0.00	IE, NA, NO	0.00	0.02	0.01	0.00
HFC-32	NA, NO	NA, NO	0.00	0.00	0.01	0.01	0.03	0.08	0.10	0.13
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-125	0.03	0.04	0.07	0.11	0.14	0.18	0.23	0.28	0.34	0.42
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.23	0.31	0.46	0.70	0.90	1.03	1.38	1.75	2.05	2.22
HFC-152a	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00	0.00	0.00	0.00
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	0.03	0.05	0.09	0.13	0.17	0.23	0.27	0.29	0.33	0.39
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCs(4) - (Gg CO_2 equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO2 eq)	150.87	145.27	151.88	168.74	177.61	172.31	175.86	160.65	166.08	158.41
CF_4	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
C_2F_6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C_4F_{10}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c-C_4F_8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C_5F_{12}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C_6F_{14}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO_2 equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF6(3) - (Gg CO2 equivalent)	25.09	24.64	24.18	23.96	24.41	21.72	23.44	28.09	34.80	32.66
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.

Table 1(d) POL_BR1_v2.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 3 of 3) CRF: POL_CRF__ v2.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	%
Emissions of HFCsc - (kt CO2 eq)	5,114.06	5,453.34	5,694.34	6,210.80	100.00
HFC-23	0.00	0.00	0.00	0.00	100.00
HFC-32	0.17	0.19	0.21	0.24	100.00
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-43-10mee	0.00	0.00	0.00	0.00	100.00
HFC-125	0.41	0.47	0.53	0.60	100.00
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-134a	1.95	1.95	1.84	1.90	100.00
HFC-152a	0.00	0.03	0.06	0.07	100.00
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-143a	0.34	0.38	0.44	0.49	100.00
HFC-227ea	0.01	0.01	0.01	0.01	100.00
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed HFCs(4) - (Gg CO_2 equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	0.00
Emissions of PFCsc - (kt CO2 eq)	139.85	59.24	56.13	49.88	-60.89
CF_4	0.02	0.01	0.01	0.01	-70.94
C_2F_6	0.00	0.00	0.00	0.00	-70.94
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	0.00
C_4F_{10}	0.00	0.00	0.00	0.00	100.00
c-C_4F_8	NA, NO	NA, NO	NA, NO	NA, NO	0.00
C_5F_{12}	NA, NO	NA, NO	NA, NO	NA, NO	0.00
C_6F_{14}	NA, NO	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO_2 equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	0.00
Emissions of SF6(3) - (Gg CO2 equivalent)	34.46	39.42	37.07	40.90	100.00
SF_6	0.00	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.

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

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

Custom Footnotes

Documentation Box:

Table 2(a) POL_BR1_v2.0

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

Party	*Poland*	
Base year /base period	1988	
Emission reduction target	% of base year/base period 20.00	% of 1990 [b]
Period for reaching target	2013-2020	

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

[b] Optional.

Table 2(b) POL_BR1_v2.0

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

Gases covered		*Base year for each gas (year):*
CO_2		1988
CH_4		1988
N_2O		1988
HFCs		1995
PFCs		1995
SF_6		1995
NF_3		To be decided
Other Gases (specify)		
Sectors covered[b]	Energy	Yes
	Transport[f]	Yes
	Industrial processes[g]	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	

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

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

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

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

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

Table 2(c) POL_BR1_v2.0

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

Gases	*GWP values* [b]
CO_2	4nd AR
CH_4	4nd AR
N_2O	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 prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

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

Table 2(d) POL_BR1_v2.0

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

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

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

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

Table 2(e)I POL_BR1_v2.0

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

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

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

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

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

[i] AAUs issued to or purchased by a Party.

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

Table 2(e)II POL_BR1_v2.0

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

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

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

Description of quantified economy-wide emission reduction target: any other information[a,b]

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

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

Custom Footnotes

Table 3 POL_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)*						
									2008	*2009*	*2010*	*2011*	*2015*	*2020*	*2025*
Reduction in the environmental road transport	Transport	CO_2, N_2O	Reductions in vehicle exhaust gas emissions	Education|Regulatory|Other (financial, technical)	Implemented	Differentiated rates of charges for travels on national roads, depending on the levels of vehicle exhaust gas emissions, charges for the use of motor fuels generated from non-renewable sources, the information system concerning fuel consumption and CO2 emissions from new passenger cars, the mandatory control of exhaust gas emissions as part of inspections of the technical condition of vehicles, support for the purchase of environment–friendly vehicles within the framework of regional operational programmes and the Green Investment Scheme, the adoption of more stringent emission standards for internal-combustion engines. Preferential tax rate on LPG in comparison to traditional fuels, tax reliefs for bio-components for motor fuels (dehydrated alcohols, ethers and esters), special prices of gaseous fuel, mechanisms supporting the construction of installations to produce bio-components and biofuels, as well as promoting the use of these fuels (the production of biofuels for own use, selected fleets, the excise tax). Improvements in the efficiency of fuel consumption in new commissioned cars, trucks and buses (the development of the electric drive technology of the plug-in and hybrid types in buses).The conduct of public campaigns on the impact of the operation of roadworthy vehicles and the limitation of the speed of motor vehicles on reductions in environmental pollution, including greenhouse gas emissions. (2)		Minister responsible for transport, Minister responsible for the economy, Minister responsible for regional development, Minister responsible for finance, Minister responsible for the environment, National Road Traffic Safety Council, National Fund for Environmental Protection and Water Management (NFOŚiGW)				2,241.39	3,246.50	4,982.59
Enhanced share of alternative fuels in transport	Transport	CO_2	Enhanced use of LPG and biofuels	Fiscal	Implemented	Preferential tax rate on LPG in comparison to traditional fuels, tax reliefs for bio-components for motor fuels (dehydrated alcohols, ethers and esters), special natural gas prices and the obligation to introduce bio-components into fuels, mechanisms supporting the construction of installations to produce bio-components and biofuels. (1)		Minister responsible for the economy, Minister responsible for finance, Minister responsible for transport, Minister responsible for regional development, Minister responsible for the environment, NFOŚiGW							
Rail Transport	Transport	CO_2	Improvements in energy efficiency	Other (Regulatory)	Implemented	Modernisation of rail infrastructure (including railway stations), the purchase and modernisation of rolling stock. Putting in operation lightweight railcars, i.e. railbuses designed to serve the local traffic,. adapting the number of train carriages to the transport needs and replacing traditional trains by lightweight railcars on lines with lesser passenger streams. Modernisation of rail infrastructure enabling higher traffic speeds and travel frequency of trains.		Minister responsible for transport, State Railways Track Manager (PKP PLK), territorial self-government units					NA	NA	
Sea shipping	Transport	CO_2, N_2O	Improvements in energy efficiency	Regulatory	Implemented	Drafting and adoption of international regulations concerning the Energy Efficiency Design Index (EEDI) for newly built ships.		Minister responsible for transport					NA	NA	

Table 3 POL_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)*						
									2008	*2009*	*2010*	*2011*	*2015*	*2020*	*2025*
Air Transport	Transport	CO_2, N_2O	Reductions in fuel consumption	Other (Regulatory)	Implemented	Activities to establish the Single European Sky (SES), carbon accreditations ACI, restructuring of the system of air traffic routes, strengthening of emission standards, economical management of propellants		Minister responsible for transport					NA	NA	
City transport, including public transport	Transport	CO_2, N_2O	A decrease in the traffic of passenger cars, improvements in energy efficiency	Other (Regulatory)	Implemented	Use of a system of incentives encouraging the use of collective transport. Construction of ring roads (both outside cities and the so-called internal city ring roads), the improvement of the condition of the road surface and the appropriate change in the traffic organisation.		territorial self-government units and other entities, mainly General Directorate of National Roads and Motorways (GDDKiA)					NA	NA	
Intermodal transport	Transport	CO_2, N_2O	A decrease in road transport	Other (Other (financial, administrative))	Implemented	Development of intermodal transport as an alternative to the dominating road transport through the construction and modernisation of terminals, the purchase of a fleet and cut rates of charges for access to rail infrastructure.		Minister responsible for transport, carriers, terminal managers					NA	NA	
Cycling transport	Transport	CO_2, N_2O	An increase in cycle traffic	Other (Regulatory)	Implemented	Amendments to legal regulations, the construction of cycle paths, the introduction of a system of public cycle hire facilities in cities and the promotion of the bicycle as a means of transport; promotion of cycling transport.		Minister responsible for transport, Minister responsible for regional development, Minister responsible for sports, territorial self-government units					NA	NA	
The requirements related to the energy standard in construction	Other (Construction)	CO_2	A decrease in energy consumption	Regulatory	Implemented	Expansion and modification of technical construction regulations concerning the thermal protection of buildings.		Minister responsible for infrastructure and development					NA	NA	
The assessment of the energy performance of buildings	Other (Construction)	CO_2	A decrease in energy consumption	Regulatory	Implemented	Energy performance certificates and inspections of heating and air-conditioning systems.		Minister responsible for infrastructure and development					NA	NA	
The promotion of the use of renewable energy sources	Other (Construction)	CO_2	An increase in RES consumption	Other (Regulatory)	Implemented	Promotion of high-efficiency systems for supply of electricity and heat using energy from renewable sources.		Minister responsible for infrastructure and development Minister responsible for the economy, National Fund for Environmental Protection and Water Management (NFOŚiGW),Minister responsible for the environment					NA	NA	
Thermal modernisation of buildings	Other (Construction)	CO_2	A decrease in energy consumption	Other (financial)	Implemented	Financial support for thermal modernisation projects. (3)		Minister responsible for infrastructure and development			15,673.00		16,000.00	16,000.00	16,000.00
The raising of the awareness of managers and owners of buildings concerning energy savings	Other (Construction)	CO_2	Improvements in energy efficiency	Education	Implemented	Popularisation of measures to save energy.		Minister responsible for infrastructure and development					NA	NA	

Table 3 POL_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)*						
									2008	*2009*	*2010*	*2011*	*2015*	*2020*	*2025*
The rationalisation of the use of fertilisers, including nitrogen fertilisers	Agriculture	N_2O	Correct use of fertilisers	Other (Regulatory)	Implemented	A limitation of the natural fertiliser dose to 170 kg N/ha/year, a ban on the use of natural fertilisers from the end of November to the beginning of March, mandatory training courses for farmers who use fertilizers and a ban on the use of fertilisers on water-saturated, snow-covered and frozen soils and in fields with a slope of more than 10% were introduced. The obligation to prepare a fertilisation plan was imposed on large commercial farms. The fertiliser extension system is disseminated. The mineral nitrogen content in the soils of arable lands and grasslands is also monitored on a regular basis.		institutes, chemical and agricultural stations, farmers					NA	NA	
The rationalisation of energy management in agriculture, including the production of energy from biomass from waste, liquid manure and solid manure	Agriculture	CO_2, CH_4	A decrease in energy consumption and the use of RES	Regulatory|Research|Education|Other (organisational)	Implemented	Continued process of building new biogas plants, urine and liquid manure tanks and manure plates; adaptation of local boiler-houses to burn wood biomass and straw; increased consumption of ethanol and bioethanol in fuels; use of more energy efficient agricultural machinery and equipment; improvements in the biogas production processes at agricultural biogas plants; research and development work to develop technologies to increase the yield rate and methane content in biogas from locally acquired substrates and feeds on the sites where agricultural biogas plants are built; promotion of the use of renewable energy in agriculture.		self-government administration, advisers, entrepreneurs, farmers, institutes					NA	NA	3.75
Improvements in animal feeding techniques and feed management	Agriculture	CO_2, CH_4	A decrease in gas emissions	Other (Regulatory)	Implemented	Implementation of breeding programmes and precise animal feeding standards combined with higher productivity and the resulting reduction in the livestock population.		farmers						NA	NA	2.90
Afforestation of agricultural land and non-agricultural land	Agriculture	CO_2	Greater CO2 removals	Other (Regulatory)	Implemented	Afforestation of agricultural land and non-agricultural land within in the framework of the Rural Development Programme . (8)		Agency for Restructuring and Modernisation of Agriculture , farmers	60.25	200.41	368.63	432.54	NA	NA	
Preferences for crops with high CO2 capture	Agriculture	CO_2	Greater CO2 removals	Regulatory|Research|Education|Other (financial)	Implemented	Support for the cultivation of plants for energy purposes. Improvements in technologies for growing and harvesting energy plants and research to develop technologies and to implement the cultivation of new species of energy plants		Agricultural Property Agency (ANR), farmers, institutes					NA	NA	16.64
The rational management of farmland (arable land and permanent grassland)	Agriculture	CO_2	Protection of soil against mineralisation	Regulatory|Research|Education|Other (organisational, financial)	Implemented	The requirement to comply with the practices of good agricultural culture, such as the minimum soil cover and crop rotation under the EU Common Agricultural Policy. Dissemination of conservation methods for soil cultivation without ploughing designed to reduce gas emissions from mineralisation of organic matter. Research on the halting of mineralisation of organic soils used as meadows and pastures by their irrigation and the limitation of groundwater runoff.		institutes, advisers, agricultural machinery industry					NA	NA	

Table 3 POL_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)*						
									2008	*2009*	*2010*	*2011*	*2015*	*2020*	*2025*
Improvements in livestock keeping systems, reductions in methane emissions from animal excreta	Agriculture	CH_4, N_2O, Other (NH3)	Greater NH4 removals	Research	Implemented	Research and development work to develop new technological systems of buildings and new livestock keeping methods - partial covering of the coop by a grid, increasing the angle of inclination of the floor (faster excreta runoff) , the storage and disposal of animal excreta.		institutes, farmers					NA	68.99	391.59
The elimination of gaseous pollutants emitted from poultry buildings by using phytomediation and solar ventilation	Agriculture	CH_4, Other (NH3)	Reductions in pollutants	Research	Implemented	Research to estimate and select the most suitable plants for applications of this type; moreover, the development of modified henhouses with solar ventilation is envisaged.		institutes, production enterprises					NA	NA	
Enhanced recycling of municipal waste	Waste management/waste	CH_4, CO_2, N_2O	Enhanced recycling	Other (Regulatory)	Implemented	Increasing the recycling of selected fractions of municipal waste. The achievement of the levels of recycling and preparing for the re-use of paper, metals, plastics and glass of at least 50% by weight by the end of 2020. (5) Information for 2015; (4) Information for other years		self-government administration	641.30	574.10	663.50	779.20	3,250.00	4,250.00	
Waste as a source of energy	Waste management/waste	CH_4, CO_2	Energy supply from waste	Other (Regulatory)	Implemented	Energy supply as a result of the application of waste incineration processes and the processing of landfill gas. (6)		self-government administration, inspection services (environmental inspectorate), entrepreneurs	159.20	210.80	271.00	373.90	NA	NA	
The reduction of the quantity of waste, including biodegradable waste, going to landfills of non-hazardous and inert (municipal) waste	Waste management/waste	CH_4, CO_2	Reduction of the quantity of waste deposited at landfills	Other (Regulatory)	Implemented	Reduction of the quantity of waste (including biodegradable waste) going to municipal waste landfills. (7)		government administration, self-government administration (Marshals' Offices), inspection services (environmental inspectorate);					574.50	517.50	
Taking action against land use change	Forestry/LULUCF	CO_2	Maintenance of the existing forest areas	Regulatory	Implemented	Conversion of forest land to non-forest uses is of marginal significance in relation to the continuously growing total surface area of forests and is slight.		State Forests National Forest Holding					NA	NA	
The rationalisation of forest management, incentives and measures supporting afforestation and the protection of the ecological stability of forests	Forestry/LULUCF	CO_2	Enhancement of forest areas	Regulatory	Implemented	Afforestation of non-forest lands, reforestation, the enhancement of standing timber resources and timber logging which cannot exceed 50–60% of the annual increment. In 2006, the afforestation took place on a total of 22,800 ha of lands, including 4,800 ha of the State Treasury lands, and in 2007, respectively, on 9,000 ha and 3,200 ha of lands.		State Forests National Forest Holding					NA	NA	
Stimulation of the development of cogeneration	Energy	CO_2	Improvements in energy efficiency	Other (Regulatory)	Implemented	A system of mechanisms of support for combined heat and power production. (3)		Minister responsible for the economy	223.47	199.89	30.01	30.01			
Modernisation of local heating networks and the connection of heat users	Energy	CO_2	Improvements in energy efficiency	Other (Regulatory)	Implemented	A system of mechanisms of support for energy efficiency improvement. (3)		Minister responsible for the economy	84.96	143.06	127.14	171.57			
Modernisation of heat sources	Energy	CO_2	Improvements in energy efficiency	Other (Regulatory)	Implemented	A system of mechanisms of support for energy efficiency improvement. (3)		Minister responsible for the economy	60.89	287.56	96.60	119.97			
Moderisation of industrial installations	Energy	CO_2	Improvements in energy efficiency	Other (Regulatory)	Implemented	A system of mechanisms of support for energy efficiency improvement. (3)		Minister responsible for the economy	4.35	5.72	NA				
Modernisation of lighting systems	Energy	CO_2	Improvements in energy efficiency	Other (Other (financial))	Implemented	A system of mechanisms of support for energy efficiency improvement . (3)		Minister responsible for the economy	0.22	0.61	NA				
Support for the use of methane from hard coal mines to produce electricity and heat	Energy	CH_4	Use of methane for energy purposes	Other (Regulatory)	Implemented	Industrial use of methane from methane removal from hard coal mines. (3)		Minister responsible for the economy	265.32	NA	NA				

Table 3 POL_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)*						
									2008	*2009*	*2010*	*2011*	*2015*	*2020*	*2025*
Support for the development of energy from renewable sources	Energy	CO_2, CH_4	Enhanced use of RES	Other (Regulatory)	Implemented	The sales of electricity from RES were exempted from the excise tax. The obligation to obtain a specific number of certificates of origin for electricity generated from renewable energy sources was imposed on energy companies selling electricity to end users. (3)		Minister responsible for the economy			135.09		187.05	163.85	169.85
Improvements in technical standards of installations and equipment	Industry/industrial processes	CO_2	Improvements in energy efficiency	Regulatory	Implemented	Improvement in the energy efficiency of industrial production.		Minister responsible for the economy					NA	NA	
Fluorinated greenhouse gases	Industry/industrial processes	HFCs, PFCs, SF_6	Reductions in the consumption of the gases	Other (Regulatory)	Implemented	Introduction of mechanisms for monitoring and control of consumption.		Minister responsible for the environment, Minister responsible for the economy					NA	NA	
Implementation of the best available techniques	Industry/industrial processes	Other (all GHGs)	Emissions reductions	Other (Regulatory)	Implemented	Prevention and minimisation of emissions.		Minister responsible for the environment					NA	NA	
Reductions in methane emissions from fuel production and distribution processes	Industry/industrial processes	CH_4	Reduced losses in fuel trading	Regulatory	Implemented	Introduction of hermetic systems at fuel stations to gain savings in trading in liquid fuels (on average 0.37%).		Minister responsible for the economy					NA	NA	
Promotion of environmentally friendly and effective practices and technologies in industrial activities and support for the development of environment-friendly and technically cost-effective methods for greenhouse gas emission	Industry/industrial processes	CO_2	Dissemination of environmentally friendly practices and technologies	Education	Implemented	Popularisation of the best techniques in the individual fields of production.		Minister responsible for the economy					NA	NA	
Technological modernisation at industrial plants	Industry/industrial processes	CO_2	Improvements in energy efficiency and lower emission intensity	Other (Regulatory)	Implemented	Improvement in energy efficiency and the replacement of fuels by low-emission ones.		Minister responsible for the economy					NA	NA	

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

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

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

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

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

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

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

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

Custom Footnotes

NA - Not Available

(1) The recorded or predicted share of bio-components and other renewable fuels in the total quantity of liquid fuels and liquid biofuels used in transport: 2010: 5.75%; 2015: 7.1%, 2020: 10%.On the basis of the values of the National Overall Target pursuant to the Regulation of the Council of Ministers of 23 July 2013 on the National Overall Targets for 2013-2018 (Official Journal of the Laws, Item 918) and the information provided in the Report to the European Commission on the support for the use of biofuels and other renewable fuels in transport in 2012.

Table 3 POL_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)*						
									2008	*2009*	*2010*	*2011*	*2015*	*2020*	*2025*

(2) Own calculations based on “Expert forecasts of changes in the activity of the road transport sector (in the context of the Act on the System to Manage the Emissions of Greenhouse Gases and Other Substances of 17 July 2009)", Motor Transport Institute, Warsaw 2012; “Forecasts of transport demand in Poland until 2020 and 2030”, Jan Burnewicz, Sopot 2012. The forecast emission reductions were determined in relation to 2010.

(3)The effect of projects supported with the resources of the Voivodeship Funds for Environmental Protection and Water Management.

(4) Calculations based on data from GUS Yearbooks and the document “Recycling for climateprotection. Reducing greenhouse gas emissions – showing responsibility towards future generations” ALBA Group. The following indicators were used (calculated after the document of ALBA Group) for different type of recycled material (GHG emissions [t] “avoided” per 1t of recycled material): WEEE - 1.016, Plastics - 0.958, Paper, cardboard, paperboard - 0.402, Glass - 0.295.

(6) Calculations based on: GUS statistical data on the quantity of heat [GJ] and electricity [MWh] produced in a given year and assumptions (sources: “Methane Tracking and Mitigation Options - EPA-CMOP”, www.epa.gov; “Optimising anaerobic digestion”, C. Banks, www.forestry.gov.uk) Calorific value of CH4= 37 MJ/m3 = 0.037 GJ/m3 , 1m3 CH4= 0.662 kg CH4; 1 kg CH4 = 21 kg CO2 eq; 1m3 CH4= 10 kWh = 0.01 MWh

(7) Expert assessment – an estimate based oncalculations of “unavoided” CO2 eq emissions in 2005-2011 from waste landfills. The following information was used: the CO2 eq emissions per kg of waste deposited at landfills – 0.39 m3 (source:http://marekpilawski.com, accessed on 24 May 2013), CO2 density – 1.96 kg/m3, GUS data onthe quantity of waste deposited at landfills in a given year and GUS data onthe quantity of waste deposited at landfills in a given year.Emission reduction by at least 5-10%: in 2015 relative to 2010 (by 383-766 Gg CO2 eq); in 2020 relative to 2015 (by 345-728 Gg CO2 eq).

(8) Based on the methodology and data used in the national inventory to assess the carbon balance in afforestation projects under the KP-LULUCF.

(5) Expert assessment - estimates based on statistical data from GUS onthe quantities of the individual fractions of municipal waste collectedselectively in a given year (assuming its linear growth) ; the document "Wasteand Climate Change: Global Trends and Strategy Framework", UNEP 2010. Thefollowing indicators wee used for type of recycled material (CO2 emissions [kgCO2 eq.] "avoided" per 1 t of recycled material): Plastics - 500;Aluminium - 10,000; Steel - 2,000; Paper - 1,550; Glass - 500.

Table 4 POL_BR1_v2.0

Reporting on progress[a, b]

	Total emissions excluding LULUCF	*Contribution from LULUCF* [d]	*Quantity of units from market based mechanisms under the Convention*		*Quantity of units from other market based mechanisms*	
Year [c]	*(kt CO_2 eq)*	*(kt CO_2 eq)*	*(number of units)*	*(kt CO_2 eq)*	*(number of units)*	*(kt CO_2 eq)*
(1988)	563,442.77	NA				
2010						
2011	399,389.55		200,110,158.00	200,110.16		
2012			1,000.00	1.00		

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 prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

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

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

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

Custom Footnotes

Table 4(a)I POL_BR1_v2.0

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

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

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

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

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

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

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

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

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

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

Custom Footnotes

Table 4(a)I POL_BR1_v2.0

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

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

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

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

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

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

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

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

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

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

Custom Footnotes

Table 4(a)II

POL_BR1_v2.0
Source: POL_CRF__ v2.2

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

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	*Base year*[d]	*Net emissions/removals*[e]					*Accounting parameters*[h]	*Accounting quantity*[i]
		2008	2009	*2010*	*2011*	Total[g]		
	(kt CO_2 eq)							
A. Article 3.3 activities								
A.1. Afforestation and Reforestation								-22'686.20
A.1.1. Units of land not harvested since the beginning of the commitment periodj		-5,158.57	-5,515.64	-5,819.83	-6,192.16	-22,686.20		-22'686.20
A.1.2. Units of land harvested since the beginning of the commitment periodj								IE,NO
A.2. Deforestation		258.02	268.07	229.03	235.67	990.78		990.78362
B. Article 3.4 activities								
B.1. Forest Management (if elected)		-27,408.87	-28,168.61	-28,043.34	-25,232.72	-108,853.53		-15033.33333
3.3 offset[k]							0	0
FM cap[l]							15033.33333	-15033.33333
B.2. Cropland Management (if elected)	0	NA	NA	NA	NA	NA	0	0
B.3. Grazing Land Management (if elected)	0	NA	NA	NA	NA	NA	0	0
B.4. Revegetation (if elected)	0	NA	NA	NA	NA	NA	0	0

Note: 1 kt CO_2 eq equals 1 Gg CO_2 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 prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

[b] 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:

Table 4(b) POL_BR1_v2.0

Reporting on progress[a, b, c]

Units of market based mechanisms			*Year*	
			2011	*2012*
Kyoto Protocol units[d]	*Kyoto Protocol units*	*(number of units)*	200,110,158.00	1,000.00
		(kt CO_2 eq)	200,110.16	1.00
	AAUs	*(number of units)*	184,381,734.00	0.00
		(kt CO2 eq)	184,381.73	0.00
	ERUs	*(number of units)*	1,816,297.00	0.00
		(kt CO2 eq)	1,816.30	0.00
	CERs	*(number of units)*	13,912,127.00	1,000.00
		(kt CO2 eq)	13,912.13	1.00
	tCERs	*(number of units)*	NO	NO
		(kt CO2 eq)	NO	NO
	lCERs	*(number of units)*	NO	NO
		(kt CO2 eq)	NO	NO
Other units[d,e]	*Units from market-based mechanisms under the Convention*	*(number of units)*		
		(kt CO_2 eq)		
	Units from other market-based mechanisms	*(number of units)*		
		(kt CO_2 eq)		
Total		*(number of units)*	200,110,158.00	1,000.00
		(kt CO_2 eq)	200,110.16	1.00

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, lCERs = long-term certified emission reductions, tCERs = temporary certified emission reductions.
Note: 2011 is the latest reporting year.

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

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

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

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

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

Custom Footnotes

Table 5 POL_BR1_v2.0

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

Key underlying assumptions		*Historical*[b]						Projected			
Assumption	*Unit*	*1990*	*1995*	2000	2005	2010	2011	2015	2020	2025	2030
GDP growth rate	%								105.20	105.70	104.60
Value added	%								105.00	105.40	104.40
Final energy demand - industry	Mtoe							19.00	20.90	23.00	24.00
Final energy demand - transport	Mtoe							16.50	18.70	21.20	23.30
Final energy demand - agriculture	Mtoe							4.90	5.00	4.50	4.20
Final energy demand - services	Mtoe							7.70	8.80	10.70	12.80
Final energy demand - households	Mtoe							19.10	19.40	19.90	21.10
Final energy demand - total	Mtoe							67.30	72.70	79.30	84.40
Net electricity production	TWh							140.10	156.10	180.30	201.80
Input data for Sector 1.A.3.b Road Transport - Motor gasoline consumption	PJ							164.18	157.16	149.65	134.55
Input data for Sector 1.A.3.b Road Transport - Diesel oil consumption	PJ							398.84	444.53	461.65	462.71
Input data for Sector 2. Industrial Processes - Clinker cement production	Gg							15,000.00	16,500.00	18,500.00	20,500.00
Input data for Sector 2. Industrial Processes - Ammonia production	Gg							2,700.00	3,000.00	3,000.00	3,100.00
Input data for Sector 2. Industrial Processes - Iron ore sinter production	Gg							12,000.00	12,000.00	12,000.00	12,000.00
Input data for Sector 2. Industrial Processes - Pig iron production in blast furnaces	Gg							6,200.00	6,200.00	6,200.00	6,200.00
Input data for Sector 3. Solvent and Other Product Use - Paint application	NMVOC emission [Gg]							107.40	107.40	107.40	107.40
Input data for Sector 3. Solvent and Other Product Use - Other solvent uses	NMVOC emission [Gg]							53.25	53.25	53.25	53.25
Input data for Sector 4. Agriculture - Consumption of nitrogen fertilisers	thousand ton							1,110.00	1,175.00	1,210.00	1,250.00
Input data for Sector 4. Agriculture - Cattle population	thousand heads							5,600.00	5,800.00	6,000.00	6,200.00
Input data for Sector 4. Agriculture - Milk cows population	thousand heads							2,500.00	2,300.00	2,100.00	1,900.00
Input data for Sector 5. LULUCF - Changes in the area occupied - Forest land	kha							9,427.00	9,549.00	9,671.00	9,793.00
Input data for Sector 5. LULUCF - Changes in the area occupied - Cropland	kha							14,049.00	13,882.00	13,712.00	13,549.00
Input data for sector 5. LULUCF - Changes in the area occupied - wetland	kha							1,373.00	1,379.00	1,384.00	1,390.00
Input data for Sector 5. LULUCF - Standing timber resources	million m3							2,237.15	2,352.30	2,436.00	2,519.70
Input data for Sector 6. Waste - Quantity of solid municipal waste generated in the country	Gg							13,246.00	14,254.00	15,399.00	16,544.00
Input data for Sector 6. Waste - Quantity of landfilled industrial waste	Gg							83.00	83.00	83.00	83.00
Input data for Sector 6. Waste - Quantity of discharged industrial wastewater	million m3							131.25	131.25	131.25	131.25
Input data for Sector 6. Waste - Quantity of discharged municipal wastewater	million m3							1,260.40	1,260.40	1,260.40	1,260.40
Input data for Sector 6. Waste - Quantity of incinerated municipal waste	Gg							40.20	40.20	40.20	40.20
Input data for Sector 6. Waste - Quantity of incinerated industrial waste	*Gg*							116.31	116.31	116.31	116.31

[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) POL_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)							($kt CO_2$ eq)	
	Base year (1988)	1990	1995	2000	2005	2010	2011	2020	2030
Sector[d,e]									
Energy	448,049.96	353,596.54	338,501.72	290,247.86	282,225.85	282,161.66	276,518.73	242,106.99	251,985.93
Transport	22,259.11	20,472.74	23,366.23	27,549.98	35,069.04	48,113.69	48,687.22	51,212.51	56,203.26
Industry/industrial processes	33,838.65	22,654.21	22,466.32	22,085.76	28,621.87	26,729.87	29,508.55	39,084.80	41,951.77
Agriculture	50,893.90	49,655.35	37,077.84	34,462.84	33,787.05	34,560.56	34,929.80	35,138.64	37,804.60
Forestry/LULUCF	-32,926.48	-16,329.24	-5,639.62	-8,297.52	-21,635.62	-25,022.21	-21,912.35	-15,196.91	-7,921.09
Waste management/waste	8,401.16	10,635.81	11,048.33	11,034.38	10,526.90	10,104.57	9,745.25	10,112.33	10,619.75
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	436,209.10	353,746.11	350,447.29	305,018.53	294,146.08	305,309.21	306,138.93	289,033.40	313,476.46
CO_2 emissions excluding net CO_2 from LULUCF	469,143.82	372,288.35	358,302.29	315,539.64	318,019.54	332,573.75	330,309.43	306,518.06	323,722.53
CH_4 emissions including CH_4 from LULUCF	53,672.51	49,362.87	45,613.49	41,567.84	40,547.64	38,682.41	37,787.07	37,804.59	39,017.04
CH_4 emissions excluding CH_4 from LULUCF	53,665.03	47,166.41	43,410.47	39,361.03	38,325.61	36,448.45	35,537.91	35,516.85	36,692.06
N_2O emissions including N_2O from LULUCF	40,334.29	37,453.55	30,390.65	29,193.09	29,287.76	26,868.99	27,249.62	27,526.86	29,708.27
N_2O emissions excluding N_2O from LULUCF	40,333.53	37,437.00	30,378.30	29,176.30	29,271.96	26,860.62	27,240.63	27,526.86	29,708.27
HFCs	26.44	0.00	189.90	1,127.78	4,424.87	5,694.34	6,210.80	8,002.73	8,351.67
PFCs	250.18	122.88	148.96	151.88	160.65	56.13	49.88	49.88	49.88
SF_6	23.77	0.00	30.53	24.18	28.09	37.07	40.90	40.90	40.90
Other (specify)									
Total with LULUCF[f]	530,516.29	440,685.41	426,820.82	377,083.30	368,595.09	376,648.15	377,477.20	362,458.36	390,644.22
Total without LULUCF	563,442.77	457,014.64	432,460.45	385,380.81	390,230.72	401,670.36	399,389.55	377,655.28	398,565.31

Table 6(a) POL_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)							(kt CO_2 eq)	
	Base year (1988)	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 7 POL_BR1_v2.0

Provision of public financial support: summary information in 2011[a]

Allocation channels	*Year*									
	Polish zloty - PLN					*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:	3,952,343.00				3,952,343.00	1,333,720.00				1,333,720.00
Multilateral climate change funds[g]	594,700.00				594,700.00	200,682.00				200,682.00
Other multilateral climate change funds[h]	594,700.00				594,700.00	200,682.00				200,682.00
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies	3,357,643.00				3,357,643.00	1,133,038.00				1,133,038.00
Total contributions through bilateral, regional and other channels	34,647,000.00		7,044,000.00		27,603,000.00	11,692,000.00		2,377,000.00		9,315,000.00
Total	38,599,343.00		7,044,000.00		31,555,343.00	13,025,720.00		2,377,000.00		10,648,720.00

Abbreviation: USD = United States dollars.

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

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

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

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

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

[f] Please specify.

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

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

Custom Footnotes

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

Table 7 POL_BR1_v2.0

Provision of public financial support: summary information in 2012[a]

Allocation channels	*Year*									
	Polish zloty - PLN					*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(a) POL_BR1_v2.0

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

Donor funding	*Total amount*				*Status[b]*	*Funding source[f]*	*Financial instrument[f]*	*Type of support[f, g]*	*Sector[c]*
	Core/general[d]		*Climate-specific[e]*						
	Polish zloty - PLN	*USD*	*Polish zloty - PLN*	*USD*					
Total contributions through multilateral channels	3,952,343.00	1,333,720.00	3,952,343.00	1,333,720.00					
Multilateral climate change funds[g]	594,700.00	200,682.00	594,700.00	200,682.00					
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	594,700.00	200,682.00	594,700.00	200,682.00					
Multilateral Fund for the Implementation the Montreal Protocol	594,700.00	200,682.00	594,700.00	200,682.00	Provided	ODA	Grant		
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	3,357,643.00	1,133,038.00	3,357,643.00	1,133,038.00					
1. United Nations Development Programme									
2. United Nations Environment Programme	435,570.00	146,983.00	435,570.00	146,983.00					
UNEP	435,570.00	146,983.00	435,570.00	146,983.00	Provided	ODA	Grant		
3. Other	2,922,073.00	986,055.00	2,922,073.00	986,055.00					
UNFCCC	797,100.00	268,982.00	797,100.00	268,982.00	Provided	ODA	Grant		
WMO	1,604,173.00	541,329.00	1,604,173.00	541,329.00	Provided	ODA	Grant		
UNCCCD	397,700.00	134,204.00	397,700.00	134,204.00	Provided	ODA	Grant		
ITTO	123,100.00	41,540.00	123,100.00	41,540.00	Provided	ODA	Grant		

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

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

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

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

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

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

[f] Please specify.

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

Custom Footnotes

Table 7(a) POL_BR1_v2.0

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

Donor funding	*Total amount*				*Status*[b]	*Funding source*[f]	*Financial instrument*[f]	*Type of support*[f, g]	*Sector*[c]
	Core/general[d]		*Climate-specific*[e]						
	Polish zloty - PLN	*USD*	*Polish zloty - PLN*	*USD*					
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

Table 7(b) POL_BR1_v2.0

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

Recipient country/ region/project/programme [b]	*Total amount*		*Status* [c]	*Funding source* [g]	*Financial instrument* [g]	*Type of support* [g, h]	*Sector* [d]	*Additional information* [e]
	Climate-specific [f]							
	Polish zloty - PLN	*USD*						
Total contributions through bilateral, regional and other channels	34,647,000.00	11,692,000.00						
/ Share in European Union ODA	27,603,000.00	9,315,000.00	Provided	ODA	Grant			
China /	6,881,000.00	2,322,000.00	Provided	ODA	Other (Loan)	Adaptation	Other (Other)	
/ Developing Countries/educational program	163,000.00	55,000.00	Provided	ODA	Grant	Adaptation	Other (Other)	

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

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

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

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

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

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

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

[g] Please specify.

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

Custom Footnotes

Table 7(b) POL_BR1_v2.0

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

Recipient country/ region/project/programme [b]	*Total amount*		*Status* [c]	*Funding source* [g]	*Financial instrument* [g]	*Type of support* [g, h]	*Sector* [d]	*Additional information* [e]
	Climate-specific [f]							
	Polish zloty - PLN	*USD*						
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

Table 8 POL_BR1_v2.0

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

Recipient country and/or region	*Targeted area*	*Measures and activities related to technology transfer*	*Sector* [c]	*Source of the funding for technology transfer*	*Activities undertaken by*	*Status*	*Additional information* [d]
Azerbaijan	Mitigation	CHEMADEX ® - high-load wastewater treatment technology	Water and sanitation, Other (water and wastewater management)	Private and Public	Private	Planned	Preparatory work for developing and implementing a project to build an industrial wastewater treatment plant with biogas recovery capacity at the end of the treatment process
Egypt	Mitigation	PROM@R – a system to monitor the rational use of energy carriers	Energy, Other (Energy savings)	Private and Public	Private	Planned	Agreements on cooperation in the implementation of the technology with local companies in Egypt
Libya	Mitigation	PROM@R - a system to monitor the rational use of energy carriers	Energy, Other (Energy savings)	Private and Public	Private	Planned	Agreements on cooperation in the implementation of the technology with local companies in Libya
Republic of Moldova	Mitigation	BIOMASSER® mobile briquetting machines producing environment-friendly fuel from straw and hay	Other (RES)	Private and Public	Private	Implemented	The commissioning of five Biomasser technological lines for partners in the Riscani District
Thailand	Mitigation	T-Technology – a system producing liquid fuels from waste plastics	Other (Waste management)	Private and Public	Private	Implemented	The delivery of technology and licence to the company Polimer Energy LLC for an installation to process municipal waste plastics from Bangkok. The final product will be synthetic oil.
United Republic of Tanzania	Mitigation	BIOMASSER® mobile briquetting machines producing environment-friendly fuel from straw and hay	Other (RES)	Private and Public	Private	Implemented	Biomasser briquetting machines have already been successfully used in Tanzania within the framework of the Keep Mwanga Green Project for briquetting grass. The briquettes serve local communities as fuel for preparing meals. Its aim is to limit the clear-cutting of trees to be used as fuel.
Tunisia	Mitigation	PROM@R - a system to monitor the rational use of energy carriers	Energy, Other (Energy savings)	Private and Public	Private	Planned	Agreements on cooperation in the implementation of the technology with local companies in Tunisia.
Viet Nam	Mitigation	BIOMASSER® mobile briquetting machines producing environment-friendly fuel from straw and hay	Other (RES)	Private and Public	Private	Implemented	The technology has been modified to make it suitable for briquetting wet rice straw (with moisture content of as much as 15-30%) to produce environment-friendly heating fuel.

[a] To be reported to the extent possible.

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

[c] Parties may report sectoral disaggregation, as appropriate.

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

Custom Footnotes

Table 9 POL_BR1_v2.0

Provision of capacity-building support[a]

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

[a] To be reported to the extent possible.

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

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

Custom Footnotes