BR CTF submission workbook

Submission Year	2014	Party	ROMANIA
Submission Version	v1.0	Submission Level	Submitted
Submission Key	ROU_2014_V1.0	Submission Status	Closed
Submitted By	Daniela Alexandru	Workbook Created	19.12.2013 10:08:10
Submitted Date	19.12.2013 10:07:05		

Contents

Table 1 ROU_BR1_v1.0

Emission trends: summary [(1)]
(Sheet 1 of 3) CRF: ROU_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	174,029.15	148,286.67	116,148.66	94,532.27	90,601.20	89,777.29	96,830.51	100,209.14	87,570.32
CO_2 emissions excluding net CO_2 from LULUCF	195,541.82	175,642.08	144,128.13	125,197.46	120,543.74	118,432.45	124,023.08	127,397.11	116,201.08
CH_4 emissions including CH_4 from LULUCF	46,540.15	42,806.28	35,753.92	31,413.47	30,420.99	30,440.02	30,568.21	30,121.63	28,663.95
CH_4 emissions excluding CH_4 from LULUCF	46,540.15	42,806.27	35,753.92	31,413.45	30,420.97	30,440.02	30,568.21	30,121.62	28,663.94
N_2O emissions including N_2O from LULUCF	27,893.98	23,923.08	17,761.84	16,156.63	17,060.98	15,784.95	16,395.95	16,079.32	15,245.30
N_2O emissions excluding N_2O from LULUCF	27,893.98	23,923.07	17,761.83	16,156.61	17,060.96	15,784.94	16,395.94	16,079.31	15,245.29
HFCs	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	95.04	97.64	123.94
PFCs	3,349.56	2,115.83	1,942.09	1,352.13	1,409.43	1,490.97	1,773.69	1,769.07	1,786.59
SF_6	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.06	0.06	0.02
Total (including LULUCF)	251,812.84	217,131.87	171,606.51	143,454.50	139,492.58	137,493.25	145,663.46	148,276.85	133,390.12
Total (excluding LULUCF)	273,325.51	244,487.26	199,585.96	174,119.66	169,435.10	166,148.38	172,856.02	175,464.81	162,020.87

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	191,809.14	177,768.20	147,408.26	125,769.01	120,888.33	118,709.29	122,320.62	126,435.38	115,861.25
2. Industrial Processes	35,466.12	24,890.14	17,617.05	18,403.43	18,267.72	18,573.64	21,405.55	20,838.64	19,093.02
3. Solvent and Other Product Use	645.80	540.50	448.20	237.60	237.50	225.40	229.40	225.30	219.00
4. Agriculture	40,734.14	36,708.34	29,601.60	25,251.76	25,563.86	24,130.83	24,135.56	23,153.24	22,027.13
5. Land Use, Land-Use Change and Forestry[b]	-21,512.67	-27,355.39	-27,979.45	-30,665.16	-29,942.52	-28,655.14	-27,192.55	-27,187.96	-28,630.74
6. Waste	4,670.31	4,580.08	4,510.85	4,457.86	4,477.69	4,509.23	4,764.89	4,812.25	4,820.47
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	251,812.84	217,131.87	171,606.51	143,454.50	139,492.58	137,493.25	145,663.46	148,276.85	133,390.12

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 ROU_BR1_v1.0

Emission trends: summary [(1)]
(Sheet 2 of 3) CRF: ROU_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	74,322.27	60,721.57	63,201.72	66,224.99	74,686.60	86,892.71	78,222.27	71,350.77	77,048.62	77,720.59
CO_2 emissions excluding net CO_2 from LULUCF	102,626.08	89,398.20	92,422.16	95,242.46	97,056.19	103,292.16	101,167.11	99,415.84	104,914.41	102,942.53
CH_4 emissions including CH_4 from LULUCF	26,693.07	25,861.08	26,397.62	26,410.51	27,191.21	27,281.31	26,377.81	26,334.77	25,999.79	24,949.24
CH_4 emissions excluding CH_4 from LULUCF	26,693.07	25,861.07	26,397.54	26,410.49	27,191.13	27,281.29	26,377.81	26,334.77	25,999.77	24,949.18
N_2O emissions including N_2O from LULUCF	14,307.66	13,796.25	13,283.14	13,379.20	13,042.37	13,958.54	14,261.09	15,217.23	14,225.96	13,913.53
N_2O emissions excluding N_2O from LULUCF	14,307.56	13,796.09	13,282.36	13,378.22	13,041.31	13,956.81	14,258.94	15,215.04	14,223.03	13,910.54
HFCs	154.37	151.42	163.43	216.79	239.47	292.50	367.96	487.21	641.10	840.45
PFCs	1,753.54	1,603.62	1,292.37	1,044.49	717.86	261.51	132.60	81.90	55.03	24.23
SF_6	0.01	0.05	0.00	0.00	0.01	17.83	22.64	49.56	67.76	58.39
Total (including LULUCF)	117,230.93	102,133.98	104,338.29	107,275.98	115,877.51	128,704.39	119,384.38	113,521.44	118,038.25	117,506.44
Total (excluding LULUCF)	145,534.63	130,810.44	133,557.88	136,292.45	138,245.97	145,102.10	142,327.06	141,584.31	145,901.09	142,725.32

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	101,250.83	90,082.38	92,894.36	95,810.37	96,617.33	102,850.19	98,959.43	96,602.11	99,709.24	96,123.48
2. Industrial Processes	17,953.45	15,146.30	16,826.43	15,963.40	16,576.81	16,490.95	17,557.95	18,223.69	19,355.61	20,624.73
3. Solvent and Other Product Use	221.90	222.40	224.30	200.50	222.30	279.90	277.40	269.65	208.50	137.82
4. Agriculture	21,241.10	20,380.37	18,455.10	19,096.83	19,552.24	20,073.19	20,070.58	20,949.57	20,862.19	20,236.92
5. Land Use, Land-Use Change and Forestry[b]	-28,303.70	-28,676.46	-29,219.59	-29,016.47	-22,368.45	-16,397.72	-22,942.68	-28,062.87	-27,862.84	-25,218.88
6. Waste	4,867.34	4,978.99	5,157.70	5,221.35	5,277.29	5,407.87	5,461.70	5,539.28	5,765.54	5,602.38
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	117,230.93	102,133.98	104,338.29	107,275.98	115,877.51	128,704.39	119,384.38	113,521.44	118,038.25	117,506.44

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

Table 1 ROU_BR1_v1.0

Emission trends: summary [(1)]
(Sheet 3 of 3) CRF: ROU_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	75,779.02	55,114.32	55,104.96	62,654.48	-64.00
CO_2 emissions excluding net CO_2 from LULUCF	100,093.99	83,372.26	80,939.05	87,962.88	-55.02
CH_4 emissions including CH_4 from LULUCF	25,088.22	24,057.28	22,584.36	22,258.20	-52.17
CH_4 emissions excluding CH_4 from LULUCF	25,088.20	24,057.26	22,584.36	22,258.13	-52.17
N_2O emissions including N_2O from LULUCF	14,376.23	12,166.52	12,411.35	12,682.85	-54.53
N_2O emissions excluding N_2O from LULUCF	14,373.27	12,163.21	12,408.07	12,679.45	-54.54
HFCs	890.27	703.10	695.05	440.55	100.00
PFCs	15.34	7.00	7.93	10.92	-99.67
SF_6	16.33	7.38	5.09	7.21	100.00
Total (including LULUCF)	116,165.41	92,055.61	90,808.74	98,054.21	-61.06
Total (excluding LULUCF)	140,477.41	120,310.22	116,639.55	123,359.15	-54.87

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	95,965.23	82,877.82	79,624.01	86,320.46	-55.00
2. Industrial Processes	17,945.58	11,253.06	12,414.25	12,605.14	-64.46
3. Solvent and Other Product Use	135.14	122.33	124.74	125.61	-80.55
4. Agriculture	20,753.53	20,353.84	18,760.94	18,941.46	-53.50
5. Land Use, Land-Use Change and Forestry[b]	-24,312.00	-28,254.61	-25,830.81	-25,304.94	17.63
6. Waste	5,677.92	5,703.17	5,715.62	5,366.48	14.91
7. Other	NA	NA	NA	NA	0.00
Total (including LULUCF)	116,165.41	92,055.61	90,808.74	98,054.21	-61.06

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) ROU_BR1_v1.0

Emission trends (CO_2)

(Sheet 1 of 3) CRF: ROU_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	169,024.41	156,430.43	130,562.83	111,074.42	106,802.29	104,043.12	107,565.66	111,666.92	101,748.48
A. Fuel Combustion (Sectoral Approach)	167,624.54	155,217.32	129,527.88	110,016.54	105,731.49	102,969.15	106,497.22	110,616.71	100,717.54
1. Energy Industries	74,118.64	70,978.50	65,712.61	54,874.48	56,797.85	57,431.75	59,903.14	62,600.24	55,859.49
2. Manufacturing Industries and Construction	69,841.84	55,539.73	38,043.74	34,831.51	31,976.06	29,525.16	30,142.83	28,870.54	23,399.63
3. Transport	7,520.25	11,884.37	10,201.06	9,961.14	8,247.19	8,748.23	8,033.67	11,329.58	11,514.76
4. Other Sectors	13,968.97	14,312.44	13,301.94	9,678.11	8,402.55	6,834.65	7,865.32	7,540.34	9,936.63
5. Other	2,174.84	2,502.28	2,268.54	671.29	307.83	429.37	552.25	276.01	7.03
B. Fugitive Emissions from Fuels	1,399.87	1,213.11	1,034.95	1,057.88	1,070.80	1,073.97	1,068.44	1,050.22	1,030.94
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	1,399.87	1,213.11	1,034.95	1,057.88	1,070.80	1,073.97	1,068.44	1,050.22	1,030.94
2. Industrial Processes	25,871.61	18,671.15	13,117.09	13,874.54	13,487.74	14,142.40	16,201.17	15,470.77	14,193.93
A. Mineral Products	10,669.97	8,173.33	6,074.63	5,435.96	5,099.42	4,983.81	5,595.66	5,557.04	5,471.32
B. Chemical Industry	4,829.53	3,760.68	2,676.35	3,113.62	3,051.81	2,798.06	3,419.18	3,206.63	1,667.40
C. Metal Production	10,372.10	6,737.14	4,366.11	5,324.96	5,336.52	6,360.53	7,186.34	6,707.10	7,055.22
D. Other Production	NE	NE	NE	NE	NE	NE	NE	NE	NE
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	645.80	540.50	448.20	237.60	237.50	225.40	229.40	225.30	219.00
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	-21,512.67	-27,355.42	-27,979.46	-30,665.20	-29,942.55	-28,655.15	-27,192.56	-27,187.98	-28,630.76
A. Forest Land	-18,982.53	-22,109.37	-23,412.63	-24,262.55	-25,616.64	-26,279.03	-25,526.48	-24,602.17	-25,038.62
B. Cropland	-5,801.39	-4,912.08	-5,849.52	-5,904.14	-5,056.57	-2,948.88	-1,608.15	-3,568.35	-4,232.70
C. Grassland	-609.78	-643.03	897.21	-677.20	-683.33	-680.40	-697.38	-697.05	-699.25
D. Wetlands	-214.50	-216.41	-20.88	-211.92	-223.80	-229.74	-195.83	-190.55	-242.41
E. Settlements	4,125.22	414.70	432.56	415.51	451.45	483.27	444.94	444.19	408.65
F. Other Land	-29.70	110.78	-26.20	-24.89	1,186.35	999.63	390.34	1,425.95	1,173.57
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	NA, NE, NO	NA, NE, NO	NA, NE, NO	10.90	16.21	21.53	26.84	34.12	39.67
A. Solid Waste Disposal on Land	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Waste-water Handling									
C. Waste Incineration	NE, NO	NE, NO	NE, NO	10.90	16.21	21.53	26.84	34.12	39.67
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	174,029.15	148,286.67	116,148.66	94,532.27	90,601.20	89,777.29	96,830.51	100,209.14	87,570.32
Total CO2 emissions excluding net CO2 from LULUCF	195,541.82	175,642.08	144,128.13	125,197.46	120,543.74	118,432.45	124,023.08	127,397.11	116,201.08
Memo Items:									
International Bunkers	854.47	791.69	561.51	844.01	854.47	558.03	624.30	292.99	418.57
Aviation	854.47	791.69	561.51	844.01	854.47	558.03	624.30	292.99	418.57
Marine	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass	2,986.70	2,819.01	3,329.94	3,699.61	4,881.48	5,638.76	6,330.65	11,956.27	15,597.82

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

Table 1 (a) ROU_BR1_v1.0

Emission trends (CO_2)

(Sheet 2 of 3) CRF: ROU_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	88,767.41	78,154.66	80,011.63	82,838.66	83,265.86	89,620.93	86,650.12	84,340.73	88,145.53	85,842.41
A. Fuel Combustion (Sectoral Approach)	87,765.95	77,179.16	79,049.62	81,885.93	82,044.03	88,431.94	85,772.86	83,439.67	87,226.71	85,075.53
1. Energy Industries	47,210.33	42,219.43	42,621.32	42,755.56	42,089.00	47,764.67	43,067.69	41,203.20	43,904.12	43,312.25
2. Manufacturing Industries and Construction	19,529.62	17,843.75	18,653.82	19,643.91	20,194.96	18,755.91	19,068.47	18,305.17	17,780.41	17,361.25
3. Transport	10,934.70	9,065.50	9,341.61	11,335.90	11,653.80	12,279.82	13,069.59	12,517.53	13,029.18	13,438.13
4. Other Sectors	9,392.09	7,940.83	8,194.45	7,767.57	7,837.37	9,253.14	9,885.42	10,177.09	11,942.92	10,024.46
5. Other	699.20	109.64	238.42	383.00	268.90	378.40	681.69	1,236.68	570.08	939.43
B. Fugitive Emissions from Fuels	1,001.46	975.50	962.01	952.73	1,221.83	1,189.00	877.26	901.06	918.82	766.89
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	1,001.46	975.50	962.01	952.73	1,221.83	1,189.00	877.26	901.06	918.82	766.89
2. Industrial Processes	13,590.95	10,964.57	12,120.26	12,128.65	13,489.76	13,305.45	14,132.27	14,626.67	16,195.90	16,951.68
A. Mineral Products	5,339.09	4,668.86	4,777.77	5,278.31	5,227.52	5,173.17	5,699.43	5,596.91	6,278.11	6,977.85
B. Chemical Industry	876.88	1,612.66	2,296.98	2,244.54	2,125.38	2,619.63	2,584.96	2,753.48	2,363.38	2,142.61
C. Metal Production	7,374.99	4,683.05	5,045.51	4,605.81	6,136.86	5,512.66	5,847.88	6,276.28	7,554.41	7,831.22
D. Other Production	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	221.90	222.40	224.30	200.50	222.30	279.90	277.40	269.65	208.50	137.82
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	-28,303.80	-28,676.64	-29,220.44	-29,017.47	-22,369.59	-16,399.46	-22,944.83	-28,065.07	-27,865.79	-25,221.94
A. Forest Land	-27,195.17	-25,963.22	-25,151.41	-26,262.22	-23,338.26	-23,044.66	-22,305.94	-24,157.65	-24,780.98	-24,146.31
B. Cropland	-5,351.80	-5,159.88	-5,062.35	-5,234.28	-741.85	5,212.62	-1,505.11	-4,061.68	-3,257.81	-1,506.98
C. Grassland	1,256.27	1,481.34	-615.51	1,705.03	323.90	-543.95	-542.97	-541.23	-541.22	-547.21
D. Wetlands	-242.41	-242.85	36.48	127.33	-238.38	-278.02	-320.32	-336.23	-336.23	-343.52
E. Settlements	434.37	432.57	452.79	441.40	479.86	527.54	577.76	629.21	637.31	672.62
F. Other Land	2,794.93	775.41	1,119.55	205.27	1,145.14	1,727.01	1,151.76	402.51	413.13	649.45
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	45.82	56.58	65.97	74.65	78.27	85.88	107.32	178.79	364.48	10.62
A. Solid Waste Disposal on Land	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Waste-water Handling										
C. Waste Incineration	45.82	56.58	65.97	74.65	78.27	85.88	107.32	178.79	364.48	10.62
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	74,322.27	60,721.57	63,201.72	66,224.99	74,686.60	86,892.71	78,222.27	71,350.77	77,048.62	77,720.59
Total CO2 emissions excluding net CO2 from LULUCF	102,626.08	89,398.20	92,422.16	95,242.46	97,056.19	103,292.16	101,167.11	99,415.84	104,914.41	102,942.53
Memo Items:										
International Bunkers	454.34	442.99	429.69	384.03	328.06	397.87	464.10	378.03	508.41	589.17
Aviation	355.82	442.99	429.69	384.03	328.06	397.87	464.10	378.03	465.78	369.28
Marine	98.52	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	42.62	219.90
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass	13,997.17	13,207.06	12,973.91	10,007.16	11,027.00	13,330.88	14,616.54	14,979.20	14,690.93	15,365.61

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

Table 1(a) ROU_BR1_v1.0

Emission trends (CO_2)

(Sheet 3 of 3) CRF: ROU_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	85,491.60	73,238.56	70,267.42	76,903.63	-54.50
A. Fuel Combustion (Sectoral Approach)	84,767.81	72,556.22	69,615.58	76,257.39	-54.51
1. Energy Industries	42,155.77	35,526.92	33,037.88	36,474.64	-50.79
2. Manufacturing Industries and Construction	17,855.46	12,775.16	13,128.88	15,663.12	-77.57
3. Transport	15,064.18	14,893.98	14,130.17	14,402.08	91.51
4. Other Sectors	8,875.05	9,088.98	9,047.75	9,175.37	-34.32
5. Other	817.34	271.19	270.90	542.18	-75.07
B. Fugitive Emissions from Fuels	723.79	682.34	651.84	646.24	-53.84
1. Solid Fuels	NA	NA	NA	NA	0.00
2. Oil and Natural Gas	723.79	682.34	651.84	646.24	-53.84
2. Industrial Processes	14,458.66	10,003.64	10,536.06	10,923.08	-57.78
A. Mineral Products	6,621.08	4,710.40	4,608.34	4,880.99	-54.25
B. Chemical Industry	2,393.81	1,686.92	2,561.05	3,033.99	-37.18
C. Metal Production	5,443.77	3,606.32	3,366.67	3,008.10	-71.00
D. Other Production	NE	NE	NE	NE	0.00
E. Production of Halocarbons and SF6					
F. Consumption of Halocarbons and SF6					
G. Other	NA	NA	NA	NA	0.00
3. Solvent and Other Product Use	135.14	122.33	124.74	125.61	-80.55
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	-24,314.98	-28,257.94	-25,834.09	-25,308.41	17.64
A. Forest Land	-24,578.46	-25,057.91	-24,754.97	-23,353.17	23.02
B. Cropland	-3,547.19	-4,332.81	-2,317.52	-3,202.77	-44.79
C. Grassland	1,251.73	146.04	155.88	132.62	-121.75
D. Wetlands	-285.99	-45.38	-125.61	-130.10	-39.35
E. Settlements	680.39	384.04	419.46	409.76	-90.07
F. Other Land	2,164.54	648.07	788.66	835.26	-2,912.32
G. Other	NA	NA	NA	NA	0.00
6. Waste	8.59	7.73	10.83	10.56	100.00
A. Solid Waste Disposal on Land	NA	NA	NA	NA	0.00
B. Waste-water Handling					
C. Waste Incineration	8.59	7.73	10.83	10.56	100.00
D. Other	NA	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	0.00
Total CO2 emissions including net CO2 from LULUCF	75,779.02	55,114.32	55,104.96	62,654.48	-64.00
Total CO2 emissions excluding net CO2 from LULUCF	100,093.99	83,372.26	80,939.05	87,962.88	-55.02
Memo Items:					
International Bunkers	497.03	470.09	525.62	414.84	-51.45
Aviation	414.21	439.44	491.76	387.13	-54.69
Marine	82.82	30.65	33.87	27.71	100.00
Multilateral Operations	NE	NE	NE	NE	0.00
CO2 Emissions from Biomass	18,227.60	18,175.26	18,976.71	17,210.24	476.23

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) ROU_BR1_v1.0

Emission trends (CH_4)

(Sheet 1 of 3) CRF: ROU_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	1,065.56	998.83	787.04	685.13	655.93	683.92	686.98	684.53	652.61
A. Fuel Combustion (Sectoral Approach)	26.06	25.74	20.80	17.72	19.04	18.40	20.45	36.13	45.05
1. Energy Industries	1.38	1.54	1.32	1.01	1.05	1.07	1.13	1.21	1.16
2. Manufacturing Industries and Construction	5.89	4.73	3.05	3.15	2.94	2.62	2.99	2.54	2.17
3. Transport	1.63	2.20	1.87	1.46	1.25	1.37	1.22	1.65	1.74
4. Other Sectors	17.03	17.11	12.32	11.76	13.26	12.80	14.28	29.77	39.33
5. Other	0.12	0.16	2.24	0.34	0.54	0.53	0.83	0.96	0.66
B. Fugitive Emissions from Fuels	1,039.50	973.09	766.24	667.41	636.89	665.52	666.53	648.39	607.56
1. Solid Fuels	263.88	155.97	132.39	153.19	125.67	129.58	128.93	132.74	114.95
2. Oil and Natural Gas	775.63	817.12	633.84	514.21	511.22	535.94	537.60	515.65	492.61
2. Industrial Processes	4.90	3.32	2.25	2.08	1.99	2.37	2.54	2.40	2.68
A. Mineral Products	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
B. Chemical Industry	4.90	3.32	2.25	2.08	1.99	2.37	2.54	2.40	2.68
C. Metal Production	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
D. Other Production									
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use									
4. Agriculture	951.89	846.75	727.06	625.00	606.91	578.17	569.68	549.00	511.02
A. Enteric Fermentation	856.91	758.77	672.84	581.84	563.32	540.53	531.72	512.49	480.19
B. Manure Management	86.31	80.49	47.60	38.71	38.31	32.20	31.82	31.86	24.39
C. Rice Cultivation	2.96	2.39	1.30	0.98	0.86	0.33	0.45	0.61	0.29
D. Agricultural Soils	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	5.71	5.09	5.33	3.47	4.42	5.11	5.69	4.04	6.16
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	193.85	189.49	186.22	183.67	183.78	185.06	196.43	198.43	198.64
A. Solid Waste Disposal on Land	59.75	61.52	63.18	64.61	65.97	67.26	72.79	76.09	76.97
B. Waste-water Handling	134.10	127.97	123.04	119.06	117.81	117.80	123.64	122.34	121.67
C. Waste Incineration	NE, NO	NE, NO	NE, NO	NE	NE	NE	NE	NE	NE
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	2,216.20	2,038.39	1,702.57	1,495.88	1,448.62	1,449.52	1,455.63	1,434.36	1,364.95
Total CH4 emissions excluding CH4 from LULUCF	2,216.20	2,038.39	1,702.57	1,495.88	1,448.62	1,449.52	1,455.63	1,434.36	1,364.95
Memo Items:									
International Bunkers	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
Aviation	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
Marine	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass									

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

Table 1(b) ROU_BR1_v1.0

Emission trends (CH_4)

(Sheet 2 of 3) CRF: ROU_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	577.70	552.49	597.61	603.00	620.51	612.46	567.92	561.57	527.79	466.45
A. Fuel Combustion (Sectoral Approach)	39.95	37.58	36.65	29.31	30.22	35.50	41.19	43.27	41.01	42.10
1. Energy Industries	0.93	0.81	0.78	0.83	0.78	0.83	0.73	0.70	0.71	0.67
2. Manufacturing Industries and Construction	1.75	1.64	1.79	1.81	2.15	2.18	1.98	1.86	1.92	1.93
3. Transport	1.69	1.41	1.45	1.95	1.87	1.88	2.03	2.80	2.48	2.30
4. Other Sectors	35.20	33.05	32.17	22.87	23.43	28.69	34.84	35.52	33.69	35.29
5. Other	0.39	0.67	0.45	1.86	1.99	1.92	1.61	2.39	2.21	1.91
B. Fugitive Emissions from Fuels	537.75	514.91	560.96	573.68	590.29	576.96	526.73	518.30	486.78	424.35
1. Solid Fuels	89.99	76.48	127.73	134.34	124.29	117.13	107.03	97.16	85.90	55.22
2. Oil and Natural Gas	447.76	438.43	433.23	439.35	466.01	459.83	419.70	421.14	400.88	369.13
2. Industrial Processes	2.19	1.37	1.80	1.50	1.84	2.18	2.81	2.83	2.94	1.50
A. Mineral Products	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
B. Chemical Industry	2.19	1.37	1.80	1.50	1.84	2.18	2.81	2.83	2.94	1.50
C. Metal Production	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use										
4. Agriculture	491.18	473.04	445.55	438.42	454.42	463.13	462.39	466.31	482.62	486.22
A. Enteric Fermentation	462.85	448.17	423.17	408.39	419.08	424.81	416.80	426.01	431.01	441.71
B. Manure Management	23.67	19.87	19.07	24.50	31.09	34.48	38.53	34.29	46.38	41.45
C. Rice Cultivation	0.12	0.10	0.08	0.05	0.02	0.01	0.09	0.28	0.40	0.60
D. Agricultural Soils	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	4.54	4.90	3.22	5.49	4.22	3.83	6.98	5.72	4.82	2.45
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	200.03	204.58	212.07	214.72	218.05	221.34	222.97	223.33	224.74	233.89
A. Solid Waste Disposal on Land	79.18	83.80	91.14	95.86	102.93	107.93	112.39	118.00	120.65	127.36
B. Waste-water Handling	120.84	120.78	120.93	118.87	115.12	113.40	110.58	105.33	104.08	106.53
C. Waste Incineration	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	1,271.10	1,231.48	1,257.03	1,257.64	1,294.82	1,299.11	1,256.09	1,254.04	1,238.09	1,188.06
Total CH4 emissions excluding CH4 from LULUCF	1,271.10	1,231.48	1,257.03	1,257.64	1,294.82	1,299.11	1,256.09	1,254.04	1,238.08	1,188.06
Memo Items:										
International Bunkers	6.79	0.00	0.01	0.01	0.00	0.00	0.02	0.03	2.80	14.52
Aviation	0.00	0.00	0.01	0.01	0.00	0.00	0.02	0.03	0.04	0.05
Marine	6.79	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	2.75	14.47
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass										

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

Table 1(b) ROU_BR1_v1.0

Emission trends (CH_4)

(Sheet 3 of 3) CRF: ROU_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	473.51	435.47	422.21	423.79	-60.23
A. Fuel Combustion (Sectoral Approach)	51.07	49.49	51.07	47.37	81.76
1. Energy Industries	0.64	0.55	0.55	0.60	-56.66
2. Manufacturing Industries and Construction	1.85	1.42	1.65	1.98	-66.36
3. Transport	2.13	2.07	1.79	1.73	6.22
4. Other Sectors	44.67	43.89	45.44	40.79	139.45
5. Other	1.77	1.56	1.64	2.27	1,777.32
B. Fugitive Emissions from Fuels	422.44	385.98	371.14	376.42	-63.79
1. Solid Fuels	49.94	43.03	36.26	41.87	-84.13
2. Oil and Natural Gas	372.50	342.95	334.88	334.55	-56.87
2. Industrial Processes	1.68	0.72	0.85	0.65	-86.80
A. Mineral Products	NA, NE	NA, NE	NA, NE	NA, NE	0.00
B. Chemical Industry	1.68	0.72	0.85	0.65	-86.80
C. Metal Production	NA, NE	NA, NE	NA, NE	NA, NE	0.00
D. Other Production					
E. Production of Halocarbons and SF6					
F. Consumption of Halocarbons and SF6					
G. Other	NA	NA	NA	NA	0.00
3. Solvent and Other Product Use					
4. Agriculture	482.15	469.59	410.67	410.32	-56.89
A. Enteric Fermentation	437.91	428.83	375.96	375.03	-56.23
B. Manure Management	38.54	35.06	28.96	28.31	-67.20
C. Rice Cultivation	0.71	1.33	0.89	0.91	-69.15
D. Agricultural Soils	NA, NE	NA, NE	NA, NE	NA, NE	0.00
E. Prescribed Burning of Savannas	NO	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	4.99	4.37	4.86	6.06	6.16
G. Other	NA	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.00	0.00	0.00	0.00	3,187.42
A. Forest Land	0.00	0.00	0.00	0.00	3,187.42
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	0.00
C. Grassland	NO	NO	NO	NO	0.00
D. Wetlands	NO	NO	NO	NO	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	0.00
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	0.00
G. Other	NA	NA	NA	NA	0.00
6. Waste	237.34	239.80	241.71	225.16	16.15
A. Solid Waste Disposal on Land	132.44	137.29	139.33	117.89	97.29
B. Waste-water Handling	104.90	102.51	102.38	107.28	-20.00
C. Waste Incineration	NE	NE	NE	NE	0.00
D. Other	NA	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	0.00
Total CH4 emissions including CH4 from LULUCF	1,194.68	1,145.58	1,075.45	1,059.91	-52.17
Total CH4 emissions excluding CH4 from LULUCF	1,194.68	1,145.58	1,075.45	1,059.91	-52.17
Memo Items:					
International Bunkers	5.66	2.09	2.36	1.93	32,240.12
Aviation	0.07	0.03	0.03	0.02	282.46
Marine	5.59	2.06	2.33	1.91	100.00
Multilateral Operations	NE	NE	NE	NE	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(c) ROU_BR1_v1.0

Emission trends (N_2O)

(Sheet 1 of 3) CRF: ROU_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	1.32	1.17	1.02	0.99	1.00	0.98	1.06	1.27	1.32
A. Fuel Combustion (Sectoral Approach)	1.30	1.16	1.01	0.98	0.99	0.97	1.05	1.26	1.31
1. Energy Industries	0.67	0.59	0.57	0.51	0.54	0.54	0.57	0.58	0.50
2. Manufacturing Industries and Construction	0.36	0.26	0.16	0.23	0.21	0.17	0.20	0.17	0.16
3. Transport	0.06	0.10	0.09	0.08	0.07	0.07	0.07	0.10	0.10
4. Other Sectors	0.19	0.18	0.14	0.14	0.17	0.18	0.20	0.39	0.54
5. Other	0.02	0.03	0.05	0.01	0.01	0.01	0.01	0.02	0.01
B. Fugitive Emissions from Fuels	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2. Industrial Processes	19.81	13.01	8.10	10.11	10.74	9.32	10.59	11.13	9.46
A. Mineral Products	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
B. Chemical Industry	19.81	13.01	8.10	10.11	10.74	9.32	10.59	11.13	9.46
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production									
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	NE	NE	NE	NE	NE	NE	NE	NE	NE
4. Agriculture	66.92	61.05	46.24	39.12	41.35	38.68	39.27	37.50	36.44
A. Enteric Fermentation									
B. Manure Management	7.50	6.84	5.91	5.20	5.09	4.59	4.52	4.39	4.08
C. Rice Cultivation									
D. Agricultural Soils	59.28	54.10	40.20	33.83	36.15	33.97	34.62	33.01	32.21
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.14	0.12	0.13	0.08	0.10	0.12	0.13	0.10	0.14
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	0.00	0.00
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	1.93	1.94	1.94	1.90	1.94	1.94	1.98	1.97	1.97
A. Solid Waste Disposal on Land									
B. Waste-water Handling	1.93	1.94	1.94	1.90	1.94	1.94	1.98	1.97	1.97
C. Waste Incineration	NE, NO	NE, NO	NE, NO	NE	NE	NE	NE	NE	NE
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	89.98	77.17	57.30	52.12	55.04	50.92	52.89	51.87	49.18
Total N2O emissions excluding N2O from LULUCF	89.98	77.17	57.30	52.12	55.04	50.92	52.89	51.87	49.18
Memo Items:									
International Bunkers	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
Aviation	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
Marine	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass									

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

Table 1(c) ROU_BR1_v1.0

Emission trends (N_2O)

(Sheet 2 of 3) CRF: ROU_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	1.13	1.05	1.07	1.00	1.03	1.19	1.24	1.51	1.55	1.57
A. Fuel Combustion (Sectoral Approach)	1.12	1.04	1.06	0.99	1.02	1.17	1.23	1.50	1.54	1.56
1. Energy Industries	0.40	0.38	0.40	0.41	0.40	0.47	0.42	0.40	0.45	0.45
2. Manufacturing Industries and Construction	0.14	0.12	0.14	0.14	0.18	0.18	0.17	0.16	0.18	0.18
3. Transport	0.09	0.08	0.08	0.09	0.10	0.10	0.13	0.42	0.41	0.42
4. Other Sectors	0.49	0.45	0.44	0.31	0.32	0.39	0.47	0.48	0.46	0.48
5. Other	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.04	0.03	0.03
B. Fugitive Emissions from Fuels	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2. Industrial Processes	7.77	7.74	10.36	8.20	6.75	8.28	9.17	9.42	7.53	8.77
A. Mineral Products	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
B. Chemical Industry	7.77	7.74	10.36	8.20	6.75	8.28	9.17	9.42	7.53	8.77
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
4. Agriculture	35.25	33.70	29.35	31.90	32.29	33.38	33.42	35.99	34.60	32.34
A. Enteric Fermentation										
B. Manure Management	4.02	3.50	2.89	3.10	3.32	3.61	4.23	4.70	4.43	4.71
C. Rice Cultivation										
D. Agricultural Soils	31.12	30.08	26.38	28.68	28.87	29.67	29.02	31.16	30.05	27.57
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.11	0.12	0.07	0.13	0.10	0.10	0.17	0.14	0.12	0.06
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	2.00	2.02	2.06	2.06	2.00	2.17	2.17	2.16	2.20	2.19
A. Solid Waste Disposal on Land										
B. Waste-water Handling	2.00	2.02	2.06	2.06	2.00	2.17	2.17	2.16	2.20	2.19
C. Waste Incineration	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	46.15	44.50	42.85	43.16	42.07	45.03	46.00	49.09	45.89	44.88
Total N2O emissions excluding N2O from LULUCF	46.15	44.50	42.85	43.16	42.07	45.02	46.00	49.08	45.88	44.87
Memo Items:										
International Bunkers	0.83	0.01	0.03	0.02	0.02	0.02	0.02	0.05	0.40	1.84
Aviation	0.01	0.01	0.03	0.02	0.02	0.02	0.02	0.05	0.07	0.10
Marine	0.81	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.33	1.74
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass										

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

Table 1(c) ROU_BR1_v1.0

Emission trends (N_2O)

(Sheet 3 of 3) CRF: ROU_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	1.71	1.59	1.58	1.67	26.82
A. Fuel Combustion (Sectoral Approach)	1.70	1.59	1.57	1.66	27.67
1. Energy Industries	0.45	0.39	0.37	0.43	-35.24
2. Manufacturing Industries and Construction	0.16	0.12	0.14	0.18	-49.23
3. Transport	0.47	0.46	0.43	0.45	613.18
4. Other Sectors	0.60	0.59	0.61	0.55	196.11
5. Other	0.03	0.02	0.02	0.04	93.91
B. Fugitive Emissions from Fuels	0.01	0.01	0.01	0.01	-53.89
1. Solid Fuels	NA	NA	NA	NA	0.00
2. Oil and Natural Gas	0.01	0.01	0.01	0.01	-53.89
2. Industrial Processes	8.16	1.67	3.72	3.90	-80.30
A. Mineral Products	NA, NE	NA, NE	NA, NE	NA, NE	0.00
B. Chemical Industry	8.16	1.67	3.72	3.90	-80.30
C. Metal Production	NA	NA	NA	NA	0.00
D. Other Production					
E. Production of Halocarbons and SF6					
F. Consumption of Halocarbons and SF6					
G. Other	NA	NA	NA	NA	0.00
3. Solvent and Other Product Use	NE	NE	NE	NE	0.00
4. Agriculture	34.29	33.85	32.70	33.31	-50.23
A. Enteric Fermentation					
B. Manure Management	4.91	4.51	3.98	3.90	-48.04
C. Rice Cultivation					
D. Agricultural Soils	29.27	29.24	28.61	29.27	-50.63
E. Prescribed Burning of Savannas	NO	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	0.11	0.10	0.12	0.14	3.88
G. Other	NA	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.01	0.01	0.01	0.01	119,071.02
A. Forest Land	0.00	0.00	0.00	0.00	3,187.42
B. Cropland	0.01	0.01	0.01	0.01	100.00
C. Grassland	NO	NO	NO	NO	0.00
D. Wetlands	NO	NO	NO	NO	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	0.00
F. Other Land	NE, NO	NE, NO	NE, NO	NE, NO	0.00
G. Other	NA	NA	NA	NA	0.00
6. Waste	2.21	2.13	2.03	2.02	4.69
A. Solid Waste Disposal on Land					
B. Waste-water Handling	2.21	2.13	2.03	2.02	4.69
C. Waste Incineration	NE	NE	NE	NE	0.00
D. Other	NA	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	0.00
Total N2O emissions including N2O from LULUCF	46.37	39.25	40.04	40.91	-54.53
Total N2O emissions excluding N2O from LULUCF	46.37	39.24	40.03	40.90	-54.54
Memo Items:					
International Bunkers	0.86	0.26	0.29	0.24	900.86
Aviation	0.19	0.01	0.01	0.01	-57.87
Marine	0.67	0.25	0.28	0.23	100.00
Multilateral Operations	NE	NE	NE	NE	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) ROU_BR1_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 1 of 3) CRF: ROU_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, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	95.04	97.64	123.94
HFC-23	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-32	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-41	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-43-10mee	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-125	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-134	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-134a	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00	0.00	0.00
HFC-152a	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-143	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-143a	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-227ea	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-236fa	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-245ca	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
Unspecified mix of listed HFCs(4) - (Gg CO_2 equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	94.91	97.27	123.25
Emissions of PFCsc - (kt CO2 eq)	3,349.56	2,115.83	1,942.09	1,352.13	1,409.43	1,490.97	1,773.69	1,769.07	1,786.59
CF_4	0.45	0.29	0.26	0.18	0.19	0.20	0.24	0.24	0.24
C_2F_6	0.05	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
C 3F8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
C_4F_{10}	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
c-C_4F_8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
C_5F_{12}	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00	0.00	0.00
C_6F_{14}	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
Unspecified mix of listed PFCs(4) - (Gg CO_2 equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
Emissions of SF6(3) - (Gg CO2 equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.06	0.06	0.02
SF_6	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00	0.00	0.00

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

Table 1(d) ROU_BR1_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 2 of 3) CRF: ROU_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)	154.37	151.42	163.43	216.79	239.47	292.50	367.96	487.21	641.10	840.45
HFC-23	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00	IE, NA, NE, NO
HFC-32	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-41	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-43-10mee	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-125	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-134	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-134a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-152a	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-143	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-143a	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00	0.00
HFC-227ea	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-236fa	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
HFC-245ca	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
Unspecified mix of listed HFCs(4) - (Gg CO_2 equivalent)	153.19	150.74	162.86	216.11	238.39	291.14	366.12	484.36	625.72	839.12
Emissions of PFCsc - (kt CO2 eq)	1,753.54	1,603.62	1,292.37	1,044.49	717.86	261.51	132.60	81.90	55.03	24.23
CF_4	0.24	0.22	0.17	0.14	0.10	0.03	0.02	0.01	0.01	0.00
C_2F_6	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
C 3F8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
C_4F_{10}	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00	NA, NE, NO	NA, NE, NO	NA, NE, NO
c-C_4F_8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
C_5F_{12}	0.00	0.00	0.00	0.00	NA, NE, NO	0.00	0.00	0.00	0.00	0.00
C_6F_{14}	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00	NA, NE, NO	NA, NE, NO	NA, NE, NO
Unspecified mix of listed PFCs(4) - (Gg CO_2 equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
Emissions of SF6(3) - (Gg CO2 equivalent)	0.01	0.05	0.00	0.00	0.01	17.83	22.64	49.56	67.76	58.39
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) ROU_BR1_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 3 of 3) CRF: ROU_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)	890.27	703.10	695.05	440.55	100.00
HFC-23	0.00	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-32	0.00	0.00	0.00	0.00	100.00
HFC-41	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-43-10mee	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-125	0.00	0.00	0.00	0.02	100.00
HFC-134	0.00	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-134a	0.00	0.00	0.00	0.05	100.00
HFC-152a	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00	100.00
HFC-143	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-143a	0.00	IE, NA, NE, NO	0.00	0.02	100.00
HFC-227ea	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-236fa	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
HFC-245ca	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
Unspecified mix of listed HFCs(4) - (Gg CO_2 equivalent)	886.15	698.67	687.05	240.12	100.00
Emissions of PFCsc - (kt CO2 eq)	15.34	7.00	7.93	10.92	-99.67
CF_4	0.00	0.00	0.00	0.00	-99.68
C_2F_6	0.00	0.00	0.00	0.00	-99.62
C 3F8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
C_4F_{10}	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
c-C_4F_8	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
C_5F_{12}	0.00	NA, NE, NO	0.00	NA, NE, NO	0.00
C_6F_{14}	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO_2 equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
Emissions of SF6(3) - (Gg CO2 equivalent)	16.33	7.38	5.09	7.21	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) ROU_BR1_v1.0

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

Party	*Romania*	
Base year /base period	1989	
Emission reduction target	% of base year/base period	% of 1990 [b]
		80.00
Period for reaching target	BY-2020	

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

[b] Optional.

Table 2(b) ROU_BR1_v1.0

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

Gases covered		*Base year for each gas (year):*
CO_2		1989
CH_4		1989
N_2O		1989
HFCs		1989
PFCs		1989
SF_6		1989
NF_3		NA
Other Gases (specify)		
Sectors covered[b]	Energy	Yes
	Transport[f]	Yes
	Industrial processes[g]	Yes
	Agriculture	Yes
	LULUCF	Yes
	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) ROU_BR1_v1.0

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

Gases	*GWP values* [b]
CO_2	2nd AR
CH_4	2nd AR
N_2O	2nd AR
HFCs	2nd AR
PFCs	2nd AR
SF_6	2nd AR
NF_3	2nd AR
Other Gases (specify)	

Abbreviations: GWP = global warming potential

[a] Reporting by a developed country Party on the information specified in the common tabular format does not 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) ROU_BR1_v1.0

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

Role of LULUCF	LULUCF in base year level and target	Excluded
	Contribution of LULUCF is calculated using	Land-based approach

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 ROU_BR1_v1.0

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

Market-based mechanisms under the Convention	*Possible scale of contributions (estimated kt CO_2 eq)*
CERs	0.00
ERUs	0.00
AAUs[i]	NE
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 ROU_BR1_v1.0

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

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

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

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

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

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

Custom Footnotes

Table 3 ROU_BR1_v1.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*			
									2015	*2020*	*2025*	*2030*
Improvement of efficiency in energy sector	Energy	CO_2	Development of the energy sector with main objectives: energy security, sustainable development, competitiveness.	Other (Planning)	Implemented	This action presents energy consumption up to 2030 in Romania and the measures to cover this consumption.	2007	Ministry of Economy and Finance	1,000.05	8,336.87	8,336.87	11,279.29
Energy efficiency at energy consumer level	Energy	Other (GHG)	Reduction of fuel consumption in the industrial, agriculture and transport sectors.	Other (Planning)	Implemented	Rehabilitation of industrial installations, modernizing the vehicle fleet etc.	2008	Ministry of Economy and Finance, Ministry of Environment and Sustainable Development, Ministry of Interior and Administrative Reform, Ministry of Transport	6,837.18	7,599.00	9,116.35	12,756.34
Utilization of the renewable energy sources	Energy	CO_2	Promoting of renewable energy sources.	Other (Planning)	Implemented	Promotes new energy installations from renewable sources by types of technologies: hydro, photovoltaic, wind and biomass.	2010	Ministry of Economy, Trade and Business Environment	3,132.05	4,766.73	5,709.12	6,048.32
Improvement of energy efficiency and energy requirement for end-users	Energy	CO_2	Establishes the measures to improve energy efficiency and energy requirement for end-users.	Other (Planning)	Implemented	Promotes efficient use of heating and air conditioning systems, use of measurement apparatus for control of energy consumption, efficient use of company cars etc.	2008	Ministry of Economy and Finance, Ministry of Interior and Administrative Reform, Ministry of Development, Public Works and Dwellings, Ministry of Transport	94.91	691.76	852.75	1,164.41
EU-ETS	Energy	CO_2	Greenhouse gas emissions reduction	Economic	Implemented	Establishing the greenhouse gas emission allowance trading scheme.	2007	Ministry of Environment and Water, Ministry of Economy and Trade, Ministry of Interior and Administrative Reform	7,000.00	15,000.00	NA	NA
Primary energy saving measures	Energy	CO_2	Second National Plan on Energy Efficiency for 2011-2020.	Other (Planning)	Implemented	Established measures for primary energy savings (removal from service of production capacities, achieving thermal power new modern coal, promotion of high-efficiency cogeneration, refurbishment / modernization of district heating supply, reducing losses in transmission and distribution networks for electricity, heat and natural gas)	2011	Ministry of Economy, Ministry of Internal Affairs, Ministry of Transport	284.72	955.66	NA	NA
Improvement of the handling coal	Energy	CH_4	Decrease of methane emissions	Other (Planning)	Implemented	Established measures for improvement of the handling coal	2010	Mining Companies	110.47	145.68	151.47	35.37
Improvement for the oil and gas sectors	Energy	CH_4	Decrease of fugitive emissions of CH4	Other (Planning)	Implemented	Established measures for improvement for the oil and gas sectors	2010	Oil and gas companies	1,540.77	1,025.43	942.69	696.99
Improvement for the oil and gas sectors	Energy	CO_2	Decrease of fugitive emissions of CO2	Other (Planning)	Implemented	Established measures for improvement for the oil and gas sectors	2010	Oil and gas companies	72.25	81.00	66.24	56.25
Modernization of industrial sector	Energy	CO_2	Reduction of energy intensity	Other (Planning)	Implemented	Established measures for the reduction of energy intensity	2012	Ministry of Economy and Industry Enterprises	485.15	520.04	583.73	621.38

Table 3 ROU_BR1_v1.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*			
									2015	*2020*	*2025*	*2030*
Modernization of instalations from non-ETS sector	Energy	Other (GHG)	Reduction of GHG emissions for non-ETS sectors	Regulatory	Planned	Commitments up to 2020 for non ETS sector	2014	Ministry of Economy, Trade and Business Environment, Ministry of Environment and Climate Change, Ministry of Transport, Ministry of Agriculture and Sustainable Development, Ministry of Interior and Administrative Reform,	53.37	57.21	64.21	68.35
Modernization of transport sector	Transport	CO_2	Decrease of energy consumption and emissions in transport sector	Other (Planning)	Implemented	Promoting the followings measures: the use of biofuels and bioliquids, new clean passanger cars, encouraging forms of alternative transport (cycling etc), increasing the degree of using public transportation, the use new vehicles with low consumption and emissions, the use of intermodal transport etc	2011	Ministry of Transport	144.27	302.87	331.45	660.58
Modernization of services sector	Energy	CO_2	Decrease of energy consumption in services sector	Other (Planning)	Implemented	Promoting the following measures: the heating upgrade of the buildings, the compulsion to enforce the provisions of EU efficiency standards for new buildings, the efficiency of lighting systems, the use of low energy lamps, new equipments with low energy consumption etc.	2010	Ministry of Regional Development and Public Administration, Ministry of Economy	3.39	197.13	75.38	204.99
Modernization of residential sector	Energy	CO_2	Decrease of energy consumption in residential sector	Other (Planning)	Implemented	Promoting the following measures: the heating upgrade of the blocks of flats, the compulsion to enforce the provisions of EU efficiency standards for new buildings, the efficiency of lighting systems, the use of low energy lamps, the use of new equipments with low energy consumptions etc.	2010	Ministry of Regional Development and Public Administration	122.71	396.27	316.87	330.01
Modernization of agriculture sector	Agriculture	CO_2	Reduction of energy intensity due to concentration of agricultural land and to use of BAT in irrigation installations and new equipments.	Other (Planning)	Implemented	Promoting measures to reduce energy intensity in agriculture sector.	2010	Ministry of Agriculture and Rural Development	41.16	73.20	140.01	145.88
Using the best technology to use solvents and other products	Other (Solvent and Other Products Use)	CO_2	Reduction of solvents and other products, providing quality products and services, environmental protection	Other (Planning)	Implemented	Promoting best technology to reduce solvents and other products.	2012	Businesses in industry, construction, services, population	2.18	3.28	5.42	13.79

Table 3 ROU_BR1_v1.0

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

Name of mitigation action [a]	*Sector(s) affected* [b]	*GHG(s) affected*	*Objective and/or activity affected*	*Type of instrument* [c]	*Status of implementation* [d]	*Brief description* [e]	*Start year of implementation*	*Implementing entity or entities*	*Estimate of mitigation impact (not cumulative, in kt CO_2 eq)*			
									2015	*2020*	*2025*	*2030*
Quality standars of nutrition for cattle, sheep and goats	Agriculture	CH_4	Improvement of quality of nutrition for cattle, sheep and goats	Other (Planning)	Implemented	Use the practice of Common Agricultural Policy	2010	Owners of livestock farms	0.00	767.55	1,433.46	2,356.41
Improvement of manure management	Agriculture	CH_4	Decrease of methane emissions from livestock	Other (Planning)	Implemented	Promoting measures to decrease of methane emissions from livestock	2012	Owners of livestock farms	211.26	205.17	261.03	335.37
Agricultural good practice code	Agriculture	N_2O	Protection of waters against pollution caused by nitrates from agricultural sources	Other (Regulatory/Planning)	Implemented	Promoting measures to reduce water pollutions	2005	Ministry of Environment and Water, Ministry of Agriculture and Rural Development	930.00	1,550.00	1,550.00	3,199.20
Improvement of land use	Forestry/LULUCF	CO_2	Increase of annual harvest wood as of the ore-1989 period. Afforestation of degraded lands 5kha/year(including revegetation and forest belts).	Other (Planning)	Implemented	Implementation of "no-till" practices for 30% of the area of arable land (in rotation) per year from 2015-2030	2010	Ministry of Environment and Climate Change, The Autonomous Direction of Forests, Private owners	6,618.05	5,121.43	12,907.02	15,185.65
Improvement of the management of the solid waste	Waste management/waste	CH_4	Recovering of CH4 emissions resulted from the wastes deposits in compliant landfill.	Other (Planning)	Implemented	Promoting measures to improve the degree of the utilization, the achievement of the compliance deposits of the wastes.	2007	Companies that manage landfill of waste	1,111.32	1,408.68	1,600.41	1,874.04
Improvement of the wastewater treatment	Waste management/waste	CH_4	Improvement of the wastewater treatment	Other (Plannnig)	Implemented	Promoting a more efficient treatment of sewage and commercial water	2007	Ministry of Administration and Interior, Economic operators	226.17	663.39	942.69	1,297.59

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

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

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

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

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

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

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

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

Custom Footnotes

Table 4 ROU_BR1_v1.0

Reporting on progress[a, b]

	Total emissions excluding LULUCF	*Contribution from LULUCF* [d]	*Quantity of units from market based mechanisms under the Convention*		*Quantity of units from other market based mechanisms*	
Year [c]	*(kt CO_2 eq)*	*(kt CO_2 eq)*	*(number of units)*	*(kt CO_2 eq)*	*(number of units)*	*(kt CO_2 eq)*
(1989)	273,325.51	251,812.84	1,279,835.10		NO	
2010	116,639.55	90,808.74			NO	
2011	123,359.15	98,054.21	NO	NO		
2012	NE	NE	NO	NO		

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 ROU_BR1_v1.0

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 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					Land-based approach
A. Forest land					Land-based approach
1. Forest land remaining forest land					Land-based approach
2. Land converted to forest land					Land-based approach
3. Other [g]					Land-based approach
B. Cropland					Land-based approach
1. Cropland remaining cropland					Land-based approach
2. Land converted to cropland					Land-based approach
3. Other [g]					Land-based approach
C. Grassland					Land-based approach
1. Grassland remaining grassland					Land-based approach
2. Land converted to grassland					Land-based approach
3. Other [g]					Land-based approach
D. Wetlands					Land-based approach
1. Wetland remaining wetland					Land-based approach
2. Land converted to wetland					Land-based approach
3. Other [g]					Land-based approach
E. Settlements					Land-based approach
1. Settlements remaining settlements					Land-based approach
2. Land converted to settlements					Land-based approach
3. Other [g]					Land-based approach
F. Other land					Land-based approach
1. Other land remaining other land					Land-based approach
2. Land converted to other land					Land-based approach
3. Other [g]					Land-based approach
Harvested wood products					Land-based approach

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 ROU_BR1_v1.0

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 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					Land-based approach
A. Forest land					Land-based approach
1. Forest land remaining forest land					Land-based approach
2. Land converted to forest land					Land-based approach
3. Other [g]					Land-based approach
B. Cropland					Land-based approach
1. Cropland remaining cropland					Land-based approach
2. Land converted to cropland					Land-based approach
3. Other [g]					Land-based approach
C. Grassland					Land-based approach
1. Grassland remaining grassland					Land-based approach
2. Land converted to grassland					Land-based approach
3. Other [g]					Land-based approach
D. Wetlands					Land-based approach
1. Wetland remaining wetland					Land-based approach
2. Land converted to wetland					Land-based approach
3. Other [g]					Land-based approach
E. Settlements					Land-based approach
1. Settlements remaining settlements					Land-based approach
2. Land converted to settlements					Land-based approach
3. Other [g]					Land-based approach
F. Other land					Land-based approach
1. Other land remaining other land					Land-based approach
2. Land converted to other land					Land-based approach
3. Other [g]					Land-based approach
Harvested wood products					Land-based approach

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

ROU_BR1_v1.0
Source: ROU_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								-1'453.93
A.1.1. Units of land not harvested since the beginning of the commitment periodj		-333.56	-354.23	-373.92	-392.21	-1,453.93		-1'453.93
A.1.2. Units of land harvested since the beginning of the commitment periodj								IE,NO
A.2. Deforestation		2,089.70	479.76	476.17	498.12	3,543.76		3543.75501
B. Article 3.4 activities								
B.1. Forest Management (if elected)		-22,263.35	-22,739.84	-22,299.76	-20,564.39	-87,867.35		-22256.49621
3.3 offset[k]							2089.82954	-2089.82954
FM cap[l]							20166.66667	-20166.66667
B.2. Cropland Management (if elected)	NA	NA	NA	NA	NA	NA	NA	NA
B.3. Grazing Land Management (if elected)	NA	NA	NA	NA	NA	NA	NA	NA
B.4. Revegetation (if elected)	-1274.96939	-238.94	-253.57	-268.28	-286.95	-1,047.75	-5099.87756	4052.13242

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) ROU_BR1_v1.0

Reporting on progress[a, b, c]

Units of market based mechanisms			*Year*	
			2011	*2012*
Kyoto Protocol units[d]	*Kyoto Protocol units*	*(number of units)*	NO	NO
		(kt CO_2 eq)	NO	NO
	AAUs	*(number of units)*	NO	NO
		(kt CO2 eq)	NO	NO
	ERUs	*(number of units)*	NO	NO
		(kt CO2 eq)	NO	NO
	CERs	*(number of units)*	NO	NO
		(kt CO2 eq)	NO	NO
	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)*	NO	NO
		(kt CO_2 eq)	NO	NO

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 ROU_BR1_v1.0

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

Key underlying assumptions		*Historical*[b]							Projected			
Assumption	*Unit*	*1989*	*1990*	1995	2000	2005	2010	2011	2015	2020	2025	2030
GDP growth rate	*%*	NE	NE	-2.17	-1.26	5.72	2.46	2.19	2.80	3.41	3.00	2.00
Population	thousands	NE	23,211.00	22,712.00	22,435.00	21,624.00	21,431.00	21,354.00	21,180.00	20,800.00	20,322.00	19,753.00
Population growth	%	NE	NE	-2.15	-1.22	-3.61	-0.89	-0.36	-0.81	-1.79	-2.30	-2.80
Number of households	thousands	NE	7,659.00	7,782.00	7,908.00	8,201.00	8,428.00	8,468.00	8,500.00	8,570.00	8,620.00	8,620.00
International oil price	EURO2010/boe	NE	NA	NA	NA	NA	NA	NA	86.00	88.50	89.20	93.10
International coal price	EURO2010/boe	NE	NA	NA	NA	NA	NA	NA	22.00	22.60	23.70	24.00
International gas price	*EURO2010/boe*	NE	NA	NA	NA	NA	NA	NA	53.80	64.50	58.90	64.50

[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) ROU_BR1_v1.0

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

	GHG emissions and removals[b]							GHG emission projections	
	(kt CO_2 eq)							($kt CO_2$ eq)	
	Base year (1989)	1990	1995	2000	2005	2010	2011	2020	2030
Sector[d,e]									
Energy	184,235.08	165,806.03	114,240.07	83,498.04	83,896.69	65,323.88	71,742.74	71,127.84	75,583.27
Transport	7,574.06	11,962.16	8,080.55	9,396.31	12,705.42	14,300.12	14,577.72	18,322.78	19,973.92
Industry/industrial processes	36,111.92	25,430.64	21,634.95	17,050.73	18,493.34	12,538.99	12,730.75	17,748.61	23,609.95
Agriculture	40,734.14	36,708.34	24,135.56	18,455.10	20,949.57	18,760.94	18,941.46	20,882.51	23,970.01
Forestry/LULUCF	-21,512.67	-27,355.39	-27,192.55	-29,219.59	-28,062.87	-25,830.81	-25,304.94	-19,192.52	-9,128.30
Waste management/waste	4,670.31	4,580.08	4,764.89	5,157.70	5,539.28	5,715.62	5,366.48	4,829.07	4,320.28
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	174,029.15	148,286.67	96,830.51	63,201.72	71,350.77	55,104.96	62,654.48	76,042.53	94,028.73
CO_2 emissions excluding net CO_2 from LULUCF	195,541.82	175,642.08	124,023.08	92,422.16	99,415.84	80,939.05	87,962.88	95,235.10	103,157.08
CH_4 emissions including CH_4 from LULUCF	46,540.15	42,806.28	30,568.21	26,397.62	26,334.77	22,584.36	22,258.20	22,590.82	25,456.64
CH_4 emissions excluding CH_4 from LULUCF	46,540.15	42,806.27	30,568.21	26,397.54	26,334.77	22,584.36	22,258.13	22,590.80	25,456.62
N_2O emissions including N_2O from LULUCF	27,893.98	23,923.08	16,395.95	13,283.14	15,217.23	12,411.35	12,682.85	14,373.37	17,684.70
N_2O emissions excluding N_2O from LULUCF	27,893.98	23,923.07	16,395.94	13,282.36	15,215.04	12,408.07	12,679.45	14,373.34	17,684.67
HFCs	NA	NA	95.04	163.43	487.21	695.05	440.55	690.22	1,124.29
PFCs	3,349.56	2,115.83	1,773.69	1,292.37	81.90	7.93	10.92	14.23	23.18
SF_6	NA	NA	0.06	0.00	49.56	5.09	7.21	7.12	11.59
Other (specify)									
Total with LULUCF[f]	251,812.84	217,131.86	145,663.46	104,338.28	113,521.44	90,808.74	98,054.21	113,718.29	138,329.13
Total without LULUCF	273,325.51	244,487.25	172,856.02	133,557.86	141,584.32	116,639.55	123,359.14	132,910.81	147,457.43

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

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

Table 6(a) ROU_BR1_v1.0

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

	GHG emissions and removals[b]							GHG emission projections	
	(kt CO_2 eq)							(kt CO_2 eq)	
	Base year (1989)	1990	1995	2000	2005	2010	2011	2020	2030

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

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

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

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

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

Custom Footnotes

Table 6(b) ROU_BR1_v1.0

Information on updated greenhouse gas projections under a 'without measures' scenario[a]

	GHG emissions and removals[b]							GHG emission projections	
	(kt CO_2 eq)							(kt CO_2 eq)	
	Base year (1989)	1990	1995	2000	2005	2010	2011	2020	2030
Sector[d,e]									
Energy	184,235.08	165,806.03	114,240.07	83,498.04	83,896.69	65,323.88	71,742.74	73,229.78	77,725.22
Transport	7,574.06	11,962.16	8,080.55	9,396.31	12,705.42	14,300.12	14,577.72	18,629.06	20,638.16
Industry/industrial processes	36,111.92	25,430.64	21,634.95	17,050.73	18,493.34	12,538.99	12,730.75	18,482.57	24,496.81
Agriculture	40,734.14	36,708.34	24,135.56	18,455.10	20,949.57	18,760.94	18,941.46	23,267.26	29,841.67
Forestry/LULUCF	-21,512.67	-27,355.39	-27,192.55	-29,219.59	-28,062.87	-25,830.81	-25,304.94	-28,028.19	-18,872.80
Waste management/waste	4,670.31	4,580.08	4,764.89	5,157.70	5,539.28	5,715.62	5,366.48	6,901.14	7,491.91
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	174,029.15	148,286.67	96,830.51	63,201.72	71,350.77	55,104.96	62,654.48	68,950.49	86,887.96
CO_2 emissions excluding net CO_2 from LULUCF	195,541.82	175,642.08	124,023.08	92,422.16	99,415.84	80,939.05	87,962.88	96,978.73	105,760.81
CH_4 emissions including CH_4 from LULUCF	46,540.15	42,806.28	30,568.21	26,397.62	26,334.77	22,584.36	22,258.20	26,683.49	32,135.33
CH_4 emissions excluding CH_4 from LULUCF	46,540.15	42,806.27	30,568.21	26,397.54	26,334.77	22,584.36	22,258.13	26,683.47	32,135.32
N_2O emissions including N_2O from LULUCF	27,893.98	23,923.08	16,395.95	13,283.14	15,217.23	12,411.35	12,682.85	16,136.06	21,138.61
N_2O emissions excluding N_2O from LULUCF	27,893.98	23,923.07	16,395.94	13,282.36	15,215.04	12,408.07	12,679.45	16,136.03	21,138.58
HFCs	NA	NA	95.04	163.43	487.21	695.05	440.55	690.22	1,124.29
PFCs	3,349.56	2,115.83	1,773.69	1,292.37	81.90	7.93	10.92	14.23	23.18
SF_6	NA	NA	0.06	0.00	49.56	5.09	7.21	7.12	11.59
Other (specify)									
Total with LULUCF[f]	251,812.84	217,131.86	145,663.46	104,338.28	113,521.44	90,808.74	98,054.21	112,481.61	141,320.96
Total without LULUCF	273,325.51	244,487.25	172,856.02	133,557.86	141,584.32	116,639.55	123,359.14	140,509.80	160,193.77

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

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

Table 6(b) ROU_BR1_v1.0

Information on updated greenhouse gas projections under a 'without measures' scenario[a]

	GHG emissions and removals[b]							GHG emission projections	
	(kt CO_2 eq)							(kt CO_2 eq)	
	Base year (1989)	1990	1995	2000	2005	2010	2011	2020	2030

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

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

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

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

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

Table 6(c) ROU_BR1_v1.0

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

	GHG emissions and removals[b]							GHG emission projections	
	(kt CO_2 eq)							(kt CO_2 eq)	
	Base year (1989)	1990	1995	2000	2005	2010	2011	2020	2030
Sector[d,e]									
Energy	184,235.08	165,806.03	114,240.07	83,498.04	83,896.69	65,323.88	71,742.74	70,122.15	74,178.94
Transport	7,574.06	11,962.16	8,080.55	9,396.31	12,705.42	14,300.12	14,577.72	18,095.49	19,776.20
Industry/industrial processes	36,111.92	25,430.64	21,634.95	17,050.73	18,493.34	12,538.99	12,730.75	17,747.01	23,608.41
Agriculture	40,734.14	36,708.34	24,135.56	18,455.10	20,949.57	18,760.94	18,941.46	19,537.97	22,490.23
Forestry/LULUCF	-21,512.67	-27,355.39	-27,192.55	-29,219.59	-28,062.87	-25,830.81	-25,304.94	-17,855.75	-7,314.04
Waste management/waste	4,670.31	4,580.08	4,764.89	5,157.70	5,539.28	5,715.62	5,366.48	4,388.91	3,837.28
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	174,029.15	148,286.67	96,830.51	63,201.72	71,350.77	55,104.96	62,654.48	76,323.85	94,496.11
CO_2 emissions excluding net CO_2 from LULUCF	195,541.82	175,642.08	124,023.08	92,422.16	99,415.84	80,939.05	87,962.88	94,179.66	101,810.20
CH_4 emissions including CH_4 from LULUCF	46,540.15	42,806.28	30,568.21	26,397.62	26,334.77	22,584.36	22,258.20	21,561.55	24,042.13
CH_4 emissions excluding CH_4 from LULUCF	46,540.15	42,806.27	30,568.21	26,397.54	26,334.77	22,584.36	22,258.13	21,561.53	24,042.12
N_2O emissions including N_2O from LULUCF	27,893.98	23,923.08	16,395.95	13,283.14	15,217.23	12,411.35	12,682.85	13,438.80	16,879.71
N_2O emissions excluding N_2O from LULUCF	27,893.98	23,923.07	16,395.94	13,282.36	15,215.04	12,408.07	12,679.45	13,438.76	16,879.67
HFCs	NA	NA	95.04	163.43	487.21	695.05	440.55	690.22	1,124.29
PFCs	3,349.56	2,115.83	1,773.69	1,292.37	81.90	7.93	10.92	14.23	23.18
SF_6	NA	NA	0.06	0.00	49.56	5.09	7.21	7.12	11.59
Other (specify)									
Total with LULUCF[f]	251,812.84	217,131.86	145,663.46	104,338.28	113,521.44	90,808.74	98,054.21	112,035.77	136,577.01
Total without LULUCF	273,325.51	244,487.25	172,856.02	133,557.86	141,584.32	116,639.55	123,359.14	129,891.52	143,891.05

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

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

Table 6(c) ROU_BR1_v1.0

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

	GHG emissions and removals[b]							GHG emission projections	
	(kt CO_2 eq)							(kt CO_2 eq)	
	Base year (1989)	1990	1995	2000	2005	2010	2011	2020	2030

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

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

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

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

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

Table 7 ROU_BR1_v1.0

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

Allocation channels	*Year*									
	Romanian leu - RON					*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:	670,665.00					202,599.46				
Multilateral climate change funds[g]	670,665.00					202,599.46				
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	670,665.00					202,599.46				

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 ROU_BR1_v1.0

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

Allocation channels	*Year*									
	Romanian leu - RON					*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:	804,798.00					243,119.35				
Multilateral climate change funds[g]	804,798.00					243,119.35				
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	804,798.00					243,119.35				

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.

[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) ROU_BR1_v1.0

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

Donor funding	*Total amount*				*Status*[b]	*Funding source*[f]	*Financial instrument*[f]	*Type of support*[f,g]	*Sector*[c]
	Core/general[d]		*Climate-specific*[e]						
	Romanian leu - RON	*USD*	*Romanian leu - RON*	*USD*					
Total contributions through multilateral channels	670,665.00	202,599.46							
Multilateral climate change funds[g]	670,665.00	202,599.46							
1. Global Environment Facility	670,665.00	202,599.46			Provided	ODA	Grant	Other (Core)	Other (Other)
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(a) ROU_BR1_v1.0

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

Donor funding	*Total amount*				*Status*[b]	*Funding source*[f]	*Financial instrument*[f]	*Type of support*[f, g]	*Sector*[c]
	Core/general[d]		*Climate-specific*[e]						
	Romanian leu - RON	*USD*	*Romanian leu - RON*	*USD*					
Total contributions through multilateral channels	804,798.00	243,119.35							
Multilateral climate change funds[g]	804,798.00	243,119.35							
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	804,798.00	243,119.35			Provided	ODA	Grant	Other (Core)	Other (Other)
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) ROU_BR1_v1.0

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

Recipient country/ region/project/programme [b]	*Total amount*		*Status* [c]	*Funding source* [g]	*Financial instrument* [g]	*Type of support* [g, h]	*Sector* [d]	*Additional information* [e]
	Climate-specific [f]							
	Romanian leu - RON	*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 7(b) ROU_BR1_v1.0

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]							
	Romanian leu - RON	*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 ROU_BR1_v1.0

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

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

[a] To be reported to the extent possible.

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

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

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

Custom Footnotes

Table 9 ROU_BR1_v1.0

Provision of capacity-building support[a]

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

[a] To be reported to the extent possible.

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

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

Custom Footnotes