

BR CTF submission workbook

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Table 1

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

<i>GREENHOUSE GAS EMISSIONS</i>	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
CO ₂ emissions including net CO ₂ from LULUCF	266,563.18	237,408.59	227,244.57	200,330.86	164,892.70	154,174.64	135,737.41	123,692.49	124,632.48
CO ₂ emissions excluding net CO ₂ from LULUCF	268,730.18	239,531.59	229,591.23	202,897.53	169,802.37	161,474.97	145,483.41	135,876.82	139,196.48
CH ₄ emissions including CH ₄ from LULUCF	73,328.12	72,285.49	68,992.35	62,460.45	54,040.23	44,511.19	39,030.41	34,603.54	32,727.63
CH ₄ emissions excluding CH ₄ from LULUCF	73,327.77	72,285.04	68,991.95	62,460.21	54,038.67	44,504.22	39,027.30	34,541.45	32,723.35
N ₂ O emissions including N ₂ O from LULUCF	16,319.82	15,127.73	15,863.38	13,858.34	11,040.24	8,945.78	7,133.70	5,949.63	5,336.21
N ₂ O emissions excluding N ₂ O from LULUCF	16,319.71	15,127.60	15,863.27	13,858.27	11,039.78	8,943.72	7,132.78	5,931.30	5,334.94
HFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.21	0.40	0.40	42.51
PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Total (including LULUCF)	356,211.11	324,821.82	312,100.30	276,649.65	229,973.17	207,631.81	181,901.92	164,246.06	162,738.83
Total (excluding LULUCF)	358,377.66	326,944.23	314,446.45	279,216.01	234,880.82	214,923.11	191,643.89	176,349.97	177,297.28

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
1. Energy	299,576.11	270,891.67	260,202.98	230,721.06	196,619.16	180,550.49	163,477.54	149,727.13	153,316.18
2. Industrial Processes	17,916.83	16,721.38	14,691.26	11,008.65	7,381.47	8,144.59	7,091.77	8,858.38	7,382.37
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
4. Agriculture	38,144.51	36,486.47	36,599.98	34,452.56	27,774.79	23,121.10	17,949.20	14,597.27	13,507.30
5. Land Use, Land-Use Change and Forestry ^b	-2,166.55	-2,122.41	-2,346.15	-2,566.36	-4,907.64	-7,291.30	-9,741.96	-12,103.92	-14,558.45
6. Waste	2,740.21	2,844.72	2,952.23	3,033.75	3,105.39	3,106.93	3,125.38	3,167.19	3,091.44
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	356,211.11	324,821.82	312,100.30	276,649.65	229,973.17	207,631.81	181,901.92	164,246.06	162,738.83

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

KAZ_BR1_v2.0

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

<i>GREENHOUSE GAS EMISSIONS</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
CO ₂ emissions including net CO ₂ from LULUCF	97,466.00	122,982.81	118,748.28	139,059.02	156,662.23	162,543.54	177,877.04	199,562.45	197,798.40	184,038.22
CO ₂ emissions excluding net CO ₂ from LULUCF	109,808.00	133,106.47	126,580.28	144,577.35	159,833.90	165,557.54	180,740.70	202,286.78	200,269.73	186,513.22
CH ₄ emissions including CH ₄ from LULUCF	30,175.45	33,035.06	29,881.08	31,719.35	35,436.47	36,902.47	37,753.05	40,015.71	41,573.07	44,854.22
CH ₄ emissions excluding CH ₄ from LULUCF	30,168.41	33,030.67	29,874.61	31,714.21	35,424.87	36,887.09	37,748.66	40,008.26	41,550.14	44,852.24
N ₂ O emissions including N ₂ O from LULUCF	5,537.91	5,663.89	6,047.66	6,456.67	6,886.36	7,161.19	7,545.53	8,012.54	8,449.64	8,309.43
N ₂ O emissions excluding N ₂ O from LULUCF	5,535.83	5,662.60	6,045.75	6,455.15	6,882.94	7,156.65	7,544.23	8,010.34	8,442.87	8,308.85
HFCs	17.55	164.19	197.08	159.90	176.80	235.82	237.12	390.13	610.36	606.49
PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	87.17	567.27
SF ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.45	0.15	0.03	0.02	0.11
Total (including LULUCF)	133,196.91	161,845.94	154,874.10	177,394.93	199,161.87	206,843.47	223,412.88	247,980.86	248,518.66	238,375.74
Total (excluding LULUCF)	145,529.79	171,963.93	162,697.72	182,906.61	202,318.51	209,837.55	226,270.86	250,695.54	250,960.30	240,848.18

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
1. Energy	119,403.39	144,113.45	133,559.41	152,094.00	169,478.00	175,084.43	190,447.95	213,943.62	212,439.66	201,458.40
2. Industrial Processes	8,835.40	10,226.43	10,861.47	11,526.37	12,348.09	13,216.26	13,258.11	13,073.31	13,902.54	14,383.47
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
4. Agriculture	14,232.67	14,529.43	15,138.55	16,061.17	17,197.77	18,167.53	19,091.84	20,111.19	20,951.46	21,262.26
5. Land Use, Land-Use Change and Forestry ^b	-12,332.88	-10,117.98	-7,823.62	-5,511.68	-3,156.64	-2,994.08	-2,857.98	-2,714.68	-2,441.63	-2,472.44
6. Waste	3,058.33	3,094.62	3,138.28	3,225.08	3,294.65	3,369.32	3,472.95	3,567.42	3,666.64	3,744.05
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	133,196.91	161,845.94	154,874.10	177,394.93	199,161.87	206,843.47	223,412.88	247,980.86	248,518.66	238,375.74

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

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

<i>GREENHOUSE GAS EMISSIONS</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	(%)
CO ₂ emissions including net CO ₂ from LULUCF	204,310.23	223,747.28	211,622.79	-20.61
CO ₂ emissions excluding net CO ₂ from LULUCF	206,792.56	226,640.28	214,717.46	-20.10
CH ₄ emissions including CH ₄ from LULUCF	44,654.75	48,328.40	48,635.19	-33.67
CH ₄ emissions excluding CH ₄ from LULUCF	44,654.04	48,326.48	48,634.38	-33.68
N ₂ O emissions including N ₂ O from LULUCF	8,873.27	8,962.57	8,936.96	-45.24
N ₂ O emissions excluding N ₂ O from LULUCF	8,873.05	8,962.00	8,936.71	-45.24
HFCs	646.76	837.37	843.56	100.00
PFCs	678.93	1,201.50	1,328.41	100.00
SF ₆	3.31	NA, NO	NA, NO	0.00
Total (including LULUCF)	259,167.24	283,077.12	271,366.91	-23.82
Total (excluding LULUCF)	261,648.65	285,967.63	274,460.52	-23.42

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	(%)
1. Energy	222,221.59	244,609.22	231,802.61	-22.62
2. Industrial Processes	13,598.40	15,108.77	17,159.66	-4.23
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	0.00
4. Agriculture	21,987.11	22,295.96	21,432.69	-43.81
5. Land Use, Land-Use Change and Forestry ^b	-2,481.41	-2,890.50	-3,093.61	42.79
6. Waste	3,841.55	3,953.68	4,065.56	48.37
7. Other	NA	NA	NA	0.00
Total (including LULUCF)	259,167.24	283,077.12	271,366.91	-23.82

Notes :

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

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO₂ eq equals 1 Gg CO₂ eq.

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

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

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

Custom Footnotes

Emission trends (CO₂)
(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	250,860.74	222,854.01	214,937.78	191,918.22	162,440.41	153,350.15	138,410.86	127,042.13	131,878.60
A. Fuel Combustion (Sectoral Approach)	244,844.47	216,681.31	208,922.18	186,573.13	157,715.30	148,570.33	133,102.77	121,099.38	125,896.54
1. Energy Industries	113,513.36	111,682.65	111,538.86	102,755.29	85,869.05	85,054.71	75,208.19	66,582.60	62,963.32
2. Manufacturing Industries and Construction	21,891.41	21,376.51	35,242.78	28,118.60	19,563.98	17,846.26	15,789.45	17,398.21	16,165.01
3. Transport	22,490.91	19,616.42	16,733.93	12,358.34	10,568.27	8,963.98	7,401.79	6,846.00	6,513.78
4. Other Sectors	51,747.99	48,072.06	42,809.90	41,105.40	38,162.96	32,445.62	31,175.29	25,550.00	18,649.24
5. Other	35,200.80	15,933.67	2,596.70	2,235.50	3,551.06	4,259.77	3,528.05	4,722.58	21,605.19
B. Fugitive Emissions from Fuels	6,016.27	6,172.71	6,015.60	5,345.09	4,725.10	4,779.82	5,308.09	5,942.75	5,982.06
1. Solid Fuels	169.06	164.38	162.03	142.06	132.75	105.47	108.56	105.07	106.53
2. Oil and Natural Gas	5,847.20	6,008.32	5,853.57	5,203.03	4,592.35	4,674.35	5,199.53	5,837.68	5,875.54
2. Industrial Processes	17,869.44	16,677.58	14,653.45	10,979.31	7,361.96	8,124.83	7,072.55	8,834.69	7,317.88
A. Mineral Products	5,955.81	5,385.50	4,756.77	3,228.78	2,186.76	2,041.39	1,757.30	1,677.18	1,444.46
B. Chemical Industry	1,588.67	1,398.21	1,112.87	528.23	270.14	349.89	334.98	188.43	96.39
C. Metal Production	10,324.96	9,893.87	8,783.80	7,222.31	4,905.06	5,733.54	4,980.27	6,969.08	5,777.03
D. Other Production	NE	NE	NE	NE	NE	NE	NE	NE	NE
E. Production of Halocarbons and SF ₆									
F. Consumption of Halocarbons and SF ₆									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
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	-2,167.00	-2,123.00	-2,346.67	-2,566.67	-4,909.67	-7,300.33	-9,746.00	-12,184.33	-14,564.00
A. Forest Land	-1,774.67	-1,950.67	-2,368.67	-2,797.67	-3,564.00	-4,374.33	-5,239.67	-6,101.33	-6,959.33
B. Cropland	-11.00	58.67	132.00	205.33	165.00	128.33	88.00	47.67	99.00
C. Grassland	-381.33	-231.00	-110.00	25.67	-1,510.67	-3,054.33	-4,594.33	-6,130.67	-7,703.67
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling									
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO
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	266,563.18	237,408.59	227,244.57	200,330.86	164,892.70	154,174.64	135,737.41	123,692.49	124,632.48
Total CO₂ emissions excluding net CO₂ from LULUCF	268,730.18	239,531.59	229,591.23	202,897.53	169,802.37	161,474.97	145,483.41	135,876.82	139,196.48
Memo Items:									
International Bunkers	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Aviation	NE	NE	NE	NE	NE	NE	NE	NE	NE
Marine	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ Emissions from Biomass	1,083.33	900.44	736.82	662.29	563.57	529.91	520.65	526.01	512.20

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

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

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	101,016.29	123,072.49	115,945.06	133,240.15	147,692.40	152,607.90	167,748.51	189,634.18	187,099.38	173,333.91
A. Fuel Combustion (Sectoral Approach)	93,813.70	116,704.86	111,259.28	128,506.09	143,398.17	147,305.29	162,553.21	183,581.43	181,787.76	169,727.77
1. Energy Industries	48,892.05	55,547.75	58,808.24	62,494.28	69,324.81	79,938.30	83,236.20	87,225.65	84,671.04	80,686.88
2. Manufacturing Industries and Construction	19,304.86	21,524.46	23,070.40	24,706.74	25,939.16	23,009.01	25,394.57	27,193.80	28,361.30	26,497.92
3. Transport	5,827.12	9,141.29	10,352.43	12,527.12	13,787.77	11,438.73	13,168.26	17,663.20	20,298.72	21,936.69
4. Other Sectors	7,405.89	8,548.25	9,286.90	10,814.13	12,358.71	12,315.23	10,667.24	14,401.93	12,908.62	15,021.37
5. Other	12,383.76	21,943.12	9,741.31	17,963.82	21,987.72	20,604.01	30,086.92	37,096.85	35,548.07	25,584.91
B. Fugitive Emissions from Fuels	7,202.60	6,367.63	4,685.78	4,734.06	4,294.23	5,302.62	5,195.31	6,052.75	5,311.62	3,606.13
1. Solid Fuels	89.83	117.25	122.11	111.10	127.16	130.75	125.30	139.75	145.69	168.19
2. Oil and Natural Gas	7,112.77	6,250.37	4,563.67	4,622.96	4,167.06	5,171.86	5,070.01	5,913.00	5,165.93	3,437.95
2. Industrial Processes	8,791.70	10,033.99	10,635.22	11,337.20	12,141.50	12,949.63	12,992.19	12,652.60	13,169.95	13,178.71
A. Mineral Products	1,446.70	2,013.50	2,458.11	2,946.66	3,270.25	3,603.89	3,806.24	4,117.03	4,026.33	4,295.40
B. Chemical Industry	48.04	31.27	94.56	111.34	164.34	212.46	152.37	147.30	281.71	285.43
C. Metal Production	7,296.96	7,989.21	8,082.55	8,279.20	8,706.91	9,133.28	9,033.59	8,388.28	8,861.91	8,597.88
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	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
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	-12,342.00	-10,123.67	-7,832.00	-5,518.33	-3,171.67	-3,014.00	-2,863.67	-2,724.33	-2,471.33	-2,475.00
A. Forest Land	-6,218.67	-5,569.67	-4,851.00	-4,106.67	-3,329.33	-3,083.67	-2,845.33	-2,610.67	-2,394.33	-2,702.33
B. Cropland	69.67	128.33	187.00	249.33	308.00	209.00	106.33	7.33	33.00	-69.67
C. Grassland	-6,193.00	-4,682.33	-3,168.00	-1,661.00	-150.33	-139.33	-124.67	-121.00	-110.00	297.00
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, 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	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.41	0.60
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling										
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	0.00	0.41	0.60
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	97,466.00	122,982.81	118,748.28	139,059.02	156,662.23	162,543.54	177,877.04	199,562.45	197,798.40	184,038.22
Total CO2 emissions excluding net CO2 from LULUCF	109,808.00	133,106.47	126,580.28	144,577.35	159,833.90	165,557.54	180,740.70	202,286.78	200,269.73	186,513.22
Memo Items:										
International Bunkers	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Aviation	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Marine	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass	581.65	309.42	400.85	405.24	386.79	231.06	315.75	245.55	329.29	357.03

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

Table 1(a)

KAZ_BR1_v2.0

Emission trends (CO₂)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	194,544.56	213,591.11	199,754.18	-20.37
A. Fuel Combustion (Sectoral Approach)	191,135.83	210,868.42	197,166.29	-19.47
1. Energy Industries	87,330.84	95,404.38	93,657.17	-17.49
2. Manufacturing Industries and Construction	25,765.63	25,295.34	26,292.54	20.10
3. Transport	20,379.30	19,809.93	19,910.39	-11.47
4. Other Sectors	13,207.62	14,348.16	16,795.38	-67.54
5. Other	44,452.44	56,010.61	40,510.80	15.08
B. Fugitive Emissions from Fuels	3,408.73	2,722.69	2,587.89	-56.99
1. Solid Fuels	149.08	174.46	181.17	7.16
2. Oil and Natural Gas	3,259.65	2,548.23	2,406.73	-58.84
2. Industrial Processes	12,242.60	13,043.37	14,959.73	-16.28
A. Mineral Products	3,670.99	4,133.54	5,360.16	-10.00
B. Chemical Industry	252.67	243.10	273.53	-82.78
C. Metal Production	8,318.94	8,666.72	9,326.04	-9.67
D. Other Production	NE	NE	NE	0.00
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	0.00
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	-2,482.33	-2,893.00	-3,094.67	42.81
A. Forest Land	-3,025.00	-3,058.00	-3,215.67	81.20
B. Cropland	-58.67	-58.67	NE, NO	-100.00
C. Grassland	601.33	223.67	121.00	-131.73
D. Wetlands	NE, NO	NE, NO	NE, NO	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NA	NA	NA	0.00
6. Waste	5.40	5.79	3.55	100.00
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	0.00
B. Waste-water Handling				
C. Waste Incineration	5.40	5.79	3.55	100.00
D. Other	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CO₂ emissions including net CO₂ from LULUCF	204,310.23	223,747.28	211,622.79	-20.61
Total CO₂ emissions excluding net CO₂ from LULUCF	206,792.56	226,640.28	214,717.46	-20.10
Memo Items:				
International Bunkers	508.10	458.01	397.95	100.00
Aviation	508.10	458.01	397.95	100.00
Marine	NA, NE	NA, NE	NA, NE	0.00
Multilateral Operations	NO	NO	NO	0.00
CO₂ Emissions from Biomass	459.97	511.41	495.34	-54.28

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

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

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

Custom Footnotes

Emission trends (CH₄)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	2,278.30	2,250.29	2,119.75	1,815.67	1,600.23	1,268.97	1,169.96	1,059.15	999.32
A. Fuel Combustion (Sectoral Approach)	61.87	52.90	58.81	50.46	41.32	37.33	35.70	34.61	32.38
1. Energy Industries	1.87	1.82	1.61	1.45	1.18	1.19	1.06	0.94	0.89
2. Manufacturing Industries and Construction	1.58	1.56	2.63	2.08	1.46	1.32	1.17	1.27	1.20
3. Transport	5.98	4.98	4.64	3.59	3.06	2.55	2.12	1.90	1.80
4. Other Sectors	49.36	43.00	49.77	43.19	35.44	32.07	31.17	30.29	27.00
5. Other	3.08	1.53	0.16	0.15	0.18	0.20	0.18	0.21	1.49
B. Fugitive Emissions from Fuels	2,216.43	2,197.39	2,060.93	1,765.22	1,558.91	1,231.64	1,134.26	1,024.54	966.94
1. Solid Fuels	1,782.44	1,749.88	1,666.51	1,461.86	1,328.26	973.03	890.39	878.05	828.89
2. Oil and Natural Gas	433.99	447.51	394.43	303.36	230.65	258.60	243.87	146.49	138.05
2. Industrial Processes	2.26	2.09	1.80	1.40	0.93	0.93	0.90	1.11	1.05
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	2.26	2.09	1.80	1.40	0.93	0.93	0.90	1.11	1.05
C. Metal Production	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
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	1,099.26	1,074.17	1,044.44	1,034.67	847.00	721.96	558.92	453.73	427.25
A. Enteric Fermentation	1,017.73	994.74	967.04	959.28	782.04	666.24	515.06	417.62	393.53
B. Manure Management	74.09	72.29	70.50	68.91	58.84	49.96	38.45	31.07	29.04
C. Rice Cultivation	7.44	7.14	6.90	6.48	6.12	5.76	5.40	5.04	4.68
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	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.02	0.02	0.02	0.01	0.07	0.33	0.15	2.96	0.20
A. Forest Land	0.02	0.02	0.02	0.01	0.07	0.33	0.15	2.96	0.20
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, 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	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	111.98	115.60	119.35	122.55	125.11	127.39	128.67	130.84	130.64
A. Solid Waste Disposal on Land	111.98	115.60	119.35	122.55	125.11	127.39	128.67	130.84	130.64
B. Waste-water Handling	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO
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	3,491.82	3,442.17	3,285.35	2,974.31	2,573.34	2,119.58	1,858.59	1,647.79	1,558.46
Total CH4 emissions excluding CH4 from LULUCF	3,491.80	3,442.14	3,285.33	2,974.30	2,573.27	2,119.25	1,858.44	1,644.83	1,558.25
Memo Items:									
International Bunkers	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Aviation	NE	NE	NE	NE	NE	NE	NE	NE	NE
Marine	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass									

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

Emission trends (CH₄)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	858.57	981.66	818.85	875.96	1,013.10	1,045.10	1,053.63	1,128.42	1,176.31	1,311.56
A. Fuel Combustion (Sectoral Approach)	15.64	16.63	18.44	19.79	22.67	28.18	23.44	24.05	26.48	28.96
1. Energy Industries	0.66	0.79	0.80	0.94	1.05	1.23	1.36	1.28	1.22	1.22
2. Manufacturing Industries and Construction	1.50	1.61	1.68	1.71	1.76	1.71	1.87	2.18	2.46	2.25
3. Transport	1.78	2.27	2.46	3.00	3.23	3.17	3.80	4.62	5.38	6.15
4. Other Sectors	10.71	10.12	12.78	13.09	15.29	21.03	14.57	13.96	14.92	18.00
5. Other	0.99	1.86	0.71	1.05	1.34	1.04	1.83	2.02	2.50	1.34
B. Fugitive Emissions from Fuels	842.93	965.03	800.41	856.17	990.43	1,016.91	1,030.19	1,104.37	1,149.83	1,282.60
1. Solid Fuels	695.94	807.72	610.12	674.28	782.52	772.65	752.72	815.40	827.91	944.15
2. Oil and Natural Gas	146.99	157.31	190.29	181.89	207.90	244.27	277.47	288.97	321.91	338.45
2. Industrial Processes	1.25	1.35	1.39	1.39	1.42	1.45	1.36	1.45	1.67	1.47
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	1.25	1.35	1.39	1.39	1.42	1.45	1.36	1.45	1.67	1.47
C. Metal Production	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
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	445.70	457.74	468.74	497.07	534.07	568.72	597.90	626.74	647.87	666.67
A. Enteric Fermentation	411.58	422.24	432.29	458.74	492.26	525.54	553.07	580.23	600.07	618.61
B. Manure Management	29.72	30.85	32.16	34.25	36.75	38.30	39.69	41.23	42.52	43.50
C. Rice Cultivation	4.40	4.65	4.29	4.08	5.06	4.88	5.14	5.28	5.28	4.56
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.34	0.21	0.31	0.24	0.55	0.73	0.21	0.35	1.09	0.09
A. Forest Land	0.34	0.21	0.31	0.24	0.55	0.73	0.21	0.35	1.09	0.09
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
D. Wetlands	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	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	131.08	132.14	133.63	135.77	138.31	141.27	144.66	148.54	152.73	156.12
A. Solid Waste Disposal on Land	131.08	132.14	133.63	135.77	138.31	141.27	144.66	148.54	152.73	156.12
B. Waste-water Handling	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
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	1,436.93	1,573.10	1,422.91	1,510.45	1,687.45	1,757.26	1,797.76	1,905.51	1,979.67	2,135.92
Total CH₄ emissions excluding CH₄ from LULUCF	1,436.59	1,572.89	1,422.60	1,510.20	1,686.90	1,756.53	1,797.56	1,905.16	1,978.58	2,135.82
Memo Items:										
International Bunkers	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Aviation	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Marine	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ Emissions from Biomass										

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

Emission trends (CH₄)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	1,285.92	1,442.22	1,494.01	-34.42
A. Fuel Combustion (Sectoral Approach)	31.08	33.34	40.43	-34.66
1. Energy Industries	1.21	1.33	1.28	-31.66
2. Manufacturing Industries and Construction	2.25	2.16	2.26	43.23
3. Transport	5.90	6.02	5.80	-2.98
4. Other Sectors	18.29	19.56	27.68	-43.93
5. Other	3.43	4.27	3.42	10.86
B. Fugitive Emissions from Fuels	1,254.84	1,408.88	1,453.59	-34.42
1. Solid Fuels	941.08	1,066.46	1,082.64	-39.26
2. Oil and Natural Gas	313.76	342.42	370.95	-14.53
2. Industrial Processes	1.28	1.26	1.33	-40.99
A. Mineral Products	NO	NO	NO	0.00
B. Chemical Industry	1.28	1.26	1.33	-40.99
C. Metal Production	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
D. Other Production				
E. Production of Halocarbons and SF ₆				
F. Consumption of Halocarbons and SF ₆				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use				
4. Agriculture	678.93	692.77	650.46	-40.83
A. Enteric Fermentation	629.57	642.28	603.28	-40.72
B. Manure Management	44.14	44.85	41.60	-43.85
C. Rice Cultivation	5.22	5.64	5.58	-25.00
D. Agricultural Soils	NA, NE	NA, NE	NA, NE	0.00
E. Prescribed Burning of Savannas	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	NA, NO	NA, NO	NA, NO	0.00
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.03	0.09	0.04	135.29
A. Forest Land	0.03	0.09	0.04	135.29
B. Cropland	NO	NO	NO	0.00
C. Grassland	NE, NO	NE, NO	NE, NO	0.00
D. Wetlands	NO	NO	NO	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NE	NE	NE	0.00
6. Waste	160.25	165.01	170.12	51.92
A. Solid Waste Disposal on Land	160.25	165.01	170.12	51.92
B. Waste-water Handling	NA, NO	NA, NO	NA, NO	0.00
C. Waste Incineration	NO	NO	NO	0.00
D. Other	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CH₄ emissions including CH₄ from LULUCF	2,126.42	2,301.35	2,315.96	-33.67
Total CH₄ emissions excluding CH₄ from LULUCF	2,126.38	2,301.26	2,315.92	-33.68
Memo Items:				
International Bunkers	0.00	0.00	0.00	100.00
Aviation	0.00	0.00	0.00	100.00
Marine	NA, NE	NA, NE	NA, NE	0.00
Multilateral Operations	NO	NO	NO	0.00
CO₂ Emissions from Biomass				

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.

Custom Footnotes

Emission trends (N₂O)
(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	2.81	2.52	2.42	2.17	1.85	1.78	1.61	1.43	1.46
A. Fuel Combustion (Sectoral Approach)	2.81	2.52	2.42	2.17	1.85	1.78	1.61	1.43	1.46
1. Energy Industries	1.40	1.38	1.43	1.32	1.13	1.11	0.98	0.87	0.82
2. Manufacturing Industries and Construction	0.21	0.20	0.35	0.28	0.20	0.18	0.16	0.18	0.17
3. Transport	0.11	0.11	0.09	0.06	0.05	0.05	0.04	0.04	0.04
4. Other Sectors	0.68	0.64	0.53	0.49	0.44	0.40	0.39	0.31	0.21
5. Other	0.41	0.19	0.02	0.02	0.03	0.04	0.03	0.04	0.23
B. Fugitive Emissions from Fuels	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
1. Solid Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	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
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
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	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
4. Agriculture	48.58	44.93	47.31	41.05	32.22	25.68	20.04	16.35	14.63
A. Enteric Fermentation									
B. Manure Management	18.32	18.03	17.72	17.48	14.45	12.07	9.25	7.51	7.03
C. Rice Cultivation									
D. Agricultural Soils	30.26	26.90	29.59	23.56	17.77	13.61	10.78	8.84	7.60
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.00
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.00
B. Cropland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
C. Grassland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, 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	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	1.25	1.35	1.44	1.48	1.54	1.39	1.37	1.35	1.12
A. Solid Waste Disposal on Land									
B. Waste-water Handling	1.25	1.35	1.44	1.48	1.54	1.39	1.37	1.35	1.12
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO
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	52.64	48.80	51.17	44.70	35.61	28.86	23.01	19.19	17.21
Total N2O emissions excluding N2O from LULUCF	52.64	48.80	51.17	44.70	35.61	28.85	23.01	19.13	17.21
Memo Items:									
International Bunkers	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Aviation	NE	NE	NE	NE	NE	NE	NE	NE	NE
Marine	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass									

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

Emission trends (N₂O)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	1.15	1.37	1.35	1.48	1.65	1.71	1.85	1.98	2.06	1.88
A. Fuel Combustion (Sectoral Approach)	1.15	1.37	1.35	1.48	1.65	1.71	1.85	1.98	2.06	1.88
1. Energy Industries	0.63	0.72	0.78	0.80	0.89	1.03	1.04	1.10	1.09	1.03
2. Manufacturing Industries and Construction	0.25	0.27	0.29	0.30	0.32	0.30	0.31	0.34	0.37	0.35
3. Transport	0.02	0.04	0.05	0.06	0.06	0.06	0.06	0.08	0.09	0.11
4. Other Sectors	0.10	0.10	0.12	0.14	0.16	0.15	0.13	0.14	0.14	0.16
5. Other	0.15	0.25	0.11	0.18	0.22	0.17	0.30	0.32	0.36	0.22
B. Fugitive Emissions from Fuels	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
1. Solid Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	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
2. Industrial Processes	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
4. Agriculture	15.72	15.86	17.08	18.14	19.30	20.08	21.08	22.42	23.70	23.43
A. Enteric Fermentation										
B. Manure Management	7.17	7.44	7.75	8.26	8.82	9.25	9.61	10.08	10.40	10.68
C. Rice Cultivation										
D. Agricultural Soils	8.55	8.42	9.33	9.88	10.48	10.83	11.47	12.34	13.30	12.74
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.02	0.00
A. Forest Land	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.02	0.00
B. Cropland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
C. Grassland	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
D. Wetlands	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	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
6. Waste	0.99	1.03	1.07	1.21	1.26	1.30	1.40	1.45	1.48	1.50
A. Solid Waste Disposal on Land										
B. Waste-water Handling	0.99	1.03	1.07	1.21	1.26	1.30	1.40	1.45	1.48	1.50
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
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	17.86	18.27	19.51	20.83	22.21	23.10	24.34	25.85	27.26	26.80
Total N2O emissions excluding N2O from LULUCF	17.86	18.27	19.50	20.82	22.20	23.09	24.34	25.84	27.24	26.80
Memo Items:										
International Bunkers	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Aviation	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Marine	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 Emissions from Biomass										

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

Table 1(c)

KAZ_BR1_v2.0

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

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	2.17	2.36	2.17	-22.61
A. Fuel Combustion (Sectoral Approach)	2.17	2.36	2.17	-22.61
1. Energy Industries	1.12	1.21	1.19	-14.97
2. Manufacturing Industries and Construction	0.35	0.33	0.35	69.92
3. Transport	0.11	0.11	0.11	-6.07
4. Other Sectors	0.16	0.16	0.20	-70.34
5. Other	0.44	0.55	0.33	-20.34
B. Fugitive Emissions from Fuels	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
1. Solid Fuels	NA, NO	NA, NO	NA, NO	0.00
2. Oil and Natural Gas	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
2. Industrial Processes	NA, NO	NA, NO	NA, NO	0.00
A. Mineral Products	NO	NO	NO	0.00
B. Chemical Industry	NA, NO	NA, NO	NA, NO	0.00
C. Metal Production	NA	NA	NA	0.00
D. Other Production				
E. Production of Halocarbons and SF ₆				
F. Consumption of Halocarbons and SF ₆				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	0.00
4. Agriculture	24.93	24.99	25.07	-48.39
A. Enteric Fermentation				
B. Manure Management	10.92	11.12	10.50	-42.66
C. Rice Cultivation				
D. Agricultural Soils	14.01	13.87	14.57	-51.85
E. Prescribed Burning of Savannas	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	NA, NO	NA, NO	NA, NO	0.00
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.00	0.00	0.00	135.29
A. Forest Land	0.00	0.00	0.00	135.29
B. Cropland	NE, NO	NE, NO	NE, NO	0.00
C. Grassland	NE, NO	NE, NO	NE, NO	0.00
D. Wetlands	NO	NO	NO	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NE	NE	NE	0.00
6. Waste	1.52	1.56	1.58	25.98
A. Solid Waste Disposal on Land				
B. Waste-water Handling	1.52	1.56	1.58	25.98
C. Waste Incineration	NO	NO	NO	0.00
D. Other	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total N₂O emissions including N₂O from LULUCF	28.62	28.91	28.83	-45.24
Total N₂O emissions excluding N₂O from LULUCF	28.62	28.91	28.83	-45.24
Memo Items:				
International Bunkers	0.02	0.02	0.01	100.00
Aviation	0.02	0.02	0.01	100.00
Marine	NA, NE	NA, NE	NA, NE	0.00
Multilateral Operations	NO	NO	NO	0.00
CO₂ Emissions from Biomass				

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

^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)

KAZ_BR1_v2.0

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

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	<i>Base year^a</i>	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt</i>	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.21	0.40	0.40	42.51
HFC-23	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.03
HFC-152a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
CF ₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₂ F ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO

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

Table 1(d)

KAZ_BR1_v2.0

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

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>	<i>kt</i>
Emissions of HFCsc - (kt CO₂ eq)	17.55	164.19	197.08	159.90	176.80	235.82	237.12	390.13	610.36	606.49
HFC-23	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.03	0.03
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.01	0.13	0.15	0.12	0.14	0.18	0.18	0.30	0.32	0.32
HFC-152a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.03	0.03
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	87.17	567.27
CF ₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.01	0.07
C ₂ F ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.01
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₃ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.45	0.15	0.03	0.02	0.11
SF ₆	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00

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

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

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
Emissions of HFCsc - (kt CO₂ eq)	646.76	837.37	843.56	100.00
HFC-23	NA, NO	NA, NO	NA, NO	0.00
HFC-32	0.01	0.01	0.03	100.00
HFC-41	NA, NO	NA, NO	NA, NO	0.00
HFC-43-10mee	NA, NO	NA, NO	NA, NO	0.00
HFC-125	0.04	0.06	0.06	100.00
HFC-134	NA, NO	NA, NO	NA, NO	0.00
HFC-134a	0.32	0.35	0.38	100.00
HFC-152a	NA, NO	NA, NO	NA, NO	0.00
HFC-143	NA, NO	NA, NO	NA, NO	0.00
HFC-143a	0.03	0.05	0.04	100.00
HFC-227ea	NA, NO	NA, NO	NA, NO	0.00
HFC-236fa	NA, NO	NA, NO	NA, NO	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NA, NO	NA, NO	NA, NO	0.00
Emissions of PFCsc - (kt CO₂ eq)	678.93	1,201.50	1,328.41	100.00
CF ₄	0.09	0.15	0.17	100.00
C ₂ F ₆	0.01	0.02	0.02	100.00
C ₃ F ₈	NA, NO	NA, NO	NA, NO	0.00
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	0.00
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	0.00
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	0.00
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	0.00
Emissions of SF₆(3) - (Gg CO₂ equivalent)	3.31	NA, NO	NA, NO	0.00
SF ₆	0.00	NA, NO	NA, NO	0.00

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

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

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

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

Custom Footnotes

Documentation Box:

Table 2(a)

KAZ_BR1_v2.0

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

<i>Party</i>	<i>Kazakhstan</i>	
Base year /base period	1990	
Emission reduction target	% of base year/base period	% of 1990 ^b
	85.00	
Period for reaching target	BY-2020	

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

^b Optional.

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

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
CO ₂		1990
CH ₄		1990
N ₂ O		1990
HFCs		1995
PFCs		1995
SF ₆		1995
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 prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

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

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

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

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

<i>Gases</i>	<i>GWP values^b</i>
CO ₂	2nd AR
CH ₄	2nd AR
N ₂ O	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 prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

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

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

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

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

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

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

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

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

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

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

ⁱ AAUs issued to or purchased by a Party.

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

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

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

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

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

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

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

Custom Footnotes

Table 3

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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)	
Reduction of GDP energy intensity	Energy, Industry/industrial processes	CH ₄ , CO ₂ , N ₂ O	25 % of energy efficiency reduction compared to 2008 level	Regulatory	Adopted	Strategic Development Plan of Kazakhstan until 2020 defined the tasks, activities and targets to reduce GHG emissions, energy efficiency and development of renewable energy in the strategic plans of the ministries and local authorities.	2008	Ministry of Industry and New Technologies (after August of 2014 - Ministry of Energy and Ministry of Investments and Development), local authorities.		313.70
Development of small hydropower plants, wind energy and the increased use of solar energy, building of nuclear power plant	Energy	CH ₄ , CO ₂ , N ₂ O	With regard to the implementation of measures for the development of alternative energy sources it is expected to increase their share in total energy consumption to more than 3% in 2020, it is also planned to increase the share of renewable energy sources to 1.5% by 2015. The Strategic Development Plan of Kazakhstan until 2020, also provides the implementation of the necessary incentives for the development of wind, solar and geothermal energy.	Regulatory	Planned	Local executive authorities (akimats) of regions and limited liability partnerships are responsible for the implementation of RES (Renewable energy sources) projects. For the purpose of power plants construction the funds of investors will be involved. In addition, the government is going to subsidize the installation of wind farms by farmers. In particular, financial support is established to the individuals who do not have connection to a power supply system – subsidizing of a half of cost of installation with a power up to 5 kWh will be carried out at the expense of budgetary funds.	2013	Before August of 2014 the implementing Agency was the Ministry of Industry and New Technologies, (after - Ministry of Energy and Ministry of Investments and Development), and local authorities		

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

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

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

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

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

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

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

^f Optional year or years deemed relevant by the Party.

Custom Footnotes

Reporting on progress^{a, b}

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

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

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

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

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

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

Custom Footnotes

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

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

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

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

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

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

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

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

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

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

Custom Footnotes

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

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

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

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

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

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

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

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

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

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

Custom Footnotes

Reporting on progress^{a, b, c}

<i>Units of market based mechanisms</i>		<i>Year</i>	
		<i>2011</i>	<i>2012</i>
<i>Kyoto Protocol units^d</i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	
	<i>AAUs</i>	<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	
	<i>ERUs</i>	<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	
	<i>CERs</i>	<i>(number of units)</i>	
	<i>(kt CO₂ eq)</i>		
	<i>tCERs</i>	<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	
	<i>ICERs</i>	<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	
<i>Other units^{d,e}</i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	
	<i>Units from other market-based mechanisms</i>	<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	
<i>Total</i>		<i>(number of units)</i>	
		<i>(kt CO₂ eq)</i>	

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

Note: 2011 is the latest reporting year.

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

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

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

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

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

Custom Footnotes

Table 5

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

<i>Key underlying assumptions</i>		<i>Historical^b</i>						<i>Projected</i>			
<i>Assumption</i>	<i>Unit</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2010</i>	<i>2011</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>Population</i>	<i>thousands</i>	16,297.98	15,675.80	14,865.60	15,219.30	16,442.00	16,559.00	17,310.00	18,311.53	19,312.76	20,314.00
<i>Population growth</i>	<i>%</i>	99.00	98.24	99.76	100.90	101.76	101.42	101.09	101.04	99.00	94.00
<i>GDP growth rate</i>	<i>%</i>	NA	NE	109.80	109.70	107.30	107.50	NE	NE	NE	NE

^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

Population and GDP growth rate are presented in % related to the values of the previous years;

Table 6(a)

KAZ_BR1_v2.0

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

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	299,576.11	299,576.11	180,550.49	144,113.45	190,447.95	244,609.22	231,802.61	229,400.00	268,300.00
Transport	22,490.91	22,490.91	8,963.98	9,141.29	13,168.26	19,809.93	19,910.39	17,660.00	20,300.00
Industry/industrial processes	17,816.83	17,816.83	8,144.59	10,226.43	13,258.11	15,108.77	17,159.66	21,000.00	27,700.00
Agriculture	38,144.51	38,144.51	23,121.10	14,529.43	19,091.84	22,295.96	21,432.69	28,500.00	35,500.00
Forestry/LULUCF	-2,166.55	-2,166.55	-7,291.30	-10,117.98	-2,857.98	-2,890.50	-3,098.61	-3,229.70	-3,178.70
Waste management/waste	2,740.21	2,740.21	3,106.93	3,094.62	3,472.95	3,953.68	4,065.56	5,172.20	6,408.40
Other (specify)									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	266,563.18	266,563.18	154,147.64	122,982.81	177,877.04	223,747.28	211,622.79	244,570.30	289,121.30
CO ₂ emissions excluding net CO ₂ from LULUCF	268,730.18	268,730.18	161,474.97	133,106.47	180,740.70	226,640.28	214,717.46	247,800.00	292,300.00
CH ₄ emissions including CH ₄ from LULUCF	73,328.12	73,328.12	44,511.19	33,035.06	37,753.05	48,328.40	48,635.19	36,900.00	31,700.00
CH ₄ emissions excluding CH ₄ from LULUCF	73,327.77	73,327.77	44,504.22	33,030.67	37,748.66	48,326.48	48,634.38	53,700.00	68,100.00
N ₂ O emissions including N ₂ O from LULUCF	16,319.82	16,319.82	8,945.78	5,663.89	7,545.53	8,962.57	8,936.86	5.34	0.50
N ₂ O emissions excluding N ₂ O from LULUCF	16,319.71	16,319.71	8,943.72	5,662.60	7,544.23	8,962.00	8,936.71	12.20	15.50
HFCs	NE	NE	0.21	164.19	237.12	837.37	843.56	1.50	2.70
PFCs	NE	NE	NE	NE	NE	1,201.50	1,328.41	1.30	1.30
SF ₆	NE	NE	NE	NE	0.15	NE	NE	NE	NE
Other (specify)									
Total with LULUCF^f	356,211.12	356,211.12	207,604.82	161,845.95	223,412.89	283,077.12	271,366.81	281,478.44	320,825.80
Total without LULUCF	358,377.66	358,377.66	214,923.12	171,963.93	226,270.86	285,967.63	274,460.52	301,515.00	360,419.50

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

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

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

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

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

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

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

Custom Footnotes

Table 7

KAZ_BR1_v2.0

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

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

Abbreviation: USD = United States dollars.

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

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

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

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

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

^f Please specify.

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

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

Custom Footnotes

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

Documentation Box:

Table 7

KAZ_BR1_v2.0

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

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

Abbreviation: USD = United States dollars.

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

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

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

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

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

^f Please specify.

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

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

Custom Footnotes

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

Documentation Box:

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

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

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

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

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

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

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

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

^f Please specify.

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

Custom Footnotes

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

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						
	Kazakhstani tenge - KZT	USD	Kazakhstani tenge - KZT	USD					
Total contributions through multilateral channels									
Multilateral climate change funds ^g									
1. Global Environment Facility									
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks									
1. World Bank									
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank									
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies									
1. United Nations Development Programme									
2. United Nations Environment Programme									
3. Other									

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

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

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

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

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

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

^f Please specify.

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

Custom Footnotes

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							
	Kazakhstani tenge - KZT	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)

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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							
	Kazakhstani tenge - KZT	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

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

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

^a To be reported to the extent possible.

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

^c Parties may report sectoral disaggregation, as appropriate.

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

Custom Footnotes

Provision of capacity-building support^a

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

^a To be reported to the extent possible.

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

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

Custom Footnotes