BR CTF submission workbook

Submission Year	2016	Party	AUSTRIA
Submission Version	v1.0	Submission Level	Submitted
Submission Key	AUT_2016_V1.0	Submission Status	Closed
Submitted By	Martin Kriech	Workbook Created	29.12.2015 10:20:33
Submitted Date	29.12.2015 10:19:16		

Contents

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

GREENHOUSE GAS EMISSIONS	Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt CO_2 eq								
CO_2 emissions without net CO_2 from LULUCF	62,216.94	62,216.94	65,803.11	60,311.47	60,699.97	61,099.47	64,147.44	67,590.96	67,396.05
CO_2 emissions with net CO_2 from LULUCF	49,159.82	49,159.82	48,103.93	47,575.22	47,614.23	48,098.94	50,014.19	56,014.10	47,454.18
CH_4 emissions without CH_4 from LULUCF	10,613.92	10,613.92	10,416.36	10,070.59	9,971.86	9,586.15	9,470.88	9,192.48	8,817.38
CH_4 emissions with CH_4 from LULUCF	10,614.38	10,614.38	10,416.49	10,070.89	9,972.12	9,586.28	9,470.96	9,192.55	8,817.42
N_2O emissions without N_2O from LULUCF	4,196.58	4,196.58	4,365.37	4,067.51	3,989.24	4,186.47	4,290.19	4,177.50	4,190.19
N_2O emissions with N_2O from LULUCF	4,211.60	4,211.60	4,380.15	4,082.40	4,004.11	4,201.19	4,304.77	4,191.99	4,204.57
HFCs	2.44	2.44	3.89	5.64	235.26	261.11	357.93	420.79	500.83
PFCs	1,182.79	1,182.79	1,192.62	510.47	63.52	70.96	83.35	80.25	117.47
Unspecified mix of HFCs and PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF_6	470.61	470.61	614.14	656.27	744.00	926.17	1,100.11	1,176.90	1,086.40
NF3	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.76	6.44	7.93	15.53
Total (without LULUCF)	78,683.26	78,683.26	82,395.48	75,621.95	75,703.86	76,131.09	79,456.34	82,646.81	82,123.83
Total (with LULUCF)	65,641.64	65,641.64	64,711.21	62,900.90	62,633.24	63,145.41	65,337.75	71,084.50	62,196.40
Total (without LULUCF, with indirect)	78,683.26	78,683.26	82,395.48	75,621.95	75,703.86	76,131.09	79,456.34	82,646.81	82,123.83
Total (with LULUCF, with indirect)	65,641.64	65,641.64	64,711.21	62,900.90	62,633.24	63,145.41	65,337.75	71,084.50	62,196.40

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt CO_2 eq								
1. Energy	52,905.60	52,905.60	56,592.38	52,016.40	52,308.77	51,956.95	54,438.96	58,636.27	57,153.50
2. Industrial processes and product use	13,593.29	13,593.29	13,606.30	11,943.78	11,924.43	12,660.38	13,566.02	12,995.11	14,173.57
3. Agriculture	7,958.66	7,958.66	7,986.76	7,570.58	7,431.90	7,677.47	7,815.04	7,569.41	7,515.69
4. Land Use, Land-Use Change and Forestry[b]	-13,041.62	-13,041.62	-17,684.27	-12,721.05	-13,070.62	-12,985.68	-14,118.59	-11,562.31	-19,927.43
5. Waste	4,225.72	4,225.72	4,210.05	4,091.19	4,038.75	3,836.29	3,636.31	3,446.02	3,281.07
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	65,641.64	65,641.64	64,711.21	62,900.90	62,633.24	63,145.41	65,337.75	71,084.50	62,196.40

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."

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

GREENHOUSE GAS EMISSIONS	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
CO_2 emissions without net CO_2 from LULUCF	66,976.00	65,580.31	66,229.10	70,266.40	72,122.22	78,037.22	78,417.79	79,596.32	76,968.46	74,270.64
CO_2 emissions with net CO_2 from LULUCF	48,914.80	45,398.85	49,327.14	50,642.38	57,347.75	72,690.93	68,729.68	68,440.42	71,147.42	68,312.44
CH_4 emissions without CH_4 from LULUCF	8,648.72	8,464.97	8,296.30	8,135.75	8,019.09	8,007.41	7,792.37	7,573.98	7,438.29	7,306.17
CH_4 emissions with CH_4 from LULUCF	8,648.94	8,464.99	8,296.39	8,135.80	8,019.54	8,007.84	7,792.41	7,574.06	7,438.46	7,306.25
N_2O emissions without N_2O from LULUCF	4,245.64	4,235.58	4,212.50	4,085.78	4,085.40	4,084.88	3,486.73	3,499.91	3,495.43	3,503.65
N_2O emissions with N_2O from LULUCF	4,260.07	4,249.84	4,226.78	4,100.01	4,099.86	4,099.34	3,500.67	3,513.91	3,510.30	3,519.89
HFCs	610.34	701.82	713.63	863.10	968.78	1,072.19	1,158.34	1,145.76	1,152.47	1,195.89
PFCs	55.53	79.18	87.32	116.34	101.97	126.38	157.57	157.79	172.39	230.33
Unspecified mix of HFCs and PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF_6	869.88	676.37	574.53	629.33	613.30	549.44	484.01	493.63	453.46	367.01
NF3	9.43	8.24	10.51	10.51	10.51	21.56	26.54	28.16	32.73	59.39
Total (without LULUCF)	81,415.54	79,746.47	80,123.87	84,107.21	85,921.27	91,899.08	91,523.36	92,495.55	89,713.22	86,933.08
Total (with LULUCF)	63,368.99	59,579.30	63,236.29	64,497.47	71,161.71	86,567.68	81,849.22	81,353.72	83,907.23	80,991.21
Total (without LULUCF, with indirect)	81,415.54	79,746.47	80,123.87	84,107.21	85,921.27	91,899.08	91,523.36	92,495.55	89,713.22	86,933.08
Total (with LULUCF, with indirect)	63,368.99	59,579.30	63,236.29	64,497.47	71,161.71	86,567.68	81,849.22	81,353.72	83,907.23	80,991.21

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	56,964.59	55,755.44	55,304.34	59,541.95	60,776.80	66,696.18	66,970.25	67,374.28	64,029.04	60,719.67
2. Industrial processes and product use	13,806.92	13,578.94	14,606.28	14,500.79	15,172.30	15,313.64	14,843.67	15,611.38	16,301.22	16,930.67
3. Agriculture	7,483.06	7,378.58	7,291.53	7,230.99	7,118.54	6,980.19	6,943.14	6,878.05	6,854.82	6,889.08
4. Land Use, Land-Use Change and Forestry[b]	-18,046.55	-20,167.17	-16,887.58	-19,609.74	-14,759.56	-5,331.40	-9,674.14	-11,141.83	-5,805.99	-5,941.87
5. Waste	3,160.97	3,033.51	2,921.72	2,833.47	2,853.63	2,909.06	2,766.30	2,631.84	2,528.15	2,393.65
6. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total (including LULUCF)	63,368.99	59,579.30	63,236.29	64,497.47	71,161.71	86,567.68	81,849.22	81,353.72	83,907.23	80,991.21

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

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

GREENHOUSE GAS EMISSIONS	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							(%)
CO_2 emissions without net CO_2 from LULUCF	74,039.95	67,849.61	72,690.78	70,581.60	67,843.27	67,767.98	8.92
CO_2 emissions with net CO_2 from LULUCF	69,274.72	63,142.99	66,505.72	64,123.55	61,807.92	62,769.68	27.68
CH_4 emissions without CH_4 from LULUCF	7,162.10	7,046.97	6,946.86	6,744.74	6,634.36	6,530.26	-38.47
CH_4 emissions with CH_4 from LULUCF	7,162.21	7,047.10	6,946.97	6,744.84	6,634.49	6,530.47	-38.48
N_2O emissions without N_2O from LULUCF	3,670.97	3,446.60	3,250.66	3,315.17	3,288.92	3,263.51	-22.23
N_2O emissions with N_2O from LULUCF	3,688.71	3,464.65	3,268.87	3,333.66	3,308.08	3,283.44	-22.04
HFCs	1,248.53	1,306.85	1,481.67	1,556.11	1,655.28	1,674.27	68,586.11
PFCs	208.19	36.02	78.05	73.51	50.72	49.23	-95.84
Unspecified mix of HFCs and PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	
SF_6	373.43	341.68	335.87	307.35	311.88	304.19	-35.36
NF3	53.47	4.54	4.12	4.10	8.56	9.75	
Total (without LULUCF)	86,756.64	80,032.27	84,788.00	82,582.58	79,792.99	79,599.18	1.16
Total (with LULUCF)	82,009.28	75,343.83	78,621.27	76,143.12	73,776.93	74,621.03	13.68
Total (without LULUCF, with indirect)	86,756.64	80,032.27	84,788.00	82,582.58	79,792.99	79,599.18	1.16
Total (with LULUCF, with indirect)	82,009.28	75,343.83	78,621.27	76,143.12	73,776.93	74,621.03	13.68

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							(%)
1. Energy	60,235.01	57,081.56	60,072.49	57,742.38	55,471.50	55,094.58	4.14
2. Industrial processes and product use	17,265.23	13,834.46	15,869.68	16,066.37	15,710.35	16,013.29	17.80
3. Agriculture	6,980.11	7,001.75	6,852.37	6,889.50	6,826.28	6,806.92	-14.47
4. Land Use, Land-Use Change and Forestry[b]	-4,747.36	-4,688.44	-6,166.72	-6,439.46	-6,016.06	-4,978.16	-61.83
5. Waste	2,276.29	2,114.50	1,993.45	1,884.33	1,784.87	1,684.39	-60.14
6. Other	NO	NO	NO	NO	NO	NO	
Total (including LULUCF)	82,009.28	75,343.83	78,621.27	76,143.12	73,776.93	74,621.03	13.68

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) AUT_BR2_v1.0

Emission trends (CO_2)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
1. Energy	51,293.49	51,293.49	55,036.44	50,494.53	50,814.25	50,641.54	53,100.57	57,269.41	55,918.12
A. Fuel combustion (sectoral approach)	51,191.40	51,191.40	54,925.35	50,374.40	50,702.12	50,513.90	52,973.42	57,198.26	55,797.49
1. Energy industries	13,792.26	13,792.26	14,621.06	11,315.29	11,466.21	11,761.53	12,918.31	13,804.84	13,874.80
2. Manufacturing industries and construction	9,802.93	9,802.93	10,143.72	9,370.48	9,583.94	10,330.82	10,222.53	10,843.24	11,838.20
3. Transport	13,776.66	13,776.66	15,240.29	15,215.61	15,351.59	15,402.21	15,685.53	17,246.95	16,270.48
4. Other sectors	13,784.54	13,784.54	14,883.19	14,439.35	14,260.98	12,977.78	14,114.51	15,264.35	13,776.92
5. Other	35.00	35.00	37.09	33.67	39.41	41.56	32.55	38.89	37.08
B. Fugitive emissions from fuels	102.09	102.09	111.09	120.13	112.13	127.64	127.15	71.15	120.63
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
2. Oil and natural gas and other emissions from energy production	102.09	102.09	111.09	120.13	112.13	127.64	127.15	71.15	120.63
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial processes	10,802.13	10,802.13	10,645.89	9,708.74	9,778.52	10,349.34	10,936.09	10,210.51	11,365.56
A. Mineral industry	3,092.34	3,092.34	2,949.98	2,990.36	2,925.39	3,026.59	2,657.26	2,593.96	2,765.35
B. Chemical industry	643.49	643.49	664.77	632.02	672.97	631.05	669.46	676.90	669.36
C. Metal industry	6,787.00	6,787.00	6,797.65	5,901.21	5,994.18	6,520.94	7,419.42	6,766.48	7,738.98
D. Non-energy products from fuels and solvent use	279.30	279.30	233.48	185.15	185.98	170.76	189.95	173.16	191.87
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	NO
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Agriculture	94.42	94.42	97.38	97.34	96.60	97.94	99.80	99.75	100.76
A. Enteric fermentation									
B. Manure management									
C. Rice cultivation									
D. Agricultural soils									
E. Prescribed burning of savannas									
F. Field burning of agricultural residues									
G. Liming	89.97	89.97	91.15	91.17	90.81	91.35	91.85	92.05	92.08
H. Urea application	4.45	4.45	6.23	6.17	5.79	6.60	7.95	7.70	8.67
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	NO	NO	NO
J. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
4. Land Use, Land-Use Change and Forestry	-13,057.11	-13,057.11	-17,699.18	-12,736.25	-13,085.74	-13,000.53	-14,133.25	-11,576.86	-19,941.87
A. Forest land	-10,930.15	-10,930.15	-16,659.55	-11,896.23	-12,368.63	-11,303.94	-12,284.21	-9,264.67	-18,015.72
B. Cropland	-68.89	-68.89	-68.47	-62.33	-55.22	-40.49	-18.24	2.21	23.49
C. Grassland	324.19	324.19	318.89	313.84	308.97	309.03	141.97	143.64	145.32
D. Wetlands	42.08	42.08	42.03	41.98	41.93	41.93	35.81	35.81	35.81
E. Settlements	384.64	384.64	387.97	391.29	394.68	392.33	337.23	332.52	327.81
F. Other land	443.95	443.95	453.54	463.10	472.80	473.02	375.30	371.50	367.69
G. Harvested wood products	-3,252.93	-3,252.93	-2,173.59	-1,987.90	-1,880.27	-2,872.42	-2,721.12	-3,197.88	-2,826.27
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	26.89	26.89	23.40	10.86	10.60	10.65	10.97	11.30	11.62
A. Solid waste disposal	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
B. Biological treatment of solid waste									
C. Incineration and open burning of waste	26.89	26.89	23.40	10.86	10.60	10.65	10.97	11.30	11.62
D. Waste water treatment and discharge									
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo items:									
International bunkers	935.45	935.45	1,036.93	1,119.30	1,182.99	1,240.34	1,388.98	1,529.50	1,587.09
Aviation	885.97	885.97	993.88	1,077.44	1,139.98	1,185.65	1,327.42	1,466.42	1,525.57
Navigation	49.48	49.48	43.05	41.86	43.00	54.69	61.55	63.08	61.52
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass	9,927.77	9,927.77	10,814.86	10,576.17	11,145.84	10,753.83	11,454.01	12,189.91	11,755.98
CO2 captured	NO	NO	NO	NO	NO	NO	NO	NO	NO
Long-term storage of C in waste disposal sites	24,898.20	24,898.20	25,577.99	26,185.95	26,781.50	27,238.68	27,662.58	28,090.23	28,497.40
Indirect N2O									
Indirect CO2 (3)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
Total CO2 equivalent emissions without land use, land-use change and forestry	78,683.26	78,683.26	82,395.48	75,621.95	75,703.86	76,131.09	79,456.34	82,646.81	82,123.83
Total CO2 equivalent emissions with land use, land-use change and forestry	65,641.64	65,641.64	64,711.21	62,900.90	62,633.24	63,145.41	65,337.75	71,084.50	62,196.40
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	62,216.94	62,216.94	65,803.11	60,311.47	60,699.97	61,099.47	64,147.44	67,590.96	67,396.05
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	49,159.82	49,159.82	48,103.93	47,575.22	47,614.23	48,098.94	50,014.19	56,014.10	47,454.18

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

Table 1 (a) AUT_BR2_v1.0

Emission trends (CO_2)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	55,722.46	54,499.45	54,070.98	58,279.14	59,547.75	65,455.74	65,770.44	66,161.70	62,839.01	59,538.69
A. Fuel combustion (sectoral approach)	55,580.51	54,328.80	53,906.33	58,096.29	59,380.59	65,222.58	65,560.28	65,956.54	62,606.85	59,301.53
1. Energy industries	13,002.48	12,526.21	12,220.72	13,824.01	13,478.30	16,292.35	16,326.69	16,279.65	15,152.48	13,875.08
2. Manufacturing industries and construction	10,436.19	9,649.17	9,905.94	9,871.34	10,334.27	10,776.25	11,050.63	11,701.12	11,288.37	10,912.29
3. Transport	18,371.70	17,845.78	18,645.01	20,134.49	22,036.92	23,885.96	24,404.20	24,751.98	23,449.88	23,603.99
4. Other sectors	13,727.75	14,266.07	13,093.85	14,225.08	13,489.19	14,225.56	13,735.73	13,180.22	12,672.05	10,865.54
5. Other	42.39	41.57	40.80	41.36	41.91	42.47	43.03	43.57	44.06	44.63
B. Fugitive emissions from fuels	141.95	170.65	164.65	182.86	167.16	233.16	210.16	205.16	232.16	237.16
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
2. Oil and natural gas and other emissions from energy production	141.95	170.65	164.65	182.86	167.16	233.16	210.16	205.16	232.16	237.16
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial processes	11,140.39	10,967.31	12,047.14	11,879.10	12,465.86	12,470.50	12,534.06	13,319.40	14,015.04	14,616.86
A. Mineral industry	2,602.27	2,606.31	2,733.10	2,758.58	2,842.57	2,829.27	2,915.54	2,888.71	3,053.22	3,265.57
B. Chemical industry	662.56	668.88	674.08	628.60	637.37	674.91	667.99	643.58	666.25	601.64
C. Metal industry	7,701.73	7,532.36	8,447.33	8,287.82	8,767.78	8,745.05	8,761.68	9,573.77	10,042.69	10,515.85
D. Non-energy products from fuels and solvent use	173.82	159.76	192.62	204.10	218.14	221.26	188.85	212.99	250.73	228.07
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	0.36	2.14	5.72
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Agriculture	101.20	101.28	98.72	95.90	96.35	98.72	101.03	102.95	104.26	106.97
A. Enteric fermentation										
B. Manure management										
C. Rice cultivation										
D. Agricultural soils										
E. Prescribed burning of savannas										
F. Field burning of agricultural residues										
G. Liming	91.08	90.87	90.35	90.26	90.22	90.09	90.19	91.19	89.34	89.05
H. Urea application	10.12	10.41	8.37	5.64	6.13	8.62	10.84	11.76	14.91	17.92
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
J. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4. Land Use, Land-Use Change and Forestry	-18,061.19	-20,181.45	-16,901.96	-19,624.03	-14,774.47	-5,346.29	-9,688.12	-11,155.90	-5,821.03	-5,958.21
A. Forest land	-16,200.34	-19,118.03	-16,028.16	-17,979.68	-12,285.22	-2,292.35	-7,373.33	-8,824.84	-3,010.15	-1,982.18
B. Cropland	47.36	57.61	64.09	77.50	102.44	102.78	96.32	89.92	96.62	108.29
C. Grassland	147.11	146.90	146.59	146.23	354.06	351.92	351.80	353.32	353.54	356.50
D. Wetlands	35.81	35.80	35.80	35.80	47.28	47.27	47.30	37.17	39.32	51.30
E. Settlements	323.10	321.22	319.34	317.41	400.78	404.55	401.43	398.31	375.87	409.79
F. Other land	363.90	364.79	365.68	366.57	334.48	335.43	327.27	319.10	310.99	302.88
G. Harvested wood products	-2,778.12	-1,989.75	-1,805.30	-2,587.85	-3,728.28	-4,295.88	-3,538.91	-3,528.89	-3,987.22	-5,204.80
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	11.94	12.26	12.26	12.26	12.26	12.26	12.26	12.26	10.15	8.12
A. Solid waste disposal	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
B. Biological treatment of solid waste										
C. Incineration and open burning of waste	11.94	12.26	12.26	12.26	12.26	12.26	12.26	12.26	10.15	8.12
D. Waste water treatment and discharge										
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Memo items:										
International bunkers	1,645.40	1,608.08	1,767.97	1,727.79	1,626.91	1,521.59	1,806.86	2,040.20	2,119.21	2,251.24
Aviation	1,578.21	1,541.67	1,695.58	1,651.28	1,540.85	1,452.97	1,724.93	1,959.83	2,048.88	2,175.79
Navigation	67.18	66.41	72.39	76.51	86.06	68.62	81.93	80.37	70.33	75.44
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass	11,548.23	13,213.80	12,477.53	13,552.81	12,508.81	12,985.42	13,152.82	16,071.30	17,397.06	19,119.97
CO2 captured	NO	NO, NA	NO, NA	NO	NO	NO	NO	NO	NO	NO
Long-term storage of C in waste disposal sites	28,908.30	29,317.94	29,733.28	30,151.63	30,612.21	31,145.95	31,300.52	31,460.69	31,637.01	31,797.99
Indirect N2O										
Indirect CO2 (3)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
Total CO2 equivalent emissions without land use, land-use change and forestry	81,415.54	79,746.47	80,123.87	84,107.21	85,921.27	91,899.08	91,523.36	92,495.55	89,713.22	86,933.08
Total CO2 equivalent emissions with land use, land-use change and forestry	63,368.99	59,579.30	63,236.29	64,497.47	71,161.71	86,567.68	81,849.22	81,353.72	83,907.23	80,991.21
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	66,976.00	65,580.31	66,229.10	70,266.40	72,122.22	78,037.22	78,417.79	79,596.32	76,968.46	74,270.64
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	48,914.80	45,398.85	49,327.14	50,642.38	57,347.75	72,690.93	68,729.68	68,440.42	71,147.42	68,312.44

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

Table 1(a) AUT_BR2_v1.0

Emission trends (CO_2)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
1. Energy	59,058.43	55,935.61	58,863.65	56,582.74	54,281.99	53,916.90	5.11
A. Fuel combustion (sectoral approach)	58,846.27	55,670.45	58,626.48	56,349.56	54,044.81	53,665.72	4.83
1. Energy industries	13,666.09	12,634.29	14,023.93	13,750.91	12,403.69	11,205.32	-18.76
2. Manufacturing industries and construction	11,274.50	10,883.61	11,368.33	11,353.36	11,053.49	11,001.75	12.23
3. Transport	22,331.97	21,525.13	22,193.73	21,511.29	21,399.45	22,603.38	64.07
4. Other sectors	11,528.52	10,581.69	10,994.21	9,687.16	9,140.78	8,807.30	-36.11
5. Other	45.19	45.72	46.28	46.84	47.40	47.97	37.04
B. Fugitive emissions from fuels	212.16	265.17	237.17	233.18	237.18	251.18	146.03
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
2. Oil and natural gas and other emissions from energy production	212.16	265.17	237.17	233.18	237.18	251.18	146.03
C. CO2 transport and storage	NO	NO	NO	NO	NO	NO	
2. Industrial processes	14,870.84	11,800.28	13,717.90	13,891.62	13,451.23	13,741.18	27.21
A. Mineral industry	3,275.96	2,714.80	2,660.56	2,779.23	2,703.42	2,719.55	-12.06
B. Chemical industry	651.77	587.95	676.85	692.78	662.06	599.18	-6.89
C. Metal industry	10,723.68	8,333.20	10,188.64	10,230.28	9,878.87	10,222.68	50.62
D. Non-energy products from fuels and solvent use	210.69	153.46	176.89	173.21	189.00	176.44	-36.83
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	8.75	10.86	14.96	16.13	17.87	23.33	
H. Other	NA	NA	NA	NA	NA	NA	
3. Agriculture	104.58	109.66	107.20	105.20	108.02	107.86	14.24
A. Enteric fermentation							
B. Manure management							
C. Rice cultivation							
D. Agricultural soils							
E. Prescribed burning of savannas							
F. Field burning of agricultural residues							
G. Liming	88.03	87.69	87.63	86.84	86.33	86.36	-4.02
H. Urea application	16.55	21.97	19.56	18.36	21.69	21.51	383.16
I. Other carbon-containing fertilizers	NO	NO	NO	NO	NO	NO	
J. Other	NA	NA	NA	NA	NA	NA	
4. Land Use, Land-Use Change and Forestry	-4,765.22	-4,706.62	-6,185.06	-6,458.05	-6,035.35	-4,998.30	-61.72
A. Forest land	-1,087.76	-4,524.47	-4,490.03	-4,455.60	-4,421.17	-4,386.55	-59.87
B. Cropland	141.73	127.31	113.39	111.08	118.41	129.88	-288.51
C. Grassland	347.65	48.75	46.25	48.79	44.51	50.14	-84.53
D. Wetlands	48.93	68.78	73.40	69.77	74.84	78.04	85.44
E. Settlements	442.77	281.85	261.05	269.34	135.32	215.15	-44.07
F. Other land	294.77	211.02	203.38	195.73	188.08	180.55	-59.33
G. Harvested wood products	-4,953.32	-919.86	-2,392.49	-2,697.15	-2,175.35	-1,265.50	-61.10
H. Other	NO	NO	NO	NO	NO	NO	
5. Waste	6.09	4.06	2.03	2.03	2.03	2.03	-92.45
A. Solid waste disposal	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
B. Biological treatment of solid waste							
C. Incineration and open burning of waste	6.09	4.06	2.03	2.03	2.03	2.03	-92.45
D. Waste water treatment and discharge							
E. Other	NO	NO	NO	NO	NO	NO	
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	
Memo items:							
International bunkers	2,251.64	1,952.94	2,120.08	2,230.68	2,136.52	2,045.69	118.68
Aviation	2,181.97	1,893.40	2,049.55	2,168.44	2,072.66	1,975.44	122.97
Navigation	69.67	59.54	70.53	62.24	63.86	70.24	41.96
Multilateral operations	NO	NO	NO	NO	NO	NO	
CO2 emissions from biomass	20,509.53	21,100.98	23,695.55	22,992.46	24,922.37	24,412.99	145.91
CO2 captured	NO	NO	NO	NO	NO	NO	
Long-term storage of C in waste disposal sites	31,913.87	31,981.12	32,045.58	32,117.50	32,161.10	32,209.18	29.36
Indirect N2O							
Indirect CO2 (3)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
Total CO2 equivalent emissions without land use, land-use change and forestry	86,756.64	80,032.27	84,788.00	82,582.58	79,792.99	79,599.18	1.16
Total CO2 equivalent emissions with land use, land-use change and forestry	82,009.28	75,343.83	78,621.27	76,143.12	73,776.93	74,621.03	13.68
Total CO2 equivalent emissions, including indirect CO2, without land use, land-use change and forestry	74,039.95	67,849.61	72,690.78	70,581.60	67,843.27	67,767.98	8.92
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	69,274.72	63,142.99	66,505.72	64,123.55	61,807.92	62,769.68	27.68

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) AUT_BR2_v1.0

Emission trends (CH_4)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
1. Energy	45.58	45.58	41.51	40.76	39.25	32.37	32.67	32.90	28.25
A. Fuel combustion (sectoral approach)	21.60	21.60	23.19	21.08	20.52	18.67	19.20	20.08	15.63
1. Energy industries	0.24	0.24	0.26	0.22	0.23	0.22	0.23	0.25	0.26
2. Manufacturing industries and construction	0.33	0.33	0.37	0.37	0.36	0.38	0.39	0.42	0.43
3. Transport	2.59	2.59	2.61	2.32	2.09	1.92	1.77	1.59	1.43
4. Other sectors	18.44	18.44	19.95	18.16	17.84	16.15	16.81	17.82	13.50
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	23.99	23.99	18.32	19.67	18.73	13.70	13.47	12.82	12.62
1. Solid fuels	13.33	13.33	7.25	7.69	6.57	2.26	1.47	0.97	0.98
2. Oil and natural gas and other emissions from energy production	10.66	10.66	11.07	11.98	12.15	11.45	12.00	11.85	11.64
C. CO2 transport and storage									
2. Industrial processes	1.40	1.40	1.40	1.36	1.40	1.41	1.38	1.39	1.40
A. Mineral industry									
B. Chemical industry	1.40	1.40	1.40	1.36	1.40	1.41	1.38	1.39	1.40
C. Metal industry	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NA	NA	NA	NA	NA	NA	NA	NA	NA
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Agriculture	214.38	214.38	211.13	202.57	202.50	202.49	205.92	202.47	198.84
A. Enteric fermentation	192.82	192.82	189.97	182.01	181.89	182.12	185.53	182.53	179.27
B. Manure management	21.50	21.50	21.11	20.50	20.55	20.32	20.33	19.89	19.52
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.06	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05
G. Liming									
H. Urea application									
I. Other carbon-containing fertilizers									
J. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
4. Land use, land-use change and forestry	0.02	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.00
A. Forest land	0.02	0.02	0.00	0.01	0.01	0.01	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	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products									
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	163.20	163.20	162.62	158.13	155.73	147.17	138.86	130.94	124.20
A. Solid waste disposal	157.82	157.82	157.23	152.77	150.35	141.80	133.61	125.98	119.60
B. Biological treatment of solid waste	0.52	0.52	0.55	0.65	0.82	0.98	1.04	1.09	1.08
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	4.85	4.85	4.84	4.70	4.56	4.39	4.21	3.87	3.53
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CH4 emissions without CH4 from LULUCF	424.56	424.56	416.65	402.82	398.87	383.45	378.84	367.70	352.70
Total CH4 emissions with CH4 from LULUCF	424.58	424.58	416.66	402.84	398.88	383.45	378.84	367.70	352.70
Memo items:									
International bunkers	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Aviation	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Navigation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass									
CO2 captured									
Long-term storage of C in waste disposal sites									
Indirect N2O									
Indirect CO2 (3)									

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

Table 1(b) AUT_BR2_v1.0

Emission trends (CH_4)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	27.98	28.29	27.69	27.88	26.73	26.47	24.69	23.96	23.22	22.74
A. Fuel combustion (sectoral approach)	15.12	15.27	14.42	14.61	13.47	13.22	12.66	12.88	11.82	11.27
1. Energy industries	0.25	0.24	0.23	0.26	0.27	0.31	0.34	0.33	0.38	0.39
2. Manufacturing industries and construction	0.42	0.42	0.44	0.46	0.46	0.49	0.52	0.51	0.53	0.54
3. Transport	1.42	1.25	1.15	1.11	1.11	1.08	1.00	0.93	0.83	0.75
4. Other sectors	13.03	13.36	12.60	12.79	11.63	11.35	10.80	11.11	10.08	9.58
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	12.86	13.02	13.27	13.27	13.26	13.25	12.03	11.08	11.40	11.48
1. Solid fuels	0.99	0.99	1.09	1.05	1.23	1.00	0.21	0.01	0.01	NO, NA
2. Oil and natural gas and other emissions from energy production	11.87	12.03	12.18	12.22	12.03	12.25	11.82	11.08	11.40	11.48
C. CO2 transport and storage										
2. Industrial processes	1.43	1.39	1.40	1.37	1.40	1.39	1.40	1.45	1.92	1.90
A. Mineral industry										
B. Chemical industry	1.43	1.39	1.40	1.37	1.40	1.39	1.40	1.45	1.92	1.90
C. Metal industry	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Agriculture	197.37	195.13	193.80	191.26	187.23	185.13	184.81	182.57	181.84	182.53
A. Enteric fermentation	177.92	176.43	175.47	173.08	169.58	167.86	167.85	165.74	165.19	165.81
B. Manure management	19.40	18.64	18.28	18.12	17.60	17.22	16.89	16.79	16.61	16.68
C. Rice cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural soils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.04	0.04
G. Liming										
H. Urea application										
I. Other carbon-containing fertilizers										
J. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4. Land use, land-use change and forestry	0.01	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.01	0.00
A. Forest land	0.01	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.01	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	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products										
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	119.16	113.79	108.97	104.93	105.40	107.30	100.80	94.98	90.55	85.08
A. Solid waste disposal	114.85	109.68	105.05	101.08	101.64	103.62	96.84	91.00	86.63	81.16
B. Biological treatment of solid waste	1.12	1.18	1.24	1.41	1.58	1.74	2.16	2.33	2.44	2.52
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	3.19	2.93	2.68	2.43	2.18	1.95	1.79	1.64	1.48	1.39
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total CH4 emissions without CH4 from LULUCF	345.95	338.60	331.85	325.43	320.76	320.30	311.69	302.96	297.53	292.25
Total CH4 emissions with CH4 from LULUCF	345.96	338.60	331.86	325.43	320.78	320.31	311.70	302.96	297.54	292.25
Memo items:										
International bunkers	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.04	0.04	0.05
Aviation	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
Navigation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass										
CO2 captured										
Long-term storage of C in waste disposal sites										
Indirect N2O										
Indirect CO2 (3)										

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

Table 1(b) AUT_BR2_v1.0

Emission trends (CH_4)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
1. Energy	22.28	21.88	23.22	21.91	22.88	22.40	-50.85
A. Fuel combustion (sectoral approach)	11.47	10.87	11.85	10.65	11.25	11.18	-48.22
1. Energy industries	0.41	0.44	0.48	0.50	0.53	0.50	113.89
2. Manufacturing industries and construction	0.58	0.60	0.59	0.61	0.59	0.56	67.21
3. Transport	0.66	0.60	0.54	0.51	0.47	0.46	-82.41
4. Other sectors	9.82	9.23	10.24	9.03	9.65	9.66	-47.59
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	31.51
B. Fugitive emissions from fuels	10.80	11.01	11.37	11.26	11.63	11.22	-53.22
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
2. Oil and natural gas and other emissions from energy production	10.80	11.01	11.37	11.26	11.63	11.22	5.29
C. CO2 transport and storage							
2. Industrial processes	1.88	1.84	1.87	1.87	1.87	1.96	39.79
A. Mineral industry							
B. Chemical industry	1.88	1.84	1.87	1.87	1.87	1.96	39.79
C. Metal industry	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE	
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	NA	NA	NA	NA	NA	NA	
H. Other	NA	NA	NA	NA	NA	NA	
3. Agriculture	181.87	184.18	183.63	181.19	179.86	180.02	-16.03
A. Enteric fermentation	165.50	167.61	167.14	165.01	163.88	164.13	-14.88
B. Manure management	16.33	16.53	16.45	16.15	15.96	15.87	-26.17
C. Rice cultivation	NO	NO	NO	NO	NO	NO	
D. Agricultural soils	NA	NA	NA	NA	NA	NA	
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	0.04	0.04	0.04	0.03	0.02	0.02	-59.50
G. Liming							
H. Urea application							
I. Other carbon-containing fertilizers							
J. Other	NA	NA	NA	NA	NA	NA	
4. Land use, land-use change and forestry	0.00	0.01	0.00	0.00	0.01	0.01	-54.80
A. Forest land	0.00	0.01	0.00	0.00	0.01	0.01	-54.80
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	
C. Grassland	NO	NO	NO	NO	NO	NO	
D. Wetlands	NO	NO	NO	NO	NO	NO	
E. Settlements	NO	NO	NO	NO	NO	NO	
F. Other land	NO	NO	NO	NO	NO	NO	
G. Harvested wood products							
H. Other	NO	NO	NO	NO	NO	NO	
5. Waste	80.46	73.98	69.16	64.81	60.76	56.82	-65.18
A. Solid waste disposal	76.65	70.24	65.52	61.25	57.19	53.31	-66.22
B. Biological treatment of solid waste	2.51	2.53	2.53	2.52	2.56	2.50	380.98
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	-98.41
D. Waste water treatment and discharge	1.29	1.20	1.10	1.05	1.00	1.01	-79.23
E. Other	NO	NO	NO	NO	NO	NO	
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	
Total CH4 emissions without CH4 from LULUCF	286.48	281.88	277.87	269.79	265.37	261.21	-38.47
Total CH4 emissions with CH4 from LULUCF	286.49	281.88	277.88	269.79	265.38	261.22	-38.48
Memo items:							
International bunkers	0.05	0.04	0.04	0.05	0.05	0.05	171.35
Aviation	0.04	0.04	0.04	0.05	0.04	0.04	199.72
Navigation	0.00	0.00	0.00	0.00	0.00	0.00	3.68
Multilateral operations	NO	NO	NO	NO	NO	NO	
CO2 emissions from biomass							
CO2 captured							
Long-term storage of C in waste disposal sites							
Indirect N2O							
Indirect CO2 (3)							

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

[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) AUT_BR2_v1.0

Emission trends (N_2O)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
1. Energy	1.59	1.59	1.74	1.69	1.72	1.70	1.75	1.83	1.78
A. Fuel combustion (sectoral approach)	1.59	1.59	1.74	1.69	1.72	1.70	1.75	1.83	1.78
1. Energy industries	0.15	0.15	0.17	0.13	0.14	0.14	0.15	0.15	0.15
2. Manufacturing industries and construction	0.24	0.24	0.25	0.25	0.27	0.28	0.28	0.32	0.32
3. Transport	0.44	0.44	0.50	0.51	0.52	0.53	0.53	0.52	0.50
4. Other sectors	0.76	0.76	0.81	0.79	0.79	0.75	0.78	0.83	0.81
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
2. Oil and natural gas and other emissions from energy production	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C. CO2 transport and storage									
2. Industrial processes	3.69	3.69	3.74	3.45	3.58	3.41	3.52	3.57	3.53
A. Mineral industry									
B. Chemical industry	2.94	2.94	2.99	2.70	2.83	2.66	2.77	2.82	2.78
C. Metal industry	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Agriculture	8.41	8.41	8.76	8.08	7.63	8.45	8.62	8.08	8.20
A. Enteric fermentation									
B. Manure management	1.52	1.52	1.53	1.49	1.52	1.52	1.58	1.56	1.55
C. Rice cultivation									
D. Agricultural soils	6.88	6.88	7.23	6.59	6.11	6.92	7.04	6.52	6.65
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G. Liming									
H. Urea application									
I. Other carbon containing fertlizers									
J. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
4. Land use, land-use change and forestry	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
A. Forest land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products									
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	0.40	0.40	0.41	0.43	0.45	0.49	0.52	0.54	0.55
A. Solid waste disposal									
B. Biological treatment of solid waste	0.08	0.08	0.08	0.09	0.12	0.14	0.14	0.15	0.15
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	0.32	0.32	0.33	0.33	0.34	0.35	0.37	0.39	0.40
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total direct N2O emissions without N2O from LULUCF	14.08	14.08	14.65	13.65	13.39	14.05	14.40	14.02	14.06
Total direct N2O emissions with N2O from LULUCF	14.13	14.13	14.70	13.70	13.44	14.10	14.45	14.07	14.11
Memo items:									
International bunkers	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.08	0.08
Aviation	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05
Navigation	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass									
CO2 captured									
Long-term storage of C in waste disposal sites									
Indirect N2O	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
Indirect CO2 (3)									

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

Table 1(c) AUT_BR2_v1.0

Emission trends (N_2O)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	1.82	1.84	1.82	1.90	1.88	1.94	1.95	2.06	2.05	2.06
A. Fuel combustion (sectoral approach)	1.82	1.84	1.82	1.90	1.88	1.94	1.95	2.06	2.05	2.06
1. Energy industries	0.17	0.16	0.16	0.19	0.19	0.22	0.24	0.25	0.28	0.30
2. Manufacturing industries and construction	0.33	0.36	0.38	0.38	0.36	0.38	0.38	0.45	0.45	0.46
3. Transport	0.52	0.49	0.49	0.50	0.53	0.55	0.55	0.55	0.55	0.56
4. Other sectors	0.80	0.82	0.78	0.82	0.79	0.79	0.78	0.81	0.76	0.72
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Fugitive emissions from fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
2. Oil and natural gas and other emissions from energy production	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C. CO2 transport and storage										
2. Industrial processes	3.64	3.73	3.82	3.25	3.28	3.49	1.50	1.44	1.43	1.39
A. Mineral industry										
B. Chemical industry	2.89	2.98	3.07	2.54	2.60	2.85	0.91	0.88	0.90	0.87
C. Metal industry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Electronic industry										
F. Product uses as ODS substitutes										
G. Other product manufacture and use	0.75	0.75	0.75	0.71	0.67	0.64	0.60	0.56	0.53	0.52
H. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Agriculture	8.21	8.05	7.88	7.90	7.86	7.56	7.46	7.42	7.40	7.45
A. Enteric fermentation										
B. Manure management	1.56	1.53	1.52	1.53	1.51	1.50	1.50	1.50	1.50	1.52
C. Rice cultivation										
D. Agricultural soils	6.66	6.52	6.36	6.37	6.35	6.06	5.95	5.92	5.89	5.92
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G. Liming										
H. Urea application										
I. Other carbon containing fertlizers										
J. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4. Land use, land-use change and forestry	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Harvested wood products										
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	0.57	0.59	0.62	0.66	0.69	0.72	0.79	0.82	0.85	0.87
A. Solid waste disposal										
B. Biological treatment of solid waste	0.15	0.16	0.17	0.19	0.22	0.24	0.30	0.32	0.34	0.35
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Waste water treatment and discharge	0.42	0.43	0.45	0.47	0.48	0.48	0.49	0.50	0.51	0.52
E. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total direct N2O emissions without N2O from LULUCF	14.25	14.21	14.14	13.71	13.71	13.71	11.70	11.74	11.73	11.76
Total direct N2O emissions with N2O from LULUCF	14.30	14.26	14.18	13.76	13.76	13.76	11.75	11.79	11.78	11.81
Memo items:										
International bunkers	0.08	0.08	0.08	0.08	0.08	0.07	0.09	0.09	0.09	0.10
Aviation	0.06	0.05	0.06	0.06	0.05	0.05	0.06	0.07	0.07	0.07
Navigation	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass										
CO2 captured										
Long-term storage of C in waste disposal sites										
Indirect N2O	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
Indirect CO2 (3)										

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

Table 1(c) AUT_BR2_v1.0

Emission trends (N_2O)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
1. Energy	2.08	2.01	2.11	2.05	2.07	2.07	30.69
A. Fuel combustion (sectoral approach)	2.08	2.01	2.11	2.05	2.07	2.07	30.69
1. Energy industries	0.33	0.32	0.38	0.38	0.36	0.34	133.09
2. Manufacturing industries and construction	0.47	0.45	0.45	0.45	0.46	0.44	87.12
3. Transport	0.55	0.55	0.58	0.58	0.60	0.65	46.51
4. Other sectors	0.73	0.68	0.70	0.65	0.65	0.64	-15.98
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	13.32
B. Fugitive emissions from fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
1. Solid fuels	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
2. Oil and natural gas and other emissions from energy production	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
C. CO2 transport and storage							
2. Industrial processes	1.56	1.00	0.69	0.63	0.62	0.62	-83.13
A. Mineral industry							
B. Chemical industry	1.05	0.53	0.20	0.15	0.17	0.16	-94.51
C. Metal industry	NA	NA	NA	NA	NA	NA	
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	
E. Electronic industry							
F. Product uses as ODS substitutes							
G. Other product manufacture and use	0.51	0.47	0.48	0.47	0.45	0.46	-38.48
H. Other	NA	NA	NA	NA	NA	NA	
3. Agriculture	7.81	7.68	7.23	7.57	7.46	7.38	-12.23
A. Enteric fermentation							
B. Manure management	1.52	1.54	1.53	1.51	1.50	1.49	-1.76
C. Rice cultivation							
D. Agricultural soils	6.30	6.14	5.70	6.05	5.96	5.88	-14.54
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	
F. Field burning of agricultural residues	0.00	0.00	0.00	0.00	0.00	0.00	-67.57
G. Liming							
H. Urea application							
I. Other carbon containing fertlizers							
J. Other	NA	NA	NA	NA	NA	NA	
4. Land use, land-use change and forestry	0.06	0.06	0.06	0.06	0.06	0.07	32.62
A. Forest land	0.00	0.00	0.00	0.00	0.00	0.00	-54.80
B. Cropland	0.06	0.06	0.06	0.06	0.06	0.07	34.45
C. Grassland	NO	NO	NO	NO	NO	NO	
D. Wetlands	NO	NO	NO	NO	NO	NO	
E. Settlements	NO	NO	NO	NO	NO	NO	
F. Other land	NO	NO	NO	NO	NO	NO	
G. Harvested wood products							
H. Other	NO	NO	NO	NO	NO	NO	
5. Waste	0.87	0.88	0.88	0.88	0.89	0.88	120.09
A. Solid waste disposal							
B. Biological treatment of solid waste	0.35	0.35	0.35	0.35	0.35	0.34	347.40
C. Incineration and open burning of waste	0.00	0.00	0.00	0.00	0.00	0.00	-95.78
D. Waste water treatment and discharge	0.52	0.53	0.53	0.53	0.53	0.54	66.60
E. Other	NO	NO	NO	NO	NO	NO	
6. Other (as specified in the summary table in CRF)	NO	NO	NO	NO	NO	NO	
Total direct N2O emissions without N2O from LULUCF	12.32	11.57	10.91	11.12	11.04	10.95	-22.23
Total direct N2O emissions with N2O from LULUCF	12.38	11.63	10.97	11.19	11.10	11.02	-22.04
Memo items:							
International bunkers	0.10	0.08	0.09	0.09	0.09	0.09	79.40
Aviation	0.07	0.06	0.07	0.07	0.07	0.07	114.57
Navigation	0.02	0.02	0.02	0.02	0.02	0.02	19.62
Multilateral operations	NO	NO	NO	NO	NO	NO	
CO2 emissions from biomass							
CO2 captured							
Long-term storage of C in waste disposal sites							
Indirect N2O	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
Indirect CO2 (3)							

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) AUT_BR2_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
Emissions of HFCs and PFCs - (kt CO2 equivalent)	1,185.22	1,185.22	1,196.51	516.11	298.78	332.06	441.28	501.04	618.30
Emissions of HFCs - (kt CO2 equivalent)	2.44	2.44	3.89	5.64	235.26	261.11	357.93	420.79	500.83
HFC-23	NO, NA	NO, NA	NO, NA	NO, NA	0.00	NO, NA, IE	NO, NA, IE	NO, NA, IE	NO, NA, IE
HFC-32	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00	0.00
HFC-41	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-43-10mee	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
HFC-125	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.01
HFC-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-134a	NO, NA	NO, NA	NO, NA	0.00	0.15	0.16	0.22	0.25	0.29
HFC-143	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-143a	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.01
HFC-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-152a	NO, NA	NO, NA	NO, NA	NO, NA	0.07	0.08	0.08	0.09	0.10
HFC-161	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-227ea	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
HFC-236cb	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-236ea	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-236fa	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-245ca	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-245fa	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
HFC-365mfc	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	2.44	2.44	3.89	5.62	7.35	9.08	10.79	12.32	11.93
Emissions of PFCs - (kt CO2 equivalent)	1,182.79	1,182.79	1,192.62	510.47	63.52	70.96	83.35	80.25	117.47
CF_4	0.14	0.14	0.14	0.05	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C_2F_6	0.01	0.01	0.01	0.00	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C_3F_8	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C_4F_{10}	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
c-C_4F_8	NA	NA	NA	NA	NA	NA	NA	NA	NA
C_5F_{12}	NA	NA	NA	NA	NA	NA	NA	NA	NA
C_6F_{14}	NA	NA	NA	NA	NA	NA	NA	NA	NA
C10F18	NA	NA	NA	NA	NA	NA	NA	NA	NA
c-C3F6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unspecified mix of PFCs(4) - (kt CO_2 equivalent)	34.03	34.03	43.86	53.69	63.52	70.96	83.35	80.25	117.47
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Emissions of SF6 - (kt CO2 equivalent)	470.61	470.61	614.14	656.27	744.00	926.17	1,100.11	1,176.90	1,086.40
SF_6	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.05	0.05
Emissions of NF3 - (kt CO2 equivalent)	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.76	6.44	7.93	15.53
NF3	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00	0.00	0.00

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

Table 1(d) AUT_BR2_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*1998*	1999	2000	2001	2002	2003	2004	2005	2006	2007
Emissions of HFCs and PFCs - (kt CO2 equivalent)	665.87	781.00	800.94	979.44	1,070.75	1,198.57	1,315.92	1,303.55	1,324.85	1,426.22
Emissions of HFCs - (kt CO2 equivalent)	610.34	701.82	713.63	863.10	968.78	1,072.19	1,158.34	1,145.76	1,152.47	1,195.89
HFC-23	NO, NA, IE	NO, NA, IE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-32	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
HFC-41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-43-10mee	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.00	NO, NA	NO, NA	NO, NA
HFC-125	0.01	0.02	0.03	0.04	0.04	0.06	0.06	0.07	0.08	0.08
HFC-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-134a	0.34	0.38	0.30	0.34	0.35	0.39	0.43	0.41	0.38	0.39
HFC-143	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-143a	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.06	0.07
HFC-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-152a	0.10	0.10	0.60	0.61	0.95	0.64	0.43	0.20	0.25	0.25
HFC-161	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-236cb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-236ea	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-236fa	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-245ca	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HFC-245fa	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-365mfc	NO, NA	NO, NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	3.75	4.09	4.78	5.61	5.11	4.91	5.14	5.03	6.36	8.94
Emissions of PFCs - (kt CO2 equivalent)	55.53	79.18	87.32	116.34	101.97	126.38	157.57	157.79	172.39	230.33
CF_4	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C_2F_6	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
C_3F_8	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	0.00	0.00
C_4F_{10}	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA
c-C_4F_8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C_5F_{12}	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C_6F_{14}	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C10F18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
c-C3F6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unspecified mix of PFCs(4) - (kt CO_2 equivalent)	55.53	79.18	87.32	116.34	101.97	126.38	157.57	157.79	170.57	228.85
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Emissions of SF6 - (kt CO2 equivalent)	869.88	676.37	574.53	629.33	613.30	549.44	484.01	493.63	453.46	367.01
SF_6	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
Emissions of NF3 - (kt CO2 equivalent)	9.43	8.24	10.51	10.51	10.51	21.56	26.54	28.16	32.73	59.39
NF3	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) AUT_BR2_v1.0

Emission trends (HFCs, PFCs and SF_6)

(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*2008*	2009	2010	2011	2012	2013	Change from base to latest reported year
							%
Emissions of HFCs and PFCs - (kt CO2 equivalent)	1,456.72	1,342.87	1,559.72	1,629.62	1,706.00	1,723.49	45.42
Emissions of HFCs - (kt CO2 equivalent)	1,248.53	1,306.85	1,481.67	1,556.11	1,655.28	1,674.27	68,586.11
HFC-23	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-32	0.03	0.03	0.04	0.05	0.06	0.06	
HFC-41	NA	NA	NA	NA	NA	NA	
HFC-43-10mee	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
HFC-125	0.09	0.10	0.12	0.13	0.14	0.14	
HFC-134	NA	NA	NA	NA	NA	NA	
HFC-134a	0.39	0.39	0.42	0.44	0.45	0.46	
HFC-143	NA	NA	NA	NA	NA	NA	
HFC-143a	0.07	0.08	0.09	0.09	0.10	0.10	
HFC-152	NA	NA	NA	NA	NA	NA	
HFC-152a	0.09	0.13	0.13	NO, NA	NO, NA	NO, NA	
HFC-161	NA	NA	NA	NA	NA	NA	
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-236cb	NA	NA	NA	NA	NA	NA	
HFC-236ea	NA	NA	NA	NA	NA	NA	
HFC-236fa	NA	NA	NA	NA	NA	NA	
HFC-245ca	NA	NA	NA	NA	NA	NA	
HFC-245fa	0.00	0.00	0.00	0.00	0.00	0.00	
HFC-365mfc	0.00	0.00	0.00	0.00	0.00	0.00	
Unspecified mix of HFCs(4) - (kt CO_2 equivalent)	9.35	2.16	2.05	2.06	2.09	2.12	-13.18
Emissions of PFCs - (kt CO2 equivalent)	208.19	36.02	78.05	73.51	50.72	49.23	-95.84
CF_4	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
C_2F_6	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
C_3F_8	0.00	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
C_4F_{10}	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	NO, NA	
c-C_4F_8	NA	NA	NA	NA	NA	NA	
C_5F_{12}	NA	NA	NA	NA	NA	NA	
C_6F_{14}	NA	NA	NA	NA	NA	NA	
C10F18	NA	NA	NA	NA	NA	NA	
c-C3F6	NA	NA	NA	NA	NA	NA	
Unspecified mix of PFCs(4) - (kt CO_2 equivalent)	207.25	36.02	78.05	73.51	50.72	49.23	44.67
Unspecified mix of HFCs and PFCs - (kt CO2 equivalent)	NA	NA	NA	NA	NA	NA	
Emissions of SF6 - (kt CO2 equivalent)	373.43	341.68	335.87	307.35	311.88	304.19	-35.36
SF_6	0.02	0.01	0.01	0.01	0.01	0.01	-35.36
Emissions of NF3 - (kt CO2 equivalent)	53.47	4.54	4.12	4.10	8.56	9.75	
NF3	0.00	0.00	0.00	0.00	0.00	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.

[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) AUT_BR2_v1.0

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

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

[a] Reporting by a developed country Party on the information specified in the common tabular format does not 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) AUT_BR2_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		1990
CH_4		1990
N_2O		1990
HFCs		1990
PFCs		1990
SF_6		1990
NF_3		
Other Gases (specify)		
Sectors covered[b]	Energy	Yes
	Transport[f]	Yes
	Industrial processes[g]	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	

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

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

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

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

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

Table 2(c) AUT_BR2_v1.0

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

Gases	*GWP values* [b]
CO_2	4th AR
CH_4	4th AR
N_2O	4th AR
HFCs	4th AR
PFCs	4th AR
SF_6	4th AR
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) AUT_BR2_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	

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 AUT_BR2_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	
ERUs	
AAUs[i]	
Carry-over units[j]	
Other mechanism units under the Convention (specify)[d]	

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

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

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

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

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

Table 2(e)II AUT_BR2_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]

Legally binding target trajectories for the period 2013-2020 are enshrined in both the EU-ETS Directive (Directive 2003/87/EC and respective amendments) and the Effort Sharing Decision (Decision No 406/2009/EC). These legally binding trajectories not only result in a 20% GHG reduction in 2020 compared to 1990 but also define the EU's annual target pathway to reduce EU GHG emissions from 2013 to 2020. The Effort Sharing Decision sets annual national emission targets for all Member States for the period 2013-2020 for those sectors not covered by the EU emissions trading system (ETS), expressed as percentage changes from 2005 levels. In March 2013, the Commission formally adopted the national annual limits throughout the period for each Member State. By 2020, the national targets will collectively deliver a reduction of around 10% in total EU emissions from the sectors covered compared with 2005 levels. The emission reduction to be achieved from the sectors covered by the EU ETS will be 21% below 2005 emission levels.

[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

The 2020 Climate and Energy Package allows Certified Emission Reductions (CERs) and Emission Reduction Units (ERUs) to be used for compliance purposes, subject to a number of restrictions in terms of origin and type of project and up to an established limit. In addition, the legislation foresees the possible recognition of units from new market mechanisms. Under the EU ETS the limit does not exceed 50% of the required reduction below 2005 levels. In the sectors not covered by the ETS, annual use shall not exceed to 3 % of each Member States' non-ETS greenhouse gas emissions in 2005. A limited number of Member States may use an additional 1%, from projects in LDCs or SIDS subject to conditions.

The use of these units under the ETS Directive and the Effort Sharing Decision is subject to the limits specified above which do not separate between CERs and ERUs, but include additional criteria for the useof CERs.

The use of these units under the ETS Directive and the Effort Sharing Decision is subject to the limits specified above which do not separate between CERs and ERUs, but include additional criteria for the useof CERs.

AAUs for the period 2013-2020 have not yet been determined. The EU expects to achieve its 20% target for the period 2013-2020 with the implementation of the ETS Directive and the ESD Decision in the non-ETS sectors which do not allow the use of AAUs from non-EU Parties.

The time-period of the Convention target is from 1990-2020, no carry-over units will be used to achieve the 2020 target.

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

This target under the convention has only been submitted by EU-28 and not by each of its Member States (MS), there are no specified convention targets for single MS. Due to this, Austria as part of the EU-28, takes on a quantified economy-wide emission reduction target jointly with all Member States.

Table 3 AUT_BR2_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)*	
EU Emission Trading Scheme (ETS)*	Energy, Industry/industrial processes	CO_2, N_2O	framework policy multi-sectoral policy	Other (Economic)	Implemented	The objective is to limit the CO2 emissions of energy intensive stationary installations and aviation through a trading mechanism for emission certificates.	2005	Ministry of Agriculture, Forestry, Environment and Water Management		n.q.
Domestic Environmental Support Scheme*	Energy, Transport	CO_2, CH_4, N_2O	framework policy multi-sectoral policy	Economic	Implemented	Financial support to GHG mitigation projects (energy efficiency, renewables,waste,…)	1993	Ministry of Agriculture, Forestry, Environment and Water Management		1000
Austrian Climate and Energy Fund (KLI.EN)*	Energy, Transport	CO_2	framework policy multi-sectoral policy	Other (Research)	Implemented	Financial support to energy-relevant research projects, to climate friendly transport projects and to market launch of new climate friendly technologies.	2007	Ministry of Agriculture, Forestry, Environment and Water Management, Ministry of Transport, Innovation and Technology		n.q.
Increase the share of renewable energy in energy supply and district heating*	Energy	CO_2	increase in renewable energy	Other (Regulatory)	Implemented	granting fixed feed-in tariffs for various forms of electricity generation from renewable sources, e.g. biomass, wind power, small hydropower, geothermal energy and photovoltaics	2003	Ministry of Science, Research and Economy Ministry of Agriculture, Forestry, Environment and Water Management		5300
Increase energy efficiency and use of renewables in energy industries*	Energy, Transport, Industry/industrial processes	CO_2	efficiency improvement in the energy and transformation sectorswitch to less carbon-intensive fuels	Other (Regulatory)	Implemented	Includes measures to stabilise the final energy consumption at 2005 levels by 2020 and the promotion of cogeneration of heat and power, whereby the subsidies for the latter measure are expired.	2007	Ministry of Science, Research and Economy Ministry of Agriculture, Forestry, Environment and Water Management Regional governments		n.q.
Further enhancement of renewable energy in energy supply	Energy	CO_2	increase in renewable energy	Other (Regulatory)	Planned	supporting green electricity also beyond 2020, especially wind power, biomass and photovoltaic installations	2020	Ministry of Science, Research and Economy Ministry of Agriculture, Forestry, Environment and Water Management		n.q.

Table 3 AUT_BR2_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)*	
Further enhancement of energy efficiency in energy industries	Energy, Industry/industrial processes	CO_2	efficiency improvement in the energy and transformation sector	Regulatory	Adopted	The Energy Efficiency Act includes among others: - Mandatory external energy audits - Energy suppliers are supposed to deliver yearly savings by themselves or end users amounting to 0.6 % of their yearly energy supply. - The federal republic has to fulfill a yearly renovation goal of 3 % through re-furbishments or other energy savings. - Energy efficiency action plans including the monitoring of binding goals and measures.	2015	Federal Ministry of Science, Research and Economy		n.q.
Increase share of clean energy sources in road transport*	Energy, Transport, Agriculture	CO_2	low carbon fuels/electric cars	Economic|Fiscal|Regulatory|Research	Implemented	Promotion of the use of biofuels or other renewable fuels for transport by introducing fuel tax reduction for sustainable biofuels. Promotion of clean and at least partly electrified vehicles for private, public and commercial traffic, as well as the intelligent integration of innovative mobility offers and services	2004	Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management + Austrian Federal Ministry of Transport + Austrian Federal Ministry of Economy		2363
Increase fuel efficiency of road transport*	Transport, Energy	CO_2	- demand management/reduction - modal shift to public transport or non-motorized transport - improved behaviour - efficiency improvements of vehicles	Economic|Fiscal|Information|Education	Implemented	Reduction of individual motorised transport and a shift towards public transport via fuel tax, charges of heavy goods on federal roads and highways, initiatives to promote fuel saving, immission control systems and consultation of stakeholders	2004	Austrian Federal Ministry of Finance, Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austrian Federal Ministry of Transport		1546
Modal shift to environmentally friendly transport modes*	Transport	CO_2	demand management/reduction	Other (Information)	Implemented	improving on intermodal freight transport logistics	2013	Austrian Federal Ministry of Transport Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management		519

Table 3 AUT_BR2_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)*	
Further enhancement of clean energy sources for transport	Energy, Transport, Agriculture	CO_2	low carbon fuels/electric cars	Regulatory|Economic|Fiscal|Research	Adopted	promotion of the use of biofuels or other renewable fuels for transport, which includes fuel tax reduction for sustainable bio fuels, and development and use of clean, and at least partly electrified vehicles for private, public and commercial traffic	2015	Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management + Austrian Federal Ministry of Transport + Austrian Federal Ministry of Economy		396
Further enhancement of fuel efficiency of road transport	Energy, Transport	CO_2	- demand management/reduction - efficiency improvements of vehicles - modal shift to public transport or non-motorized transport - low carbon fuels/electric cars - improved behaviour	Fiscal|Regulatory|Economic	Adopted	Reduction of individual motorised transport and a shift towards public transport, increase of energy efficiency. Charging for external effects (e.g. noise, air pollution) together with tolls.	2015	Austrian Federal Ministry of Finance, Austrian Federal Ministry of Economy , Austrian Federal Ministry of Transport		4195
Further modal shift to environmentally friendly transport modes	Transport, Energy, Agriculture	CO_2	modal shift to public transport or non-motorized transport	Information|Economic|Education	Adopted	promoting bycicle use and pedestrians vehicles and creating incentives to reduce existing barriers for using public transport (e.g. country-wide harmonisation of tariff systems), improvements for freight transport on the Danube	2015	Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management + Austrian Federal Ministry of Transport (only Master Plan Pedestrians), Austrian Federal Ministry of Finance, Austrian Federal Ministry of Transport		230

Table 3 AUT_BR2_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)*	
Increased energy efficiency of buildings *	Energy	CO_2	efficiency improvements of buildings	Regulatory|Economic|Information	Implemented	- construction standards for new buildings - thermal insulation of existing buildings - introduction of energy certificates for buildings - implementation of construction guidelines	2006/2012	Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management + Austrian Ministry for Transport, Innovation and Technology + Austrian Federal Ministry of Science, Research and Economy + Provincial governments		463
Increased share of renewable energy for space heating*	Energy	CO_2	efficiency improvements of buildings	Other (Regulatory)	Implemented	(1) Stepping up the replacement of heating systems (2) District heating and district cooling Act (3) Funding for wood heating systems and solar heating systems	2010	Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management + Austrian Ministry for Transport, Innovation and Technology + Provincial governments		585
Increased energy efficiency in residential electricity demand*	Energy	CO_2	- efficiency improvement of appliances - efficiency improvement in services/tertiary sector	Other (Information)	Implemented	This measure includes: - implementation of eco-design requirements - reduction of energy consumption on private and public buildings according to Austitran national energy efficiency action plan - introduction of energy labelling for energy consuming products	2007	Austrian Federal Ministry of Science, Research and Economy + Provincial governments		n.q.

Table 3 AUT_BR2_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)*	
Further enhancement of energy efficiency of buildings	Energy	CO_2	efficiency improvements of buildings efficiency improvement in services/tertiary sector	Regulatory|Economic|Information|Education	Adopted	This measures includes: - implementation of the Energy Efficiency Directive - increased subsidies for thermal insulation of existing buildings - implementation of National Plan for non-residential buildings	2013	Austrian Federal Ministry of Science, Research and Economy + Energy providers + Enterprises with more than 250 employees + Provincial governments + Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management		413
Decrease emissions from F-gases and other product use*	Industry/industrial processes	HFCs, PFCs, SF_6	- reduction of emissions of fluorinated gases - installation of abatement technologies	Regulatory	Implemented	This measure includes: - reduction of F-gases in stationary applications - restriction or banning of F-gas use in certain products - restriction of HFC used in mobile air conditions - limiting emissions of volatile organic compounds due to the use of organic solvents that contain highly volatile halogenated hydrocarbons	2002	Ministry of Agriculture, Forestry, Environment and Water Management		n.q.
Further minimisation of F-gas emissions	Industry/industrial processes	HFCs, PFCs, SF_6	reduction of emissions of fluorinated gases	Regulatory	Adopted	Prohibition on F-gases with high GWP, introduction of quota system in 2020 for placing F-gases on the market inside the EU	2015	Ministry of Agriculture, Forestry, Environment and Water Management		n.q.

Table 3 AUT_BR2_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)*	
Implementation of EU agricultural policies*	Agriculture	CH_4, N_2O, CO_2	- reduction of fertilizer/manure use on cropland - other activities improving cropland management - improved livestock management - improved animal waste management systems - activities improving grazing land or grassland management	Other (Economic)	Implemented	- Reduction of environmental pollution from agricultural activity - support of regions in agricultural development, considering environmental aspects	2007	Ministry of Agriculture, Forestry, Environment and Water Management		n.q.
Emission reduction through livestock und feeding management	Agriculture	CH_4, N_2O, CO_2	- improved livestock management - activities improving grazing land or grassland management	Information|Economic|Education	Adopted	This measure includes - increase number of lactations per cow, which results in lower number of heifers needed. - better breeding and herd management to increase yields of all livestock products - increased protein and energy content in forage products through improved crops and better management - adaption of pig feeding to growth sections, which results in lower N excretion - support of outdoor husbandry of cattle	2015	advisory boards of agricultural chambers; Ministry of Agriculture, Forestry, Environment and Water Management Farmers		n.q.
Sustainable N management	Agriculture	CH_4, N_2O, CO_2	-reduction of fertilizer/manure use on cropland - other activities improving cropland management - improved livestock management - improved animal waste management systems - activities improving grazing land or grassland management	Information|Economic|Education	Adopted	This measure includes: - enforced fermentation of animal manure - customized storage for manure or establishment of manure exchanges - covering of slurry tanks - improvement of fertiliser application techniques - avoid use of mineral fertiliser (organic farming) - efficient use of N-fertiliser	2015	advisory boards of agricultural chambers; Ministry of Agriculture, Forestry, Environment and Water Management Farmers		n.q.

Table 3 AUT_BR2_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)*	
Reduce emissions from waste treatment*		Waste management/waste	CH_4, N_2O	improved treatment technologies, improved landfill management	Regulatory	Implemented	Deposition of untreated biodegradable waste has been forbidden since 2004 (and without exemptions since 2009), hence the methane emissions from landfills decrease constantly. Landfill gas has to be collected and used or flared. In addition the BREF (Best available technique reference) document has been revised, this could lead to more severe emission limits. It will influence the cost-effectiveness of the plants and probably some of them will cease their activity. Besides the BREF the MBT design becomes more diverse (e.g. biological drying, mechanical treatment only).	1998/2008	Federal provinces, Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management		n.q.
Enhanced reduction of emissions from waste treatment		Waste management/waste	N_2O, CH_4	improved domestic composting improved landfill gas collection improved wastewater management systems		Adopted	Information and consulting for composting in households; Administrative provisions to check and improve gas collection in landfills; By changing the mode of operation of advanced waste water treatment plants N2O-emissions can be lowered (higher N-removal causes lower N2O emissions).	2015-2020	Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management		n.q.

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 AUT_BR2_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)*
(1990)	78,683.26					
2010	84,788.00					
2011	82,582.58					
2012	79,792.99					
2013	79,599.18					
2014						

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

Numbers for LULUCF are not reported because this sector is not included under the Convention target of the EU

Table 4(a)I AUT_BR2_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 2013 [a,b]

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

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

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

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

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

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

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

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

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

Custom Footnotes

Numbers for LULUCF are not reported because this sector is not included under the Convention target

Table 4(a)I AUT_BR2_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 2014 [a, b]

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

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

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

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

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

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

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

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

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

Custom Footnotes

Numbers for LULUCF are not reported because this sector is not included under the Convention target

Table 4(b) AUT_BR2_v1.0

Reporting on progress[a, b, c]

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

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

Use of CER and ERU cannot be quantified at the timeof reporting

Table 5 AUT_BR2_v1.0

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

Key underlying assumptions		*Historical*[b]								Projected		
Assumption	*Unit*	*1990*	*1995*	2000	2005	2010	2011	2013	2015	2020	2025	2030
GDP growth rate	*%*					1.90		0.30	1.50	1.50	1.50	1.50
Population	thousands					8,361.00		8,382.40	8,554.70	8,732.99	8,888.66	9,034.46
Number of dwellings	thousands					3,638.00		3,751.00	3,818.00	3,957.00	4,069.00	4,166.00
Heating degree days						3,252.00		3,301.00	3,288.00	3,204.00	3,161.00	3,118.00
Exchange rate USD	USD/EUR					1.33			1.30	1.30	1.30	1.30
International oil price	USD / bbl					78.10		96.30	106.00	118.00	127.00	135.00
International coal price	USD / t					99.20		102.50	105.00	109.00	113.00	116.00
International gas price	*USD / GJ*					7.10		8.50	9.30	10.40	11.30	11.90

[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

Projected data given for 2015

Table 6(a) AUT_BR2_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 (1990)	1990	1995	2000	2005	2010	2013	2020	2030
Sector[d,e]									
Energy		14,543.62	13,433.93	12,771.57	16,846.01	14,670.95	11,851.55	10,469.84	8,951.86
Transport		13,973.95	15,888.12	18,820.16	24,938.97	22,379.29	22,809.04	23,266.86	23,042.18
Industry/industrial processes		21,818.83	22,334.50	23,249.54	27,458.22	27,386.26	27,160.16	27,786.45	28,949.23
Agriculture		7,958.66	7,815.04	7,291.53	6,878.05	6,852.37	6,806.92	7,043.56	7,062.82
Forestry/LULUCF		-13,041.62	-14,118.59	-16,887.58	-11,141.83	-6,166.72	-4,978.16	5,005.40	5,005.40
Waste management/waste		4,225.72	3,636.31	2,921.72	2,631.84	1,993.45	1,684.39	1,195.14	855.67
Other (specify)		14,506.66	14,800.60	13,683.36	13,742.46	11,505.68	9,287.11	9,305.14	7,095.40
Other sectors		14,506.66	14,800.60	13,683.36	13,742.46	11,505.68	9,287.11	9,305.14	7,095.40
Gas									
CO_2 emissions including net CO_2 from LULUCF									
CO_2 emissions excluding net CO_2 from LULUCF		62,216.94	64,147.44	66,229.10	79,596.32	72,690.78	67,767.98	67,251.60	65,156.07
CH_4 emissions including CH_4 from LULUCF									
CH_4 emissions excluding CH_4 from LULUCF		10,613.92	9,470.88	8,296.30	7,573.98	6,946.86	6,530.26	6,188.75	5,920.53
N_2O emissions including N_2O from LULUCF									
N_2O emissions excluding N_2O from LULUCF		4,196.58	4,290.19	4,212.50	3,499.91	3,250.66	3,263.51	3,324.35	3,274.97
HFCs		2.44	357.93	713.63	1,145.76	1,481.67	1,674.27	1,804.12	1,483.68
PFCs		1,182.79	83.35	87.32	157.79	78.05	49.23	49.23	49.23
SF_6		470.61	1,100.11	574.53	493.63	335.87	304.19	439.18	62.93
Other (specify)		NO, NA	6.44	10.51	28.16	4.12	9.75	9.75	9.75
NF3		NO, NA	6.44	10.51	28.16	4.12	9.75	9.75	9.75
Total with LULUCF[f]									
Total without LULUCF		78,683.28	79,456.34	80,123.89	92,495.55	84,788.01	79,599.19	79,066.98	75,957.16

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

Table 6(a) AUT_BR2_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 (1990)	1990	1995	2000	2005	2010	2013	2020	2030

[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

Totals values have been overwritten, updated values are marked with an asterisk(*) next to them. Please update the table accordingly to match the totals.

Sectors: Energy:CRF 1.A.1, 1.B; Transport: CRF 1.A.3; Industry: CRF 1.A.2, 2; Other sectors:1.A.4, 1.A.5.

Table 6(c) AUT_BR2_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 (1990)	1990	1995	2000	2005	2010	2013	2020	2030
Sector[d,e]									
Energy		14,543.62	13,433.93	12,771.57	16,846.01	14,670.95	11,851.55	10,205.09	8,963.26
Transport		13,973.95	15,888.12	18,820.16	24,938.97	22,379.29	22,809.04	18,830.55	16,596.63
Industry/industrial processes		21,818.83	22,334.50	23,249.54	27,458.22	27,386.26	27,160.16	27,222.82	27,109.76
Agriculture		7,958.66	7,815.04	7,291.53	6,878.05	6,852.37	6,806.92	6,965.28	6,934.61
Forestry/LULUCF		-13,041.62	-14,118.59	-16,887.58	-11,141.83	-6,166.72	-4,978.16	5,005.40	5,005.40
Waste management/waste		4,225.72	3,636.31	2,921.72	2,631.84	1,993.45	1,684.39	1,192.16	823.48
Other (specify)		14,506.66	14,800.60	13,683.36	13,742.46	11,505.68	9,287.11	8,876.82	6,190.87
Other sectors		14,506.66	14,800.60	13,683.36	13,742.46	11,505.68	9,287.11	8,876.82	6,190.87
Gas									
CO_2 emissions including net CO_2 from LULUCF									
CO_2 emissions excluding net CO_2 from LULUCF		62,216.94	64,147.44	66,229.10	79,596.32	72,690.78	67,767.98	61,602.11	56,782.95
CH_4 emissions including CH_4 from LULUCF									
CH_4 emissions excluding CH_4 from LULUCF		10,613.92	9,470.88	8,296.30	7,573.98	6,946.86	6,530.26	6,160.58	5,871.64
N_2O emissions including N_2O from LULUCF									
N_2O emissions excluding N_2O from LULUCF		4,196.58	4,290.19	4,212.50	3,499.91	3,250.66	3,263.51	3,239.44	3,095.57
HFCs		2.44	357.93	713.63	1,145.76	1,481.67	1,674.27	1,792.44	746.56
PFCs		1,182.79	83.35	87.32	157.79	78.05	49.23	49.23	49.23
SF_6		470.61	1,100.11	574.53	493.63	335.87	304.19	439.18	62.93
Other (specify)		NO, NA	6.44	10.51	28.16	4.12	9.75	9.75	9.75
NF3		NO, NA	6.44	10.51	28.16	4.12	9.75	9.75	9.75
Total with LULUCF[f]									
Total without LULUCF		78,683.28	79,456.34	80,123.89	92,495.55	84,788.01	79,599.19	73,292.73	66,618.63

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

Table 6(c) AUT_BR2_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 (1990)	1990	1995	2000	2005	2010	2013	2020	2030

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

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

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

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

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

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

Table 7

AUT_BR2_v1.0

Provision of public financial support: summary information in 2013[a]

Allocation channels	*Year*									
	European euro - EUR					*USD*[b]				
	Core/ general[c]	*Climate-specific*[d]				*Core/ general*[c]	*Climate-specific*[d]			
		Mitigation	*Adaptation*	*Cross-cutting*[e]	*Other*[f]		*Mitigation*	*Adaptation*	*Cross-cutting*[e]	*Other*[f]
Total contributions through multilateral channels:				49,686,465.52					65,967,160.81	
Multilateral climate change funds[g]				7,852,287.38					10,425,235.50	
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks				40,689,074.48					54,021,607.12	
Specialized United Nations bodies				1,145,103.66					1,520,318.19	
Total contributions through bilateral, regional and other channels		76,700,000.00	3,115,000.00	12,690,000.00			101,832,183.00	4,135,688.00	16,848,115.00	
Total		76,700,000.00	3,115,000.00	62,376,465.52			101,832,183.00	4,135,688.00	82,815,275.81	

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:

All climate change finance resources that underpin a gradual and substantial scaling up of climate finance over the years since the Convention and its Kyoto Protocol entered into force, are considered as new and additional.

Table 7

AUT_BR2_v1.0

Provision of public financial support: summary information in 2014[a]

Allocation channels	*Year*									
	European euro - EUR					*USD*[b]				
	Core/ general[c]	*Climate-specific*[d]				*Core/ general*[c]	*Climate-specific*[d]			
		Mitigation	*Adaptation*	*Cross-cutting*[e]	*Other*[f]		*Mitigation*	*Adaptation*	*Cross-cutting*[e]	*Other*[f]
Total contributions through multilateral channels:				41,485,477.46					55,042,427.30	
Multilateral climate change funds[g]										
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks				40,331,412.34					53,511,227.73	
Specialized United Nations bodies				1,154,065.12					1,531,199.57	
Total contributions through bilateral, regional and other channels		71,002,910.00	6,882,195.00	21,868,146.00			94,205,798.00	9,131,213.00	29,014,391.00	
Total		71,002,910.00	6,882,195.00	63,353,623.46			94,205,798.00	9,131,213.00	84,056,818.30	

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:

All climate change finance resources that underpin a gradual and substantial scaling up of climate finance over the years since the Convention and its Kyoto Protocol entered into force, are considered as new and additional.

Table 7(a) AUT_BR2_v1.0

Provision of public financial support: contribution through multilateral channels in 2013[a]

Donor funding	*Total amount*				*Status*[b]	*Funding source*[f]	*Financial instrument*[f]	*Type of support*[f, g]	*Sector*[c]
	Core/general[d]		*Climate-specific*[e]						
	European euro - EUR	*USD*	*European euro - EUR*	*USD*					
Total contributions through multilateral channels			49,686,465.52	65,967,160.81					
Multilateral climate change funds[g]			7,852,287.38	10,425,235.50					
1. Global Environment Facility			5,853,614.17	7,771,659.81	Provided	ODA	Grant	Cross-cutting	Not applicable
2. Least Developed Countries Fund			1,499,004.91	1,990,181.77	Provided	ODA	Grant	Cross-cutting	Not applicable
3. Special Climate Change Fund									
4. Adaptation Fund			499,668.30	663,393.92	Provided	ODA	Grant	Cross-cutting	Not applicable
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks			40,689,074.48	54,021,607.12					
1. World Bank			26,118,641.12	34,676,900.05	Provided	ODA	Grant	Cross-cutting	Not applicable
2. International Finance Corporation									
3. African Development Bank			12,571,760.15	16,691,131.38	Provided	ODA	Grant	Cross-cutting	Not applicable
4. Asian Development Bank			1,998,673.21	2,653,575.69	Provided	ODA	Grant	Cross-cutting	Not applicable
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies			1,145,103.66	1,520,318.19					
1. United Nations Development Programme									
2. United Nations Environment Programme			1,073,325.03	1,425,019.95					
Montreal Protocol			1,073,325.03	1,425,019.95	Provided	ODA	Grant	Cross-cutting	Not applicable
3. Other			71,778.63	95,298.24					
UNFCCC			71,778.63	95,298.24	Provided	ODA	Grant	Cross-cutting	Not applicable

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) AUT_BR2_v1.0

Provision of public financial support: contribution through multilateral channels in 2014[a]

Donor funding	*Total amount*				*Status*[b]	*Funding source*[f]	*Financial instrument*[f]	*Type of support*[f, g]	*Sector*[c]
	Core/general[d]		*Climate-specific*[e]						
	European euro - EUR	*USD*	*European euro - EUR*	*USD*					
Total contributions through multilateral channels			41,485,477.46	55,042,427.30					
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			40,331,412.34	53,511,227.73					
1. World Bank			26,135,979.57	34,676,900.05	Provided	ODA	Grant	Cross-cutting	Not applicable
2. International Finance Corporation									
3. African Development Bank			12,195,432.77	16,180,751.99	Provided	ODA	Grant	Cross-cutting	Not applicable
4. Asian Development Bank			2,000,000.00	2,653,575.69	Provided	ODA	Grant	Cross-cutting	Not applicable
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies			1,154,065.12	1,531,199.57					
1. United Nations Development Programme									
2. United Nations Environment Programme			1,071,198.45	1,421,253.08					
Montreal Protocol			1,071,198.45	1,421,253.08	Provided	ODA	Grant	Cross-cutting	Not applicable
3. Other			82,866.67	109,946.49					
UNFCCC			82,866.67	109,946.49	Provided	ODA	Grant	Cross-cutting	Not applicable

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) AUT_BR2_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2013[a]

Recipient country/ region/project/programme [b]	*Total amount*		*Status* [c]	*Funding source* [g]	*Financial instrument* [g]	*Type of support* [g, h]	*Sector* [d]	*Additional information* [e]
	Climate-specific [f]							
	European euro - EUR	*USD*						
Total contributions through bilateral, regional and other channels	92,505,000.00	122,815,986.00						
/	3,115,000.00	4,135,688.00	Committed	ODA	Grant	Adaptation		
/	12,690,000.00	16,848,115.00	Committed	ODA	Grant	Cross-cutting		
/	29,830,000.00	39,604,355.00	Committed	ODA	Grant	Mitigation		
/	46,870,000.00	62,227,828.00	Provided	OOF	Non-Concessional Loan	Mitigation		

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

Project details can be found in Section 5.1 of the Report.

Table 7(b) AUT_BR2_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2014[a]

Recipient country/ region/project/programme [b]	*Total amount*		*Status* [c]	*Funding source* [g]	*Financial instrument* [g]	*Type of support* [g, h]	*Sector* [d]	*Additional information* [e]
	Climate-specific [f]							
	European euro - EUR	*USD*						
Total contributions through bilateral, regional and other channels	99,753,251.00	132,351,402.00						
/	6,882,195.00	9,131,213.00	Committed	ODA	Grant	Adaptation		
/	15,775,646.00	20,930,936.00	Committed	ODA	Grant	Cross-cutting		
/	6,092,500.00	8,083,455.00	Provided	OOF	Other (bank export credit)	Cross-cutting		
/	9,596,910.00	12,733,064.00	Committed	ODA	Grant	Mitigation		
/	46,000.00	61,032.00	Provided	ODA	Equity	Mitigation		
/	42,580,000.00	56,494,627.00	Provided	OOF	Non-Concessional Loan	Mitigation		
/	10,505,000.00	13,937,906.00	Provided	OOF	Other (guaranties/insurance)	Mitigation		
/	8,275,000.00	10,979,169.00	Provided	OOF	Other (bank export credit)	Mitigation		

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”.

Table 7(b) AUT_BR2_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2014[a]

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

[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

Project details can be found in Section 5.1 of the Report.

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]
Honduras	Mitigation	Supply of energy from solar power plant (Valle Solar PV). Capacity of 70 MW and an expected annual power generation of 122 GWh.	Energy	Public	Private and Public	Implemented	
Uganda, Bangladesh, Kenya, Nicaragua, Nepal, Cambodia	Mitigation and Adaptation	Advancing Clean Energy Investment- Stimulating climate action and fostering energy access (REEEP, 10th Project Call)	Energy	Public	Private and Public	Implemented	
Panama	Mitigation	Supply of energy from wind power (Penonome Wind Farm). Capacity of 215 MW and an annual power generation of 448 GWh (approx.. 5% of the country's total energy demand)	Energy	Public	Public	Implemented	
Mongolia	Mitigation	Support to the implementation of waste-to-energy solutions in the city of Ulaanbaatar. Contribution to the implementation of the Mongolia national action programme on climate change	Energy	Public	Public	Implemented	
Mali	Mitigation and Adaptation	Scoping project to assess a National Forest Inventory. Fact finding mission to Mali and technical training course for experts from Mali in Vienna.		Public	Public	Implemented	Sector: Forestry

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]
Eastern Europe	Mitigation	EBRD Resource Efficiency Investments Programme. Advice and know-how regarding market understanding, investment preparation and support, technical assistance, capacity building and policy dialogue.	Energy	Public	Public	Implemented	
Africa	Mitigation	Start-up and first operationale phase of the East African Centre for Renewable Energy and Energy Efficiency (EACREEE)	Energy	Public	Public	Implemented	Recipient: East Africa Region (EAC)
Africa	Mitigation	Start-up and first operationale phase of the South African Centre for Renewable Energy and Energy Efficiency (SACREEE)	Energy	Public	Public	Implemented	Recipient: Southern Africa Region (SADC)
Africa	Mitigation	Strengthening the capacities of the ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE)	Energy	Public	Public	Implemented	Recipient: West Africa (ECOWAS)
Namibia, Mozambique, Zimbabwe, South Africa, Lesotho	Mitigation	Top-up funding of Solar thermal trainings and demonstration in SADC, Phase II, including Lesotho	Energy	Public	Public	Implemented	
Egypt	Mitigation	Installation and market penetration of high-quality solar thermal energy systems in Egypt, including integration in tourism	Energy	Public	Private and Public	Implemented	

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]
Eastern Europe	Mitigation and Adaptation	Support for Low Emission Development in SEE (SLED)		Public	Public	Implemented	Sector affected: Environmental Policy
United Republic of Tanzania	Adaptation	Capacity building in biological agriculture; improving food security; support climate change resilience; participatory on-farm research	Agriculture	Private and Public	Public	Implemented	
Chad	Adaptation	Capacity development for rural households, vegetable farmers and poor/vulnerable women; training in technical and organisational skills; improved agricultural production; improved competitive position of rural value chains	Agriculture	Private and Public	Public	Implemented	
Fiji	Adaptation	Infrastructure improvement in the communities; agricultural know-how and natural disaster prevention measures; training for international certification according to Australian Certified Organic and Fairtrade standards	Agriculture	Private and Public	Private	Implemented	

Table 8 AUT_BR2_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]
Maldives	Mitigation	Support (and demonstration) to the technical and economic viability of floating solar systems; capacity building for Maldivian SMEs and policy makers on business opportunities and economic welfare effects such as lowering of power prices; development of hybrid solar PV financing and operation models for different stakeholders (including community owned mini-grid operators)	Energy	Private and Public	Private	Implemented	
Georgia	Mitigation	Support to improvement of management of the forests of Georgia; establishment of a national framework for sustainable forest management; establishment of a National Forest Monitoring System; implementation of pilot interventions to demonstrate sustainable forest management; enhancement of human capacities of public and private actors		Public	Public	Implemented	Sector affected: Forestry

[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]

Recipient country/region	*Targeted area*	*Programme or project title*	*Description of programme or project* [b,c]
Chad	Adaptation	Strengthening of small-scale agriculture and vegetable production in Chad	Capacity development for rural households, vegetable farmers and poor/vulnerable women; training in technical and organisational skills; improved agricultural production; improved competitive position of rural value chains; implementation of a market information system (2014)
Georgia	Mitigation	Bank of Georgia - capacity building for RE project investors	Financed by the Development Bank of Austria (OeEB) with grant funds provided by the Federal Ministry of Finance (MoF) of Austria. Capacity building support to investors of small hydropower projects in Georgia in project development phase (investors will receive funding from Bank of Georgia who in turn obtained a loan from OeEB earmarked for this purpose) (2013)
Asia Pacific	Mitigation	Zero-Carbon-Resorts, sustainable development tourism sector	Support to sustainable development of tourism sector in Philippines and Thailand; reduction of consumption of fossil fuels and reduction of CO2-emissions by improvement of energy and resource efficiency of SME in the tourism sector; improved availability of renewable energy sources; development of zero-carbon certificate and methodology for hotels and resorts; capacity building for stakeholders in tourism sector; growing network of low-carbon tourism SME. (2014)
Africa	Mitigation	Capacity Development programme of the ECOWAS Center for Renewable energy and energy efficiency (ECREEE)	The Overall Objective of ECREEE is to contribute to the sustainable economic, social and environmental development of West Africa by improving access to modern, reliable and affordable energy services, energy security and reduction of energy related externalities (GHG, local pollution).

[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