Austria's
FIRST BIENNIAL REPORT

in Compliance with the Obligations under the
United Nations Framework Convention on Climate Change,
according to Decisions 2/CP.17 and 19/CP.18
of the Conference of the Parties,

The First Biennial Report of Austria under the Framework Convention on Climate Change was compiled by the Federal Ministry of Agriculture, Forestry, Environment and Water Management, Unit V/4 (Manfred Kohlbach, Martin Kriech, Christopher Lamport).

Contents

1 Information on greenhouse gas emissions and trends

Austria's total emissions of the greenhouse gases CO_2, N_2O, CH_4, HFCs, PFCs and SF_6 (excluding Land Use, Land-Use Change and Forestry) were 78.16 Tg CO_2 equivalent in 1990 and 82.84 Tg in 2011. The increase was mainly driven by the transport sector, which contributed 18 % to total emissions in 1990 and 26 % in 2011. About three quarters of the emissions result from fuel combustion. Of all CRF (sub)sectors, transport (1.A.3, 26 %) has the highest share in total emissions in 2011, followed by manufacturing industries and construction (1.A.2, 18 %), energy industries (1.A.1, 17 %), industrial processes (2., 14 %), "other sectors" (1.A.4, 13 %) and agriculture (4., 9 %). The share of most (sub)sectors has been at a comparable level in 1990, with the exception of transport and "other sectors", the latter showing a noteworthy decrease.

Emissions are clearly dominated by CO_2 with a share of 85 % in 2011; the share of CH_4 and N_2O has been decreasing since 1990 and reached 6 % for each of them. The share of fluorinated gases has been very low (about 2 %) all over the time.

Table A shows emissions according to sectors and gases for the years 1990 and 2011, CTF Table 1 can be found in the Annex.

Table A: GHG emissions 1990 and 2011, in Tg CO_2 equivalent

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1990					2011				
	CO_2	CH_4	N_2O	F-Gases	Total	CO_2	CH_4	N_2O	F-Gases	Total
Total without LULUCF	**62.06**	**8.30**	**6.20**	**1.60**	**78.16**	**70.46**	**5.36**	**5.29**	**1.73**	**82.84**
Total with LULUCF	**52.09**	**8.30**	**6.24**	**1.60**	**68.23**	**66.91**	**5.36**	**5.34**	**1.73**	**79.35**
1. Energy	**54.17**	**0.67**	**0.56**		**55.40**	**60.83**	**0.46**	**0.69**		**61.99**
A. Fuel Combustion (Sectoral Approach)	54.07	0.46	0.56		55.09	60.60	0.22	0.69		61.51
1. Energy Industries	13.79	0.00	0.05		13.84	13.86	0.01	0.12		13.99
2. Manufacturing Industries and Construct.	12.69	0.01	0.08		12.77	14.83	0.01	0.15		15.00
3. Transport	13.77	0.06	0.19		14.03	21.52	0.01	0.21		21.75
4. Other Sectors	13.79	0.39	0.23		14.41	10.34	0.19	0.20		10.73
5. Other	0.04	0.00	0.00		0.04	0.05	0.00	0.00		0.05
B. Fugitive Emissions from Fuels	0.10	0.21	IE,NA		0.31	0.23	0.24	IE,NA		0.47
2. Industrial Processes	**7.58**	**0.01**	**0.91**	**1.60**	**10.10**	**9.45**	**0.02**	**0.05**	**1.73**	**11.25**
3. Solvent and Other Product Use	**0.28**		**0.23**		**0.51**	**0.17**		**0.15**		**0.32**
4. Agriculture		**4.19**	**4.36**		**8.56**		**3.55**	**4.03**		**7.58**
5. Land Use, Land-Use Change and Forestry	**-9.97**	**0.00**	**0.04**		**-9.93**	**-3.54**	**0.00**	**0.05**		**-3.49**
6. Waste	**0.03**	**3.43**	**0.13**		**3.59**	**0.00**	**1.33**	**0.38**		**1.71**

Austria's total greenhouse gases showed an increase of 6 % from the base year to 2011 (CO_2: +14 %). Figure A presents the trend in total GHG emissions 1990-2011. Emissions had started to increase considerably in the mid-1990ies. The increase was mainly due the rising share of road fuel sold in Austria but consumed abroad. A reversal of the trend has been achieved after 2005.

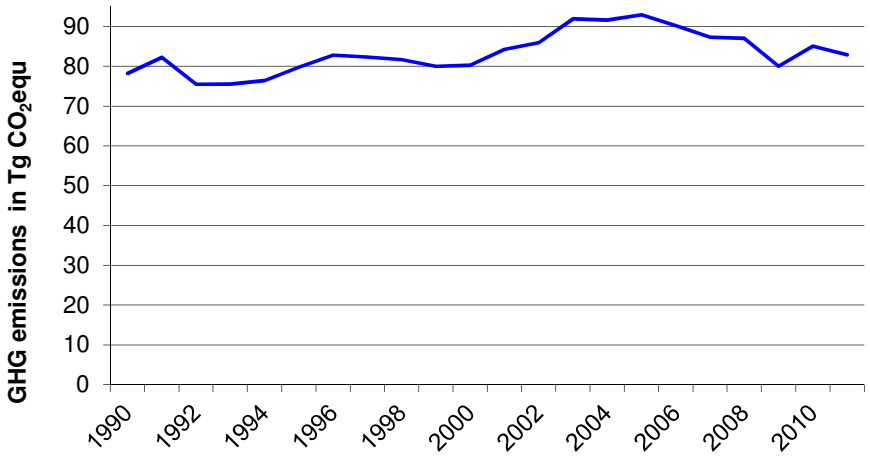

Figure A: GHG emission trend 1990–2011 (without LULUCF)

The Austrian national inventory system serves to fulfil the UNFCCC reporting obligations on greenhouse gas inventories. The *Umweltbundesamt* is identified as the single national entity with overall responsibility for the national inventory by law. The responsibilities for the inventory planning, preparation and management are specified and are all allocated within the *Umweltbundesamt*. There were no significant changes of the inventory system since the last National Communication.

More detailed information on inventory data and inventory arrangements can be found in the Austrian National Inventory Report 2013[1].

2 Quantified economy-wide emission reduction target

Austria is a Member State of the European Union. The EU and its Member States communicated an independent quantified economy-wide emission reduction target of a 20 per cent emission reduction by 2020 compared with 1990 levels. This is documented in the UNFCCC document FCCC/SB/2011/INF.1/Rev.1 of 7 June 2011.

No individual target for Austria is included in document FCCC/SB/2011/INF.1/Rev.1, as this 20 % reduction target will be fulfilled jointly by the EU and its Member States.

In the EU submission to the UNFCCC from 20 March 2012, document FCCC/AWGLCA/2012/MISC.1, the EU target is explained further, including information on the use of carbon credits from international market-based

[1] *Austria's National Inventory Report 2013*. Reports, Bd. REP-0416. Umweltbundesamt, Vienna, Austria.
(http://www.umweltbundesamt.at/fileadmin/site/publikationen/REP0416.pdf)

mechanisms. With regard to the role of Land Use, Land-Use Change and Forestry (LULUCF), the EU pledge does not include emissions/removals from LULUCF.

More information on the EU target is given in CTF Table 2 in the Annex.

3 Progress in achievement of quantified economy-wide emission reduction targets and relevant information

Austrian policies and measures for climate change mitigation, which have been implemented and adopted so far or are in the planning stage, contribute to reaching the quantified economy-wide emission reduction target of the European Union described in the previous section. Information on policies and measures is given in CTF Table 3 in the Annex; more details can be found in Chapter 4 of Austria's Sixth National Communication.

The quantified economy-wide emission reduction target will be fulfilled jointly by the EU and its Member States; no individual targets for Member States have been included in document FCCC/SB/2011/INF.1/Rev.1. Monitoring and reporting of compliance has to be done at the level of the EU as a synopsis of the development in the 28 Member States.

Information on emissions in the base year and in the reporting years can be found in CTF Table 4 in the Annex. The quantified economy-wide emission reduction target in FCCC/SB/2011/INF.1/Rev.1 does not include emissions/removals from LULUCF. Austria has not used units from market-based mechanisms with respect to that target.

Please note that Austria's Biennial Report does not cover progress with respect to other targets like the Kyoto Protocol target – information relevant for the progress towards the Kyoto target is already reported annually according to the reporting obligations of the Kyoto Protocol. For the latest information refer to Austria's National Inventory Report 2013[2].

4 Projections

The latest national greenhouse gas (GHG) emission projections have been developed in the years 2012/2013. They include results for a "with measures" scenario (WM) and a "with additional measures" scenario (WAM) up to 2030.

[2] http://www.umweltbundesamt.at/fileadmin/site/publikationen/REP0416.pdf

Total GHG emissions (without LULUCF) in the scenario "with measures" are expected to decrease from 82.8 Mt CO_2 equivalent in 2011 to 81.6 Mt in 2020 and to increase to 84.0 Mt in 2030. This is a decrease of 1.5 % and an increase of 1.4 % respectively, compared to 2011 (see Table B and Figure B). The increase after 2020 is driven by the projected rise of emissions from fuel combustion. The scenario "with additional measures" shows a sharper decrease from 82.8 Mt in 2011 to 77.5 Mt in 2020 (-6.4 %), but also a slight rise of emissions afterwards to 78.1 Mt in 2030 (-5.8 % 2011–2030).

Table B: Total actual and projected GHG emissions in Austria (without LULUCF) by gas

	Inventory data			With Measures				With Additional Measures			
	1990	**2000**	**2011**	**2015**	**2020**	**2025**	**2030**	**2015**	**2020**	**2025**	**2030**
CO_2	62.06	65.97	70.46	70.55	69.98	71.31	72.72	68.39	66.22	66.53	67.12
CH_4	8.30	6.62	5.36	5.21	5.02	4.88	4.80	5.19	4.97	4.83	4.75
N_2O	6.20	6.29	5.29	5.18	5.14	5.06	4.98	5.07	4.91	4.83	4.75
F-gases	1.60	1.32	1.73	1.50	1.49	1.51	1.53	1.46	1.40	1.42	1.44
Total	**78.16**	**80.20**	**82.84**	**82.44**	**81.64**	**82.76**	**84.03**	**80.10**	**77.50**	**77.62**	**78.06**

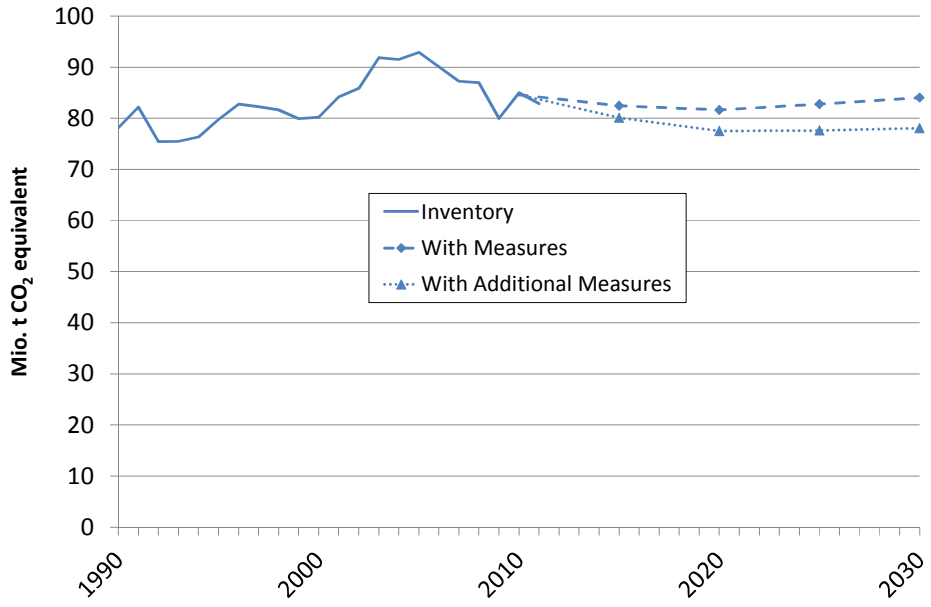

Figure B: Actual and projected total GHG emissions in Austria (without LULUCF)

Projected emissions according to sector and gas are listed in CTF Tables 6 (a) and 6 (c) in the Annex. Key variables used in the projections are listed in CTF Table 5.

More details on results, assumptions, methods and changes compared to previously reported projections can be found in Chapter 5 of Austria's Sixth National Communication and in the report "GHG Projections and Assessment of Policies and Measures in Austria, Reporting under Decision 280/2004/EC" from 2013[3].

[3] http://www.umweltbundesamt.at/fileadmin/site/publikationen/REP0412.pdf

5 Provision of financial, technological and capacity-building support to developing country Parties

Climate finance is a key element in tackling climate change at the global level. Austria takes its climate finance commitments under the Convention very seriously. In tables 7, 7(a) and 7(b), we provide full details of our efforts in 2011 and 2012, respectively. We applied official OECD DAC exchange rates for conversion of EUR into USD. Further information can be found in Chapter 7 of Austria's Sixth National Communication, to which we hereby refer.

Transfer of environmentally sound technology is a component of many of the programmes and projects listed in tables 7, 7(a) and 7(b). Initiatives of the Austrian government as the joint environmental-technologies export initiative and technology transfer measures for transport systems, bilateral partnerships related to energy and environmental technology, participation in the Climate Technology Initiative, in the Global Forum on Sustainable Energy etc. further promote the transfer of technology. Examples of projects with a specific focus on technology transfer are listed in Table 8. Further information can be found in Chapter 7 of Austria's Sixth National Communication.

Climate change is a global challenge, and addressing it requires serious efforts by all countries. But not all countries currently have the capacity – the knowledge, the tools, the public support, the scientific expertise and the political know-how – to efficiently and effectively mitigate and adapt. Austria therefore places great emphasis on capacity-building in climate programmes and projects in developing countries. Almost all of the programmes and projects listed in tables 7, 7(a) and 7(b) contain a capacity-building component. As a cross-cutting issue, capacity-building is also often a co-benefit in programmes and projects that do not target the issue specifically. Table 9 lists a small selection of projects from several world regions with a specific focus on capacity-building.

6 Other reporting matters

The Austrian Climate Change Act ("Klimaschutzgesetz", KSG), which entered into force in late 2011, forms the legal basis for self-assessment of compliance with Austria's emission reduction targets (outside of the EU-ETS, i.e. in so-called "non-ETS" sectors), including on taking action against domestic non-compliance.

Under the KSG, two bodies are charged with monitoring progress in meeting emission reductions targets – the National Climate Change Committee and the National Climate Change Advisory Board. Each year, the Federal Minister for Agriculture, Forestry, Environment and Water Management must present a report on

progress made in meeting Austria's annual non-ETS sectoral emission reduction targets up to 2020 (as set out in Annex 2 of the KSG) to both the Committee and to Parliament. If targets are not met, the KSG triggers negotiations on additional measures to meet the targets. In addition, a financial mechanism ("Klimaschutz-Verantwortlichkeitsmechanismus", KVM), which is currently under development, will regulate the sharing of costs between the Federal Government and the nine Provinces relating to the purchase of units for compliance.

Annex – Common Tabular Format

Table 1 AUT_BR1_v0.1

Emission trends: summary [1]

CRF: AUT_CRF__ v1.3

GREENHOUSE GAS EMISSIONS	Base year[a]	1991	1992	1993	1994	1995	1996	1997	1998	*1999*	2000	2001	2002	2003	2004	2005	2006	2007	2008	*2009*	2010	2011	Change from base to latest reported year
	kt CO_2 eq	*kt CO_2 eq*	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	*kt CO_2 eq*	*kt CO_2 eq*	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	*kt CO_2 eq*	*kt CO_2 eq*	kt CO_2 eq	(%)
CO_2 emissions including net CO_2 from LULUCF	52,091.43	49,958.78	49,251.49	49,193.40	50,710.50	52,404.88	58,951.17	50,084.33	51,563.39	47,271.30	50,997.00	53,138.65	60,797.11	76,887.82	72,288.15	72,390.15	75,508.68	73,810.38	74,355.31	63,807.87	69,023.08	66,913.30	28.45
CO_2 emissions excluding net CO_2 from LULUCF	62,059.59	65,643.84	60,138.33	60,516.13	60,899.75	63,943.97	67,383.73	67,180.02	66,763.01	65,344.86	65,969.68	69,999.37	71,713.99	77,758.25	78,215.90	79,723.67	77,032.51	74,274.62	73,921.74	67,396.95	72,590.80	70,455.49	13.53
CH_4 emissions including CH_4 from LULUCF	8,306.26	8,269.48	7,987.63	7,936.28	7,709.81	7,619.69	7,400.07	7,095.50	6,945.19	6,775.76	6,624.97	6,488.65	6,391.72	6,386.50	6,244.99	6,085.75	5,964.47	5,853.64	5,708.17	5,627.18	5,538.16	5,364.11	-35.42
CH_4 emissions excluding CH_4 from LULUCF	8,305.68	8,269.33	7,987.25	7,935.96	7,709.65	7,619.60	7,399.99	7,095.44	6,944.92	6,775.74	6,624.85	6,488.58	6,391.16	6,385.96	6,244.94	6,085.66	5,964.26	5,853.53	5,708.02	5,627.01	5,538.02	5,363.98	-35.42
N_2O emissions including N_2O from LULUCF	6,238.95	6,570.08	6,174.70	6,000.53	6,480.59	6,645.27	6,306.06	6,337.43	6,455.11	6,429.75	6,325.90	6,211.28	6,213.71	6,139.68	5,444.14	5,484.00	5,520.66	5,552.70	5,742.87	5,462.91	5,234.23	5,344.57	-14.34
N_2O emissions excluding N_2O from LULUCF	6,197.91	6,529.36	6,134.12	5,960.16	6,440.81	6,606.11	6,267.54	6,299.44	6,417.59	6,392.66	6,289.10	6,174.83	6,177.36	6,103.50	5,408.59	5,448.03	5,482.08	5,509.89	5,695.25	5,414.02	5,184.34	5,293.79	-14.59
HFCs	22.55	24.73	26.51	237.01	260.33	339.64	392.57	460.99	555.40	632.48	646.82	773.86	874.78	952.51	1,020.17	997.37	1,004.15	1,042.65	1,082.02	1,134.26	1,285.65	1,349.01	5,882.27
PFCs	1,079.24	1,087.08	462.32	52.57	58.30	68.39	65.92	96.48	44.40	64.19	67.46	90.03	83.46	102.20	125.49	125.04	136.94	183.72	167.13	28.64	63.93	60.07	-94.43
SF_6	493.37	643.82	687.97	779.93	970.88	1,153.20	1,233.69	1,138.81	911.84	708.98	602.25	659.69	642.89	575.58	507.07	517.12	474.88	384.22	390.87	357.54	351.50	321.53	-34.83
Total (including LULUCF)	68,231.79	66,553.97	64,590.62	64,199.71	66,190.41	68,231.07	74,349.48	65,213.54	66,475.32	61,882.46	65,264.38	67,362.15	75,003.66	91,044.29	85,630.01	85,599.43	88,609.78	86,827.30	87,446.36	76,418.40	81,496.56	79,352.60	16.30
Total (excluding LULUCF)	78,158.34	82,198.15	75,436.50	75,481.75	76,339.72	79,730.90	82,743.44	82,271.19	81,637.15	79,918.91	80,200.15	84,186.35	85,883.64	91,878.00	91,522.15	92,896.90	90,094.80	87,248.62	86,965.03	79,958.42	85,014.25	82,843.87	5.99

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[a]	1991	1992	1993	1994	1995	1996	1997	1998	*1999*	2000	2001	2002	2003	2004	2005	2006	2007	2008	*2009*	2010	2011	Change from base to latest reported year
	kt CO_2 eq	*kt CO_2 eq*	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	*kt CO_2 eq*	*kt CO_2 eq*	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	kt CO_2 eq	*kt CO_2 eq*	*kt CO_2 eq*	kt CO_2 eq	(%)
1. Energy	55,398.83	59,292.69	54,365.98	54,782.07	54,816.56	57,671.63	61,475.78	60,556.55	60,533.80	59,302.64	59,248.09	63,367.24	64,477.33	70,591.68	71,067.66	72,114.60	68,932.38	65,738.72	64,977.24	60,358.65	64,609.22	61,987.31	11.89
2. Industrial Processes	10,103.72	10,121.21	8,905.38	8,816.49	9,310.08	9,820.76	9,668.02	10,250.75	9,744.86	9,489.40	10,058.92	10,027.08	10,696.47	10,746.99	10,181.44	10,636.97	11,028.53	11,445.72	11,936.68	9,755.23	10,807.16	11,246.95	11.31
3. Solvent and Other Product Use	511.80	465.98	417.65	418.48	403.26	422.45	405.66	424.37	406.32	392.26	425.12	424.82	427.08	418.42	374.23	386.59	415.03	388.34	367.24	299.16	327.12	324.20	-36.65
4. Agriculture	8,556.70	8,746.33	8,283.56	8,049.78	8,555.58	8,719.60	8,245.32	8,222.85	8,226.11	8,103.13	7,909.85	7,863.10	7,761.05	7,554.89	7,451.63	7,414.05	7,450.06	7,516.53	7,653.97	7,634.11	7,466.75	7,577.10	-11.45
5. Land Use, Land-Use Change and Forestry[b]	-9,926.54	-15,644.18	-10,845.87	-11,282.05	-10,149.30	-11,499.84	-8,393.96	-17,057.64	-15,161.83	-18,036.44	-14,935.76	-16,824.20	-10,879.97	-833.72	-5,892.14	-7,297.47	-1,485.03	-421.32	481.34	-3,540.02	-3,517.69	-3,491.28	-64.83
6. Waste	3,587.28	3,571.93	3,463.94	3,414.94	3,254.24	3,096.47	2,948.66	2,816.67	2,726.05	2,631.47	2,558.17	2,504.11	2,521.70	2,566.02	2,447.19	2,344.70	2,268.81	2,159.30	2,029.90	1,911.26	1,804.00	1,708.31	-52.38
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Total (including LULUCF)	68,231.79	66,553.97	64,590.62	64,199.71	66,190.41	68,231.07	74,349.48	65,213.54	66,475.32	61,882.46	65,264.38	67,362.15	75,003.66	91,044.29	85,630.01	85,599.43	88,609.78	86,827.30	87,446.36	76,418.40	81,496.56	79,352.60	16.30

Table 1 (a)

AUT_BR1_v0.1

Emission trends (CO_2)

CRF: AUT_CRF__ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1991	1992	1993	1994	1995	1996	1997	1998	*1999*	2000	2001	2002	2003	2004	2005	2006	2007	2008	*2009*	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	%
1. Energy	54,171.69	57,963.28	53,065.21	53,465.97	53,537.97	56,355.12	60,112.28	59,299.50	59,256.20	58,027.14	57,988.69	62,080.09	63,210.27	69,306.04	69,781.67	70,790.94	67,658.51	64,492.35	63,752.74	59,187.77	63,387.55	60,830.19	12.29
A. Fuel Combustion (Sectoral Approach)	54,069.60	57,852.19	52,945.09	53,353.84	53,410.33	56,227.97	60,041.14	59,178.87	59,114.26	57,856.50	57,824.04	61,897.24	63,043.12	69,072.89	69,571.52	70,585.79	67,426.35	64,255.19	63,540.58	58,922.61	63,150.38	60,597.01	12.07
1. Energy Industries	13,792.28	14,622.47	11,314.87	11,466.07	11,761.35	12,918.64	13,804.55	13,874.68	13,002.69	12,526.98	12,221.05	13,825.71	13,473.50	16,287.24	16,324.94	16,274.39	15,159.57	13,885.09	13,672.64	12,740.11	14,105.13	13,861.09	0.50
2. Manufacturing Industries and Construction	12,685.38	13,074.34	11,948.10	12,247.75	13,237.18	13,489.03	13,704.06	15,241.14	13,991.70	13,205.72	13,861.46	13,715.72	14,044.13	14,678.86	15,094.98	16,363.64	16,097.25	15,841.54	15,932.21	14,340.21	15,291.93	14,827.78	16.89
3. Transport	13,771.40	15,234.53	15,208.62	15,341.65	15,391.00	15,675.07	17,232.78	16,251.57	18,351.92	17,825.01	18,620.84	20,109.47	22,008.29	23,858.14	24,379.03	24,679.12	23,402.81	23,576.88	22,322.82	21,516.93	22,204.20	21,523.38	56.29
4. Other Sectors	13,785.55	14,883.76	14,439.82	14,258.97	12,979.24	14,112.67	15,260.85	13,774.39	13,725.54	14,257.21	13,079.89	14,204.98	13,475.28	14,206.19	13,729.55	13,225.07	12,722.66	10,907.06	11,567.74	10,279.66	11,502.84	10,337.93	-25.01
5. Other	35.00	37.09	33.67	39.41	41.56	32.55	38.89	37.08	42.39	41.57	40.80	41.36	41.91	42.47	43.03	43.57	44.06	44.61	45.17	45.70	46.27	46.83	33.79
B. Fugitive Emissions from Fuels	102.09	111.09	120.13	112.13	127.64	127.15	71.14	120.63	141.94	170.65	164.65	182.85	167.15	233.15	210.15	205.15	232.16	237.16	212.16	265.16	237.17	233.17	128.40
1. Solid Fuels	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
2. Oil and Natural Gas	102.09	111.09	120.13	112.13	127.64	127.15	71.14	120.63	141.94	170.65	164.65	182.85	167.15	233.15	210.15	205.15	232.16	237.16	212.16	265.16	237.17	233.17	128.40
2. Industrial Processes	7,581.71	7,423.68	6,877.10	6,853.58	7,180.38	7,387.93	7,086.99	7,677.03	7,321.04	7,145.69	7,776.11	7,702.91	8,273.32	8,218.67	8,233.11	8,707.48	9,113.12	9,546.07	9,952.23	8,051.65	9,024.34	9,450.09	24.64
A. Mineral Products	3,274.18	3,131.72	3,152.67	3,087.49	3,201.88	2,862.55	2,775.17	2,975.07	2,821.92	2,807.37	2,965.71	2,983.49	3,093.10	3,081.21	3,178.18	3,132.87	3,306.72	3,517.56	3,531.12	2,915.82	2,935.73	3,029.59	-7.47
B. Chemical Industry	582.56	603.24	565.70	600.61	546.56	583.54	590.17	582.72	579.50	585.61	589.70	541.95	553.66	595.00	589.62	559.25	593.00	525.08	593.32	539.08	607.80	631.56	8.41
C. Metal Production	3,724.96	3,688.72	3,158.74	3,165.48	3,431.94	3,941.84	3,721.65	4,119.24	3,919.62	3,752.71	4,220.70	4,177.48	4,626.55	4,542.46	4,465.32	5,015.35	5,213.40	5,503.43	5,827.79	4,596.75	5,480.81	5,788.94	55.41
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
E. Production of Halocarbons and SF6																							
F. Consumption of Halocarbons and SF6																							
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
3. Solvent and Other Product Use	279.30	233.48	185.15	185.98	170.76	189.95	173.16	191.87	173.82	159.76	192.62	204.10	218.14	221.26	188.85	212.99	250.73	228.07	210.69	153.46	176.89	173.19	-37.99
4. Agriculture																							
A. Enteric Fermentation																							
B. Manure Management																							
C. Rice Cultivation																							
D. Agricultural Soils																							
E. Prescribed Burning of Savannas																							
F. Field Burning of Agricultural Residues																							
G. Other																							
5. Land Use, Land-Use Change and Forestry	-9,968.16	-15,685.06	-10,886.83	-11,322.73	-10,189.25	-11,539.09	-8,432.56	-17,095.69	-15,199.62	-18,073.56	-14,972.68	-16,860.72	-10,916.88	-870.42	-5,927.75	-7,333.52	-1,523.82	-464.24	433.57	-3,589.07	-3,567.72	-3,542.18	-64.46
A. Forest Land	-11,862.92	-17,612.32	-12,869.02	-13,355.05	-12,196.39	-13,143.37	-10,012.15	-18,651.87	-16,725.50	-19,592.47	-16,452.00	-18,352.99	-12,651.32	-2,613.20	-7,695.76	-9,148.49	-3,333.89	-2,305.75	-1,410.95	-5,459.25	-5,411.09	-5,362.94	-54.79
B. Cropland	198.19	197.54	219.22	236.17	238.51	249.23	261.41	274.86	281.37	282.34	288.61	294.49	370.74	380.88	402.68	398.40	408.41	439.75	461.38	519.66	509.72	513.30	158.99
C. Grassland	353.68	348.22	342.85	337.43	347.77	149.32	162.21	175.14	188.10	193.55	198.99	204.56	396.82	398.14	399.09	400.67	399.63	401.25	399.96	375.73	368.75	362.92	2.61
D. Wetlands	191.08	205.66	220.24	234.82	242.09	241.34	248.79	256.24	263.70	274.63	285.56	296.49	313.96	324.24	335.06	329.47	332.01	346.88	345.94	347.46	355.78	353.61	85.06
E. Settlements	286.26	293.58	300.90	308.22	293.03	217.76	197.91	178.07	158.23	149.10	100.61	104.92	174.07	181.02	189.63	261.80	262.33	262.87	263.40	266.04	261.90	257.76	-9.96
F. Other Land	865.55	882.26	898.97	915.68	885.74	746.64	709.25	671.87	634.48	619.30	605.55	591.81	478.84	458.48	441.55	424.62	407.69	390.76	373.83	361.28	347.22	333.16	-61.51
G. Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
6. Waste	26.89	23.40	10.86	10.60	10.65	10.97	11.30	11.62	11.94	12.26	12.26	12.26	12.26	12.26	12.26	12.26	10.15	8.12	6.09	4.06	2.03	2.03	-92.45
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
B. Waste-water Handling																							
C. Waste Incineration	26.89	23.40	10.86	10.60	10.65	10.97	11.30	11.62	11.94	12.26	12.26	12.26	12.26	12.26	12.26	12.26	10.15	8.12	6.09	4.06	2.03	2.03	-92.45
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Total CO2 emissions including net CO2 from LULUCF	52,091.43	49,958.78	49,251.49	49,193.40	50,710.50	52,404.88	58,951.17	50,084.33	51,563.39	47,271.30	50,997.00	53,138.65	60,797.11	76,887.82	72,288.15	72,390.15	75,508.68	73,810.38	74,355.31	63,807.87	69,023.08	66,913.30	28.45
Total CO2 emissions excluding net CO2 from LULUCF	62,059.59	65,643.84	60,138.33	60,516.13	60,899.75	63,943.97	67,383.73	67,180.02	66,763.01	65,344.86	65,969.68	69,999.37	71,713.99	77,758.25	78,215.90	79,723.67	77,032.51	74,274.62	73,921.74	67,396.95	72,590.80	70,455.49	13.53
Memo Items:																							
International Bunkers	924.70	1,027.57	1,110.20	1,173.64	1,228.45	1,375.60	1,515.79	1,573.72	1,630.79	1,593.64	1,752.24	1,711.16	1,608.21	1,506.68	1,789.05	2,021.80	2,100.87	2,231.18	2,232.59	1,935.67	2,100.06	2,212.86	139.31
Aviation	885.97	993.88	1,077.44	1,139.98	1,185.65	1,327.42	1,466.42	1,525.57	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	2,181.97	1,893.40	2,049.55	2,168.44	144.75
Marine	38.72	33.70	32.77	33.66	42.80	48.17	49.37	48.15	52.58	51.98	56.66	59.88	67.36	53.71	64.12	61.97	51.99	55.38	50.62	42.27	50.51	44.43	14.73
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
CO2 Emissions from Biomass	9,927.77	10,814.86	10,576.17	11,145.84	10,753.83	11,454.01	12,189.91	11,755.98	11,514.85	13,213.80	12,477.53	13,552.81	12,508.81	12,985.42	13,152.82	16,553.92	17,540.02	19,358.17	20,828.33	21,260.95	23,978.12	23,302.33	134.72

Table 1(b)

AUT_BR1_v0.1

Emission trends (CH_4)

CRF: AUT_CRF__ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year*[a]	1991	1992	1993	1994	1995	1996	1997	1998	*1999*	2000	2001	2002	2003	2004	2005	2006	2007	2008	*2009*	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	%
1. Energy	31.97	33.78	32.80	32.56	30.43	31.22	31.91	27.39	26.61	26.11	25.17	25.09	23.78	23.41	23.55	23.79	22.91	22.41	22.39	22.16	23.55	22.17	-30.67
A. Fuel Combustion (Sectoral Approach)	22.01	23.91	22.07	21.74	19.99	20.45	21.18	16.60	16.01	16.06	15.11	15.22	14.05	13.77	13.14	13.31	12.16	11.52	11.65	10.99	11.99	10.71	-51.36
1. Energy Industries	0.16	0.18	0.15	0.16	0.15	0.16	0.18	0.19	0.18	0.17	0.16	0.19	0.20	0.24	0.27	0.26	0.29	0.30	0.32	0.36	0.40	0.43	165.93
2. Manufacturing Industries and Construction	0.34	0.37	0.37	0.36	0.39	0.40	0.42	0.43	0.42	0.42	0.44	0.46	0.46	0.53	0.58	0.61	0.62	0.62	0.66	0.64	0.68	0.71	110.10
3. Transport	3.07	3.40	3.38	3.38	3.31	3.08	2.77	2.48	2.42	2.11	1.92	1.80	1.76	1.67	1.50	1.33	1.16	1.02	0.86	0.77	0.71	0.64	-79.27
4. Other Sectors	18.44	19.95	18.17	17.84	16.15	16.81	17.81	13.50	12.98	13.35	12.59	12.77	11.62	11.33	10.79	11.11	10.08	9.58	9.82	9.22	10.21	8.93	-51.58
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.50
B. Fugitive Emissions from Fuels	9.96	9.87	10.73	10.83	10.44	10.78	10.73	10.79	10.61	10.05	10.06	9.87	9.74	9.64	10.41	10.48	10.75	10.89	10.74	11.17	11.56	11.46	15.05
1. Solid Fuels	0.55	0.48	0.40	0.39	0.32	0.31	0.27	0.27	0.28	0.27	0.30	0.29	0.33	0.28	0.08	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-93.67
2. Oil and Natural Gas	9.41	9.39	10.32	10.43	10.11	10.47	10.46	10.52	10.33	9.78	9.76	9.58	9.40	9.36	10.33	10.44	10.71	10.85	10.70	11.13	11.52	11.42	21.46
2. Industrial Processes	0.71	0.70	0.67	0.70	0.71	0.69	0.70	0.71	0.74	0.70	0.70	0.67	0.71	0.70	0.70	0.75	0.92	0.91	0.89	0.85	0.87	0.88	24.37
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
B. Chemical Industry	0.70	0.70	0.66	0.70	0.71	0.68	0.69	0.70	0.73	0.69	0.70	0.67	0.70	0.69	0.70	0.75	0.92	0.90	0.88	0.84	0.87	0.87	24.18
C. Metal Production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.83
D. Other Production																							
E. Production of Halocarbons and SF6																							
F. Consumption of Halocarbons and SF6																							
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
3. Solvent and Other Product Use																							
4. Agriculture	199.63	196.68	188.75	188.92	188.81	192.07	188.83	185.58	184.20	182.06	180.63	178.29	174.45	172.68	172.33	170.27	169.63	170.34	169.67	171.78	171.33	169.04	-15.32
A. Enteric Fermentation	178.73	176.11	168.77	168.70	168.90	172.08	169.32	166.32	165.07	163.65	162.71	160.48	157.20	155.71	155.69	153.74	153.23	153.84	153.52	155.49	155.06	153.08	-14.35
B. Manure Management	20.52	20.18	19.61	19.70	19.46	19.50	19.02	18.76	18.63	17.90	17.42	17.33	16.83	16.52	16.20	16.12	15.94	16.03	15.70	15.83	15.78	15.49	-24.50
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
D. Agricultural Soils	0.33	0.33	0.31	0.47	0.40	0.44	0.45	0.45	0.45	0.45	0.45	0.43	0.38	0.41	0.37	0.37	0.41	0.42	0.41	0.42	0.46	0.44	33.83
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.04	0.03	-45.06
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.03	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.03	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	-78.00
A. Forest Land	0.03	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.03	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	-78.00
B. Cropland	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
6. Waste	163.20	162.62	158.13	155.73	147.17	138.86	130.94	124.20	119.16	113.79	108.97	104.93	105.40	107.30	100.80	94.98	90.55	85.08	78.86	73.17	67.96	63.34	-61.19
A. Solid Waste Disposal on Land	157.82	157.23	152.77	150.35	141.80	133.61	125.98	119.60	114.85	109.68	105.05	101.08	101.64	103.62	96.84	91.00	86.63	81.16	75.05	69.43	64.29	59.66	-62.20
B. Waste-water Handling	4.85	4.84	4.70	4.56	4.39	4.21	3.87	3.53	3.19	2.93	2.68	2.43	2.18	1.95	1.79	1.64	1.48	1.39	1.30	1.20	1.11	1.11	-77.12
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-98.41
D. Other	0.52	0.55	0.65	0.82	0.98	1.04	1.09	1.08	1.12	1.18	1.24	1.41	1.58	1.74	2.16	2.33	2.44	2.52	2.51	2.53	2.57	2.57	394.67
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Total CH4 emissions including CH4 from LULUCF	395.54	393.78	380.36	377.92	367.13	362.84	352.38	337.88	330.72	322.66	315.47	308.98	304.37	304.12	297.38	289.80	284.02	278.74	271.82	267.96	263.72	255.43	-35.42
Total CH4 emissions excluding CH4 from LULUCF	395.51	393.78	380.35	377.90	367.13	362.84	352.38	337.88	330.71	322.65	315.47	308.98	304.34	304.09	297.38	289.79	284.01	278.74	271.81	267.95	263.72	255.43	-35.42
Memo Items:																							
International Bunkers	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.04	0.04	0.05	194.23
Aviation	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	220.45
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.85
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
CO2 Emissions from Biomass																							

Table 1(c)

AUT_BR1_v0.1

Emission trends (N_2O)

CRF: AUT_CRF__ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1991	1992	1993	1994	1995	1996	1997	1998	*1999*	2000	2001	2002	2003	2004	2005	2006	2007	2008	*2009*	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	%
1. Energy	1.79	2.00	1.97	2.04	2.06	2.13	2.24	2.20	2.32	2.35	2.36	2.45	2.48	2.56	2.55	2.66	2.56	2.50	2.43	2.28	2.35	2.23	24.46
A. Fuel Combustion (Sectoral Approach)	1.79	2.00	1.97	2.04	2.06	2.13	2.24	2.20	2.32	2.35	2.36	2.45	2.48	2.56	2.55	2.66	2.56	2.50	2.43	2.28	2.35	2.23	24.46
1. Energy Industries	0.15	0.17	0.14	0.14	0.14	0.16	0.15	0.15	0.17	0.16	0.16	0.19	0.19	0.22	0.24	0.27	0.29	0.31	0.33	0.32	0.39	0.38	156.73
2. Manufacturing Industries and Construction	0.26	0.28	0.28	0.30	0.31	0.32	0.35	0.36	0.37	0.41	0.43	0.43	0.40	0.42	0.43	0.50	0.51	0.52	0.52	0.48	0.50	0.50	90.83
3. Transport	0.62	0.73	0.77	0.81	0.86	0.87	0.90	0.88	0.98	0.95	0.98	1.01	1.09	1.13	1.10	1.08	1.00	0.95	0.85	0.79	0.75	0.69	10.39
4. Other Sectors	0.76	0.81	0.79	0.79	0.75	0.78	0.83	0.81	0.80	0.82	0.78	0.82	0.79	0.79	0.78	0.81	0.76	0.72	0.73	0.68	0.71	0.66	-12.89
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.22
B. Fugitive Emissions from Fuels	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	0.00
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
2. Oil and Natural Gas	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	0.00
2. Industrial Processes	2.94	2.99	2.70	2.83	2.66	2.77	2.82	2.78	2.89	2.98	3.07	2.54	2.60	2.85	0.91	0.88	0.90	0.87	1.05	0.53	0.20	0.15	-94.76
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
B. Chemical Industry	2.94	2.99	2.70	2.83	2.66	2.77	2.82	2.78	2.89	2.98	3.07	2.54	2.60	2.85	0.91	0.88	0.90	0.87	1.05	0.53	0.20	0.15	-94.76
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
D. Other Production																							
E. Production of Halocarbons and SF6																							
F. Consumption of Halocarbons and SF6																							
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
3. Solvent and Other Product Use	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.71	0.67	0.64	0.60	0.56	0.53	0.52	0.51	0.47	0.48	0.49	-35.05
4. Agriculture	14.08	14.89	13.94	13.17	14.81	15.12	13.81	13.95	14.06	13.81	13.28	13.29	13.22	12.67	12.36	12.38	12.54	12.71	13.20	12.99	12.48	12.99	-7.72
A. Enteric Fermentation																							
B. Manure Management	3.01	3.01	2.93	2.96	2.98	3.08	3.04	3.04	3.04	3.03	2.98	2.98	2.93	2.94	2.95	2.93	2.93	2.96	2.97	3.00	3.02	2.98	-1.00
C. Rice Cultivation																							
D. Agricultural Soils	11.06	11.88	11.00	10.21	11.82	12.04	10.76	10.91	11.01	10.78	10.30	10.31	10.28	9.73	9.41	9.45	9.61	9.75	10.23	9.99	9.46	10.01	-9.55
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-50.48
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.12	0.14	0.15	0.16	0.16	0.16	23.75
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-78.00
B. Cropland	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.12	0.14	0.15	0.16	0.16	0.16	24.09
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
E. Settlements	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
F. Other Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
6. Waste	0.43	0.43	0.43	0.43	0.49	0.55	0.61	0.63	0.68	0.74	0.83	0.93	0.95	0.97	1.03	1.09	1.15	1.18	1.19	1.20	1.21	1.21	182.19
A. Solid Waste Disposal on Land																							
B. Waste-water Handling	0.35	0.35	0.33	0.32	0.36	0.40	0.45	0.49	0.53	0.58	0.66	0.74	0.74	0.73	0.73	0.77	0.81	0.83	0.84	0.85	0.85	0.86	142.89
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-95.78
D. Other	0.08	0.08	0.09	0.12	0.14	0.14	0.15	0.15	0.15	0.16	0.17	0.19	0.22	0.24	0.30	0.32	0.34	0.35	0.35	0.35	0.35	0.36	365.69
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Total N2O emissions including N2O from LULUCF	20.13	21.19	19.92	19.36	20.91	21.44	20.34	20.44	20.82	20.74	20.41	20.04	20.04	19.81	17.56	17.69	17.81	17.91	18.53	17.62	16.88	17.24	-14.34
Total N2O emissions excluding N2O from LULUCF	19.99	21.06	19.79	19.23	20.78	21.31	20.22	20.32	20.70	20.62	20.29	19.92	19.93	19.69	17.45	17.57	17.68	17.77	18.37	17.46	16.72	17.08	-14.59
Memo Items:																							
International Bunkers	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.07	0.08	0.09	0.09	0.09	0.09	0.08	0.09	0.09	99.31
Aviation	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.05	0.06	0.06	0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.06	0.07	0.07	135.72
Marine	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	16.01
Multilateral Operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00
CO2 Emissions from Biomass																							

Table 1(d)

AUT_BR1_v0.1

Emission trends (HFCs, PFCs and SF_6)

CRF: AUT_CRF__ v1.3

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	*Base year* [a]	1991	1992	1993	1994	1995	1996	1997	1998	*1999*	2000	2001	2002	2003	2004	2005	2006	2007	2008	*2009*	2010	2011	Change from base to latest reported year
	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	kt	kt	kt	kt	kt	kt	kt	*kt*	kt	kt	%
Emissions of HFCsc - (kt CO2 eq)	22.55	24.73	26.51	237.01	260.33	339.64	392.57	460.99	555.40	632.48	646.82	773.86	874.78	952.51	1,020.17	997.37	1,004.15	1,042.65	1,082.02	1,134.26	1,285.65	1,349.01	5,882.27
HFC-23	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.05	100.00
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-43-10mee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	-100.00
HFC-125	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.12	0.13	100.00
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-134a	0.02	0.02	0.02	0.17	0.18	0.23	0.26	0.30	0.35	0.38	0.30	0.34	0.35	0.39	0.43	0.41	0.38	0.39	0.40	0.39	0.43	0.45	2,823.34
HFC-152a	NA, NO	NA, NO	NA, NO	0.07	0.08	0.08	0.09	0.10	0.10	0.10	0.60	0.61	0.95	0.64	0.43	0.20	0.25	0.25	0.09	0.13	0.13	NA, NO	0.00
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-143a	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.09	100.00
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,471,455.33
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed HFCsd - (kt CO_2 eq)	1.93	3.07	4.44	5.81	7.18	8.53	9.74	9.43	2.96	3.23	3.85	4.14	4.05	3.88	4.06	3.98	5.03	7.07	7.39	1.71	1.62	1.63	-15.42
Emissions of PFCsc - (kt CO2 eq)	1,079.24	1,087.08	462.32	52.57	58.30	68.39	65.92	96.48	44.40	64.19	67.46	90.03	83.46	102.20	125.49	125.04	136.94	183.72	167.13	28.64	63.93	60.07	-94.43
CF_4	0.14	0.14	0.05	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	-100.00
C_2F_6	0.02	0.02	0.01	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	-100.00
C 3F8	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00	0.00	0.00	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
C_4F_{10}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
c-C_4F_8	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
C_5F_{12}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
C_6F_{14}	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO_2 equivalent)	29.05	36.89	44.73	52.57	58.30	68.39	65.92	96.48	44.40	64.19	67.46	90.03	83.46	102.20	125.49	125.04	135.50	182.55	166.39	28.64	63.93	60.07	106.78
Emissions of SF6(3) - (Gg CO2 equivalent)	493.37	643.82	687.97	779.93	970.88	1,153.20	1,233.69	1,138.81	911.84	708.98	602.25	659.69	642.89	575.58	507.07	517.12	474.88	384.22	390.87	357.54	351.50	321.53	-34.83
SF_6	0.02	0.03	0.03	0.03	0.04	0.05	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	-34.83

Table 2(a) AUT_BR1_v0.1

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 20.00	% of 1990 [b]
Period for reaching target	BY-2020	

Table 2(b) AUT_BR1_v0.1

Description of quantified economy-wide emission reduction target: gases

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)	

Table 2(c) AUT_BR1_v0.1

Description of quantified economy-wide emission reduction target: global

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

Custom Footnotes

The Global Warming Potentials used to aggregate EU GHG emissions up to 2020 under existing EU legislation are those based on the 2nd Assessment Report of the Intergovernmental Panel of Climate Change (IPCC AR2). The EU welcomes decision xx/CP.177, taken in Durban, which reflects recent scientific developments (IPCC AR4). The implications of this decision for EU legislation are currently under review.

Table 2(d) AUT_BR1_v0.1

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	

Table 2(e)I AUT_BR1_v0.1

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

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]	

Table 2(e)II AUT_BR1_v0.1

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)*

Table 2(f) ⌈_BR1_v0.1

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

The EU and its Member States communicated an independent quantified economy-wide emission reduction target of a 20 per cent emission reduction by 2020 compared with 1990 levels. This is documented in the UNFCCC document FCCC/SB/2011/INF.1/Rev.1 of 7 June 2011. No individual target for Austria is included in document FCCC/SB/2011/INF.1/Rev.1, as this 20 % reduction target will be fulfilled jointly by the EU and its Member States.

Table 3 AUT_BR1_v0.1

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 implem.*	*Implementing entity or entities*	*Mitigation impact (kt CO2 eq)*
									2020
EU Emission Trading Scheme (ETS)	Cross-cutting	CO_2, N_2O	Limit CO2 emissions from energy intensive stationary installations and aviation	Economic|Regulatory|Other (Flexibel mechanism)	Implemented	See Chapter 4 of Austria's Sixth National Communication	2005	Federation, EU	NE
The Doemstic Environmental Support Scheme	Cross-cutting	CH_4, CO_2, N_2O	Financial support to GHG mitigation projects (energy efficiency, renewables, waste,…)	Fiscal	Implemented	See Chapter 4 of Austria's Sixth National Communication	2000	Federation	0.25
Austrian Climate and Energy Fund (KLI.EN)	Cross-cutting	CH_4, CO_2, HFCs, N_2O, PFCs, SF_6	Financial support for R&D (RES, mobility), market penetration of new technologies	Other (Research)	Implemented	See Chapter 4 of Austria's Sixth National Communication	2007	Federation	NE
Austrian JI/CDM Programme	Cross-cutting	CH_4, CO_2, N_2O, PFCs, SF_6	Public purchase of ERUs and CERs	Other (flexible instrument)	Implemented	See Chapter 4 of Austria's Sixth National	2003	Federation	NE
Green Electricity Act	Energy	CO_2	Feed-in tariffs promoting power generation from renewable energy sources	Other (Regulatory)	Implemented	See Chapter 4 of Austria's Sixth National Communication	2002	Federation	0.40
District Heating from Renewables	Energy	CO_2	Subsidy for biomass district heating systems (Environment Support Scheme, co-finance by Länder, EU structural fund)	Fiscal	Implemented	See Chapter 4 of Austria's Sixth National Communication	2000	Federation, Länder, EU	NE

Improved building standards	Energy	CO_2	Improving energy standard of new and renovated buildings; “nearly zero energy houses” by 2020	Regulatory	Adopted	See Chapter 4 of Austria's Sixth National Communication	2013	Länder, Federation	NE
Financial support for climate-friendly construction and renovation	Energy	CO_2	Housing support for highly efficient new houses and thermal renovation; renewable energy systems for heating and hot water	Economic	Implemented	See Chapter 4 of Austria's Sixth National Communication	2000	Länder, Federation	1.20
Renovation cheque	Energy	CO_2	Subsidy for thermal renovation in private residential and commercial buildings	Economic	Implemented	See Chapter 4 of Austria's Sixth National Communication	2009	Federation	
Fuel consumption based taxation (NOVA)	Transport	CO_2	Tax giving a clear incentive to buy energy efficient, low polluting cars; Greening of NOVA in 2008 for alternative fuel & hybdrid vehicles	Fiscal	Implemented	See Chapter 4 of Austria's Sixth National Communication	1992	Federation	0.10
Implementation of the renewable energy targets for transport in Austria	Transport	CO_2	Increase share of biofuels in the market	Regulatory	Implemented	See Chapter 4 of Austria's Sixth National Communication	2005	Federation	2.10
klima:aktiv mobil programme	Transport	CO_2, CH_4, N_2O	Mobility management in companies, in public administration, leisure- & tourism-traffic, in schools, for cities, communities & regions	Economic|Education|Information	Implemented	See Chapter 4 of Austria's Sixth National Communication	2004	Federation, Länder	NE

Enhanced fuel efficiency of cars	Transport	CO_2, N_2O	Raising the market share of advanced engine technologies with low fuel consumption (passenger and light commercial vehicles)	Regulatory	Implemented	See Chapter 4 of Austria's Sixth National Communication	2010	EU	1.70
National plan on electric mobility	Transport	CO_2, N_2O	65 measures to increase market share of electric vehicles in and from Austria	Economic|Information|Research	Adopted	See Chapter 4 of Austria's Sixth National Communication	2010	Federation (Min. Econ, Env. and Transport)	0.40
Landfill ordinance	Waste management/waste	CH_4	Reduction of the deposition of untreated deposited waste	Regulatory	Implemented	See Chapter 4 of Austria's Sixth National Communication	1996	Länder	NE
Landfill ordinance	Waste management/waste	CH_4	Mandatory collection and drainage of landfill gas originating from mass-waste landfills	Regulatory	Implemented	See Chapter 4 of Austria's Sixth National Communication	1997	Länder	NE
Remediation of contaminated sites act	Waste management/waste	CH_4	Finance and manage the clean-up of former landfills and old waste dumps	Fiscal	Implemented	See Chapter 4 of Austria's Sixth National Communication	1990	Federation	NE
Austrian F-Gas Ordinance	Industry/industrial processes	HFCs, PFCs, SF_6	Reducing and/or phasing-out the use of HFCs, PFCs and SF6 in all relevant applications on the basis of the Federal Chemicals Act	Other (Regulatory)	Implemented	See Chapter 4 of Austria's Sixth National Communication	2003	Federation	0.07

New EU F-Gas Regulation	Industry/industrial processes	HFCs, PFCs, SF_6	Aims to reduce emissions of fluorinated greenhouse gases (mainly) in stationary applications through application-specific requirements covering all stages of the life cycle of F-Gases.	Regulatory	Adopted	See Chapter 4 of Austria's Sixth National Communication	2014/15	EU	NE
Organic farming and environmental sound farming	Agriculture	CH_4, CO_2, N_2O	increase share of farmland used for organic farming to 20 % (within the given budget of the programme for rural development)	Other (Information)	Implemented	See Chapter 4 of Austria's Sixth National Communication	1990	Federation	NE
Common Agricultural Policy	Agriculture	CH_4, CO_2, N_2O	reduction of environmental impacts from agricultural activity: rural development, horizontal issues, direct payments for farmers, market measures	Economic	Adopted	See Chapter 4 of Austria's Sixth National Communication	2014	EU, Federation	NE
Agricultural raw materials for biofuels	Agriculture	CO_2, N_2O	Promotion of raw materials for production of biofuels	Economic	Implemented	See Chapter 4 of Austria's Sixth National Communication	2010	Federation	NA
Maintenance and extension of vital forests	Forestry/LULUCF	CO_2	Maintaining biodiversity, productivity, regeneration, capacity and vitality of forests	Regulatory|Research|Information	Implemented	See Chapter 4 of Austria's Sixth National Communication	1990	Federation, Länder	NE

Table 4 AUT_BR1_v0.1

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)	78,156.70					
2010	85,012.22					
2011	82,841.60					
2012						

Custom Footnotes

The EU's quantified economy-wide emission reduction target according to document FCCC/SB/2011/INF.1/Rev.1 does not include emissions/removals from LULUCF

Table 4(b) AUT_BR1_v0.1

Reporting on progress[a, b, c]

Units of market based mechanisms			*Year*	
			2011	*2012*
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)		

Custom Footnotes

Please note that Austria's Biennial Report covers progress with respect to the quantified economy-wide emission reduction target in document FCCC/SB/2011/INF.1/Rev.1 and does not cover other targets like the Kyoto Protocol target. Information relevant for the progress towards the Kyoto target is already reported annually according to the reporting obligations of the Kyoto Protocol.

Table 5 AUT_BR1_v0.1

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

Key underlying assumptions		*Historical*[b]						Projected			
Assumption	*Unit*	*1990*	*1995*	2000	2005	2010	2011	2015	2020	2025	2030
GDP growth rate	*%*					3.70		1.50	1.50	1.50	1.50
Population	thousands					8,382.00		8,555.00	8,733.00	8,889.00	9,034.00
Stock iof dwellings	thousands					3,683.00		3,820.00	3,957.00	4,096.00	4,166.00
International oil price	USD/bbl					99.20		105.00	109.00	113.00	116.00
International coal price	USD / t					78.10		106.00	118.00	127.00	135.00
International gas price	*EUR / GJ*					7.10		9.30	10.40	11.30	11.90

Table 6(a) AUT_BR1_v0.1

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

	GHG emissions and removals[b] *(kt CO_2 eq)*							GHG emission projections (kt CO_2 eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector[d,e]									
Energy	28,596.07	28,596.07	28,065.14	26,279.36	30,540.79	26,698.54	25,239.66	21,690.80	21,109.63
Transport	14,029.13	14,029.13	16,010.36	18,965.49	25,042.61	22,451.00	21,750.07	23,800.48	23,964.97
Industry/industrial processes	23,389.16	23,389.16	23,839.34	24,487.28	27,554.76	26,593.96	26,568.74	27,283.67	30,426.29
Agriculture	8,556.70	8,556.70	8,719.60	7,909.85	7,414.05	7,466.75	7,577.10	7,732.63	7,686.65
Forestry/LULUCF	-9,926.54	-9,926.54	-11,499.84	-14,935.76	-7,297.47	-3,517.69	-3,491.28	5,031.06	5,031.06
Waste management/waste	3,587.28	3,587.28	3,096.47	2,558.17	2,344.70	1,804.00	1,708.31	1,127.99	846.53
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	52,091.43	52,091.43	52,404.88	50,997.00	72,390.15	69,023.08	66,913.30	74,962.90	77,703.51
CO_2 emissions excluding net CO_2 from LULUCF	62,059.59	62,059.59	63,943.97	65,969.68	79,723.67	72,590.80	70,455.49	69,981.87	72,722.48
CH_4 emissions including CH_4 from LULUCF	8,306.26	8,306.26	7,619.69	6,624.97	6,085.75	5,538.16	5,364.11	5,016.03	4,797.51
CH_4 emissions excluding CH_4 from LULUCF	8,305.68	8,305.68	7,619.60	6,624.85	6,085.66	5,538.02	5,363.98	5,015.89	4,797.37
N_2O emissions including N_2O from LULUCF	6,238.95	6,238.95	6,645.27	6,325.90	5,484.00	5,234.23	5,344.57	5,193.36	5,031.23
N_2O emissions excluding N_2O from LULUCF	6,197.91	6,197.91	6,606.11	6,289.10	5,448.03	5,184.34	5,293.79	5,143.47	4,981.34
HFCs	22.55	22.55	339.64	646.82	997.37	1,285.65	1,349.01	1,153.13	1,208.57
PFCs	1,079.24	1,079.24	68.39	67.46	125.04	63.93	60.07	71.00	74.00
SF_6	493.37	493.37	1,153.20	602.25	517.12	351.50	321.53	270.20	250.31
Other (specify)									
Total with LULUCF[f]	68,231.80	68,231.80	68,231.07	65,264.40	85,599.43	81,496.55	79,352.59	86,666.62	89,065.13
Total without LULUCF	78,158.34	78,158.34	79,730.91	80,200.16	92,896.89	85,014.24	82,843.87	81,635.56	84,034.07

Table 6(c) AUT_BR1_v0.1

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

	GHG emissions and removals[b] *(kt CO_2 eq)*							GHG emission projections (kt CO_2 eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector[d,e]									
Energy	28,596.07	28,596.07	28,065.14	26,279.36	30,540.79	26,698.54	25,239.66	21,182.52	19,549.76
Transport	14,029.13	14,029.13	16,010.36	18,965.49	25,042.61	22,451.00	21,750.07	21,111.30	21,246.61
Industry/industrial processes	23,389.16	23,389.16	23,839.34	24,487.28	27,554.76	26,593.96	26,568.74	26,618.84	28,990.80
Agriculture	8,556.70	8,556.70	8,719.60	7,909.85	7,414.05	7,466.75	7,577.10	7,461.48	7,429.90
Forestry/LULUCF	-9,926.54	-9,926.54	-11,499.84	-14,935.76	-7,297.47	-3,517.69	-3,491.28	5,031.06	5,031.06
Waste management/waste	3,587.28	3,587.28	3,096.47	2,558.17	2,344.70	1,804.00	1,708.31	1,127.99	846.53
Other (specify)									
Gas									
CO_2 emissions including net CO_2 from LULUCF	52,091.43	52,091.43	52,404.88	50,997.00	72,390.15	69,023.08	66,913.30	71,202.84	72,101.19
CO_2 emissions excluding net CO_2 from LULUCF	62,059.59	62,059.59	63,943.97	65,969.68	79,723.67	72,590.80	70,455.49	66,221.81	67,120.16
CH_4 emissions including CH_4 from LULUCF	8,306.26	8,306.26	7,619.69	6,624.97	6,085.75	5,538.16	5,364.11	4,966.82	4,746.39
CH_4 emissions excluding CH_4 from LULUCF	8,305.68	8,305.68	7,619.60	6,624.85	6,085.66	5,538.02	5,363.98	4,966.68	4,746.25
N_2O emissions including N_2O from LULUCF	6,238.95	6,238.95	6,645.27	6,325.90	5,484.00	5,234.23	5,344.57	4,959.21	4,804.19
N_2O emissions excluding N_2O from LULUCF	6,197.91	6,197.91	6,606.11	6,289.10	5,448.03	5,184.34	5,293.79	4,909.32	4,754.30
HFCs	22.55	22.55	339.64	646.82	997.37	1,285.65	1,349.01	1,063.13	1,118.57
PFCs	1,079.24	1,079.24	68.39	67.46	125.04	63.93	60.07	71.00	74.00
SF_6	493.37	493.37	1,153.20	602.25	517.12	351.50	321.53	270.20	250.31
Other (specify)									
Total with LULUCF[f]	68,231.80	68,231.80	68,231.07	65,264.40	85,599.43	81,496.55	79,352.59	82,533.20	83,094.65
Total without LULUCF	78,158.34	78,158.34	79,730.91	80,200.16	92,896.89	85,014.24	82,843.87	77,502.14	78,063.59

Table 7

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

Allocation channels	*Year*									
	European euro - EUR					*USD*[b]				
	Core/ general[c]	*Climate-specific*[d]				*Core/ general*[c]	*Climate-specific*[d]			
		Mitigation	*Adaptation*	*Cross-cutting*[e]	*Other*[f]		*Mitigation*	*Adaptation*	*Cross-cutting*[e]	*Other*[f]
Total contributions through multilateral channels:			2.80	10.02				3.89	13.93	
Multilateral climate change funds[g]										
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks			2.80	10.02				3.89	13.93	
Specialized United Nations bodies										
Total contributions through bilateral, regional and other channels		8.92	7.82	3.93			12.35	10.87	5.48	
Total		8.92	10.62	13.95			12.35	14.76	19.41	

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

Allocation channels	*Year*									
	European euro - EUR					*USD*[b]				
	Core/ general[c]	*Climate-specific*[d]				*Core/ general*[c]	*Climate-specific*[d]			
		Mitigation	*Adaptation*	*Cross-cutting*[e]	*Other*[f]		*Mitigation*	*Adaptation*	*Cross-cutting*[e]	*Other*[f]
Total contributions through multilateral channels:		2.00		10.40			2.57		13.35	
Multilateral climate change funds[g]										
Other multilateral climate change funds[h]										
Multilateral financial institutions, including regional development banks		2.00		10.40			2.57		13.35	
Specialized United Nations bodies										
Total contributions through bilateral, regional and other channels		12.87	10.44	9.39			16.49	13.38	12.07	
Total		14.87	10.44	19.79			19.06	13.38	25.42	

Documentation Box:

A clarification how resources have been determinded as new and additional is contained in Chapter 7 of Austria's Sixth National Communication.

Table 7(a)

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

Donor funding	*Total amount*				*Status*[b]	*Funding source*[f]	*Financial instrument*[f]	*Type of support*[f, g]	*Sector*[c]
	Core/general[d]		*Climate-specific*[e]						
	European euro - EUR	*USD*	*European euro - EUR*	*USD*					
Total contributions through multilateral channels			12.82	17.82					
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			10.70	14.87					
1. World Bank									
2. International Finance Corporation			3.90	5.42	Committed	ODA	Grant	Cross-cutting	Cross-cutting
3. African Development Bank			4.00	5.56	Committed	ODA	Grant	Cross-cutting	Energy
4. Asian Development Bank									
5. European Bank for Reconstruction and Development			2.80	3.89	Committed	ODA	Grant	Adaptation	Cross-cutting
6. Inter-American Development Bank									
7. Other			2.12	2.95	Committed	ODA	Grant	Cross-cutting	Energy
Specialized United Nations bodies									
1. United Nations Development Programme									
2. United Nations Environment Programme									
3. Other									

Table 7(a)

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

Donor funding	*Total amount*				*Status*[b]	*Funding source*[f]	*Financial instrument*[f]	*Type of support*[f, g]	*Sector*[c]
	Core/general[d]		*Climate-specific*[e]						
	European euro - EUR	*USD*	*European euro - EUR*	*USD*					
Total contributions through multilateral channels			12.40	15.92					
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			12.40	15.92					
1. World Bank			0.90	1.15	Committed	ODA	Grant	Cross-cutting	Energy
2. International Finance Corporation			3.80	4.88	Committed	ODA	Grant	Cross-cutting	Cross-cutting
3. African Development Bank									
4. Asian Development Bank									
5. European Bank for Reconstruction and Development			5.70	7.32	Committed	ODA	Grant	Cross-cutting	Cross-cutting
6. Inter-American Development Bank			2.00	2.57	Committed	ODA	Grant	Mitigation	Energy
7. Other									
Specialized United Nations bodies									
1. United Nations Development Programme									
2. United Nations Environment Programme									
3. Other									

Table 7(b)

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

Recipient country/ region/project/programme [b]	*Total amount*		*Status* [c]	*Funding source* [g]	*Financial instrument* [g]	*Type of support* [g, h]	*Sector* [d]	*Additional information* [e]
	Climate-specific [f]							
	European euro - EUR	*USD*						
Total contributions through bilateral, regional and other channels	20.67	28.70						
Africa (regional) - Water, climate and development programme in Africa	1.50	2.08	Committed	ODA	Grant	Adaptation	Water	
Bilateral unallocated - contribution to the Lucerne World Mountain Conference on sustainable mountain development	0.02	0.03	Committed	ODA	Grant	Adaptation	CC	
Burkina Faso - COGEL - Strengthening of public and private capacities	1.60	2.22	Committed	ODA	Grant	Adaptation	CC	
Cape Verde - Monitoring of sector budget support for environment in Cape Verde 2011	0.02	0.03	Committed	ODA	Grant	Adaptation	CC	
Indonesia - Austrian Soft Loan Programme to support sustainable projects in developing countries	2.30	3.20	Committed	ODA	Conc Loan / Grant	Adaptation	CC	
Nepal - SAMRAKSHAN - community based disaster prevention and preparedness, Western Nepal	0.53	0.73	Committed	ODA	Grant	Adaptation	CC	
South and central Asia - Disaster prevention and preparedness measures to reduce poverty risks in Tajikistan, Afghanistan and Kyrgyz Republic	0.85	1.18	Committed	ODA	Grant	Adaptation	CC	
Sub-Saharan Africa - Water catchment project	1.00	1.40	Committed	ODA	Grant	Adaptation	Water	
Bilateral (unallocated) - Environment for development, strengthening of the international dialogue and capacity development	0.02	0.03	Committed	ODA	Grant	CC	CC	
Bilateral unallocated - GFSE energy conference - energy between Danube and Caucasus, costs for participants from ODA countries	0.04	0.05	Committed	ODA	Grant	CC	CC	
Ethiopia - Sustainable resource management and rural development in North Gondar	2.87	4.00	Committed	ODA	Grant	CC	CC	
Global - Sustainable Business Indicators	1.00	1.40	Committed	ODA	Grant	CC	CC	
Argentina - Workshop on silvopastoral activities	0.01	0.01	Committed	ODA	Grant	Mitigation	Forestry (REDD+)	
Asia - Energy for All Initiative	2.00	2.78	Committed	ODA	Grant	Mitigation	Energy	
Burkina Faso - Electrification of Beiga Primary School	0.01	0.01	Committed	ODA	Grant	Mitigation	Energy	
Bhutan - Contribution to rural electrification VII - Soe and Lingzhi	1.80	2.50	Committed	ODA	Grant	Mitigation	Energy	
Central Asia - ADC contribution to FLEGT (Forest Law Enforcement and Governance) in Armenia und Georgia	0.30	0.41	Committed	ODA	Grant	Mitigation	Forestry	
Egypt - Business partnership program: Adaptation for solar energy systems for the Egypt market and requirements	0.20	0.27	Committed	ODA	Grant	Mitigation	Energy	
Ethiopia - REDD+ in North Gondar region	0.03	0.04	Committed	ODA	Grant	Mitigation	Forestry (REDD+)	
Georgia - Afforestation project	1.50	2.08	Committed	ODA	Grant	Mitigation	Forestry	
Latin America - Sustainable forestry management	1.00	1.40	Committed	ODA	Grant	Mitigation	Forestry	
Nicaragua - Business partnership program: afforestation for Teakwood production in Chinandega, Nicaragua	0.20	0.27	Committed	ODA	Grant	Mitigation	Forestry	

North and central America - Cash contribution to Energy & Environment Partnership for Central America (EEP) - phase 2010-2012	0.60	0.83	Committed	ODA	Grant	Mitigation	Energy	
Peru – Las Orquiedas	0.05	0.07	Committed	ODA	Grant	Mitigation	Energy	
Serbia - Business partnership program: Belgrade EcoProfit Project - Cleaner Production Advisors for SMEs	0.10	0.14	Committed	ODA	Grant	Mitigation	CC	
South Africa - Solar technical education and training in South-Africa	0.20	0.27	Committed	ODA	Grant	Mitigation	Energy	
South-East Europe – Natural resource management	0.70	0.97	Committed	ODA	Grant	Mitigation	Forestry	
Sub-Saharan Africa – BIRD Study	0.02	0.03	Committed	ODA	Grant	Mitigation	Energy	
Uzbekistan - Business partnership program: Drying and manufacturing of organic fruit, vegetables and nuts - programme for Fairtrade-certification	0.20	0.27	Committed	ODA	Grant	Mitigation	Agriculture	

Table 7(b)

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

Recipient country/ region/project/programme [b]	*Total amount*		*Status* [c]	*Funding source* [g]	*Financial instrument* [g]	*Type of support* [g, h]	*Sector* [d]	*Additional information* [e]
	Climate-specific [f]							
	European euro - EUR	*USD*						
Total contributions through bilateral, regional and other channels	32.70	41.94						
Burkina Faso - Strengthening capacities of the federation of local agricultural cooperatives in western Burkina Faso	0.70	0.90	Committed	ODA	Grant	Adaptation	Agriculture	
Burkina Faso - Improvement of resilience and food security in rural areas in Burkina Faso	1.74	2.23	Committed	ODA	Grant	Adaptation	CC	
Caribbean - Mainstreaming of climate change adaptation into Caribbean DRR Plans (phase II)	0.51	0.65	Committed	ODA	Grant	Adaptation	CC	
DR Congo - Re-establishment of a Biosphere Park	0.48	0.61	Committed	ODA	Grant	Adaptation	Forestry	
Ethiopia - Conservation of the “Yayu Coffee Forest Biosphere Reserve“	0.41	0.52	Committed	ODA	Grant	Adaptation	Forestry	
Global - Klimabündnis projects	1.20	1.54	Committed	ODA	Grant	Adaptation	CC	
Global - Global Facility for Disaster Reduction and Recovery - Track II	0.43	0.55	Committed	ODA	Grant	Adaptation	CC	
Laos - Management of the protected areas in the Phouchomvoy province	0.50	0.64	Committed	ODA	Grant	Adaptation	CC	
Moldova - Improving water management and protection of water-related ecosystems in the Lower Dniester Ramsar	0.32	0.41	Committed	ODA	Grant	Adaptation	Water	
South & Central Asia multi-country - Framework programme Austrian Red Cross	0.95	1.22	Committed	ODA	Grant	Adaptation	CC	
South of Sahara multi-country - Contribution to the Sahel and West Africa Club - Programme of Work 2013-14	0.40	0.51	Committed	ODA	Grant	Adaptation	CC	
Sub-Saharan Africa - Water, climate and development programme in Africa	1.50	1.93	Committed	ODA	Grant	Adaptation	Water	
Western Balkans, Moldova - ENVSEC: Transforming Environmental and Security Risks into Cooperation in the South Eastern European Region (Phase II), and Climate Change and Security in Dniester River Basin	1.30	1.67	Committed	ODA	Grant	Adaptation	Water	
Burkina Faso - Addressing adverse impacts of climate change through technical cooperation	0.50	0.64	Committed	ODA	Grant	CC	CC	
Burkina Faso - Consolidation of local environmental governance (COGEL)	1.40	1.80	Committed	ODA	Grant	CC	CC	
Ethiopia - Contribution to the "Climate Resilient Green Economy (CRGE) Facility"	0.63	0.81	Committed	ODA	Grant	CC	CC	
Georgia - Reducing emissions from deforestation and forest degradation in forests damaged by wildfires	1.50	1.93	Committed	ODA	Grant	CC	Forestry	
Global - Climate change action in developing countries with fragile mountainous ecosystems	1.75	2.25	Committed	ODA	Grant	CC	CC	
Kyrgyzstan - Management of natural disasters	0.20	0.25	Committed	ODA	Grant	CC	CC	
Moldova - Development of a national climate change and adaptation strategy (NCCAS)	0.80	1.03	Committed	ODA	Grant	CC	CC	
Senegal, Gambia, Guinea-Bissau - Conflict prevention through natural resource management	0.31	0.40	Committed	ODA	Grant	CC	CC	

Uganda - Climate change adaptation through catchment-based integrated water resource management (IWRM)	1.50	1.93	Committed	ODA	Grant	CC	Water	
Various - Promoting climate action in MFIs	0.80	1.03	Committed	ODA	Grant	CC	CC	
Africa (unspecified) - EUEI PDF - Africa-EU RECP- Action Area Technology, Innovation, Capacity Development	0.30	0.38	Committed	ODA	Grant	Mitigation	CC	
Bangladesh - Establishment of a network of protected areas along the coast	0.34	0.43	Committed	ODA	Grant	Mitigation	CC	
Bhutan - Climate change adaptation potential of forests in Bhutan	1.10	1.41	Committed	ODA	Grant	Mitigation	Forestry	
Brazil - Workshop on sustainable harvesting of non-timber forest products in the Brazilian Savannah	0.01	0.01	Committed	ODA	Grant	Mitigation	Forestry	
Central America - Contribution to the Energy & Environment Partnership	0.60	0.77	Committed	ODA	Grant	Mitigation	Energy	
Ethiopia - Carbon storage and soil biodiversity in forest landscapes	1.30	1.67	Committed	ODA	Grant	Mitigation	Forestry	
Georgia - Sustainable Forest Governance in Georgia: Strengthening Local and National Capacity and Developing	0.58	0.74	Committed	ODA	Grant	Mitigation	Forestry	
Global – Green Finance – ProCredit	0.70	0.90	Committed	ODA	Grant	Mitigation	Energy	
Mozambique - Support to small scale agriculture in Sofala province	1.60	2.05	Committed	ODA	Grant	Mitigation	Agriculture	
SEE - Development frameworks of LEDS and identification of NAMAs	1.35	1.73	Committed	ODA	Grant	Mitigation	CC	
Serbia - HPP Moravica - enso	0.10	0.13	Committed	ODA	Grant	Mitigation	Energy	
South of Sahara multi-country - SolTrain- solarthermal energy training and demonstration project in the SADC region Phase II	0.99	1.27	Committed	ODA	Grant	Mitigation	Energy	
South of Sahara multi-country - EEP S&EA, Contribution 5. Call for Proposal and Transition Phase	1.00	1.28	Committed	ODA	Grant	Mitigation	Energy	
Uganda - Community consultations for REDD+	0.70	0.90	Committed	ODA	Grant	Mitigation	Forestry	
Western Africa - Enhancing clean cooking solutions in ECOWAS	0.60	0.77	Committed	ODA	Grant	Mitigation	CC	
Western Africa - Enhancing capacities on REDD+	0.60	0.77	Committed	ODA	Grant	Mitigation	Forestry	
Western Africa - ECOWAS Renewable Energy Facility (EREF)	0.70	0.90	Committed	ODA	Grant	Mitigation	Energy	
Bilateral (unallocated) - Access to Clean Energy For The Poor Through Microfinance CLEAN START	0.30	0.38	Committed	ODA	Grant	Mitigation	Energy	

Table 8 AUT_BR1_v0.1

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]
Southern Africa Region	Mitigation	Increased access to modern, affordable and reliable renewable energy services to be reached by achieving result areas: (i) Market understanding, institutional support and knowledge management; (ii) Opportunities for public and private financing for project and business development; and (iii) Financing implementation of national or regional pilot and demonstration projects	Energy	Public	Public	Implemented	
West Africa Region	Mitigation	Establishment of functional renewable energy and energy efficiency markets in the region through developing regional policy and regulatory frameworks, enhancing capacities of market players and enablers, knowledge management, and research and technology transfer	Energy	Public	Public	Implemented	
Mozambique, Namibia, South Africa, Zimbabwe	Mitigation	Building up training capacities in the field of solar thermal technology and the improvement of the quality, performance and lifetime of solar thermal systems, installtion of demonstration systems	Energy	Public	Public	Implemented	
Burkina Faso	Mitigation and Adaptation	dissemination of sustainable agricultural methods, watershed management, sanitation and waste management, biogas production and use	Energy, Agriculture, Water and sanitation	Public	Public	Implemented	
Egypt	Mitigation	Specialists are trained to professionally install and properly maintain solar panels to deliver sufficient clean energy in future. In cooperation with local companies, facilities will also be built up for the production and sale of components for high-quality solar collection systems in Egypt	Energy	Private and Public	Private and Public	Implemented	
Uzbekistan	Mitigation	Set up of solar thermic and biomass technology for food processing	Energy	Private and Public	Private and Public	Implemented	

Macedonia (FYROM)	Mitigation	Promotion of energy efficient building by offering advanced trainings, orientated on practical needs and focused on facades as crucial building element, and by establishing a national “passive house“ competence center	Energy	Private and Public	Private and Public	Implemented	
Serbia	Mitigation	Establishing a cleaner production initiative	Industry	Private and Public	Private and Public	Implemented	
Western Balkan	Mitigation	Promotion of small hydro power plants by a) improving existing regulatory frameworks b) working with sponsors to improve their plant designs and business plans, c) work with selected financial institutions to improve their internal capacities and knowledge on small hydro power plants and project financing	Energy	Private and Public	Private and Public	Implemented	
Eastern Europe	Mitigation	Promotion of cleaner production by awareness workshop and case studies	Industry	Private and Public	Private and Public	Implemented	
Armenia	Mitigation	A.o. increasing the awareness of renewable energy project developers and the expertise of local design companies on the application of modern design solutions and new technologies to ensure the long-term sustainability of RE projects and building awareness and market demand for sustainable energy finance through a broad public awareness campaign.	Energy	Private and Public	Private and Public	Implemented	

Custom Footnotes

Examplesof projects with a specific focus on technology transfer are listed in Table 8.

Table 9 AUT_BR1_v0.1

Provision of capacity-building support[a]

Recipient country/region	*Targeted area*	*Programme or project title*	*Description of programme or project* [b,c]
Brazil	Mitigation	Workshop on sustainable harvesting of non-timber forest products in the Brazilian Savanna	The main objective of this project is to evaluate the ecological impacts of harvesting on natural populations of janaguba using different scales (from genes to ecosystems) and participatory approaches.
ECOWAS (Western Africa)	Multiple Areas	Enhancing clean cooking solutions in ECOWAS	As a core issue of the implementation of the recently adopted ECOWAS policies for Renewable Energy and Energy Efficiency, ECOWAS has launched an initiative on clean, safe, affordable and efficient cooking energy since around 80% of the population is still cooking with biomass and unsafe and inefficient cooking facilities. The initiative has a detailed work program which will be implemented through the WACCA and is aligned with all ongoing related projects in the region.
Ethiopia	Adaptation	Conservation of the “Yayu Coffee Forest Biosphere Reserve“	The project supports conservation of the “Yayu Coffee Forest Biosphere Reserve“ by fighting deforestation and forest degradation and simultaneously improving local livelihoods through “adaptive conservation-development integration activities”.
Georgia	Mitigation	Reducing emissions from deforestation and forest degradation in forests damaged by wildfires	This project aims to implement climate-sensitive forest management based on long-term experience in sustainable forest management in Austria.
Lao People's Democratic Republic	Adaptation	Management of the protected areas in the Phouchomvoy province	This project focuses on the management of the protected areas in the Phouchomvoy province and enlargement of national biodiversity protected areas to avoid further deforestation.
Mozambique	Mitigation	Support to small scale agriculture in Sofala province	The project aims on improvement of small scale agriculture in Sofala Province. An integrated part is the training for improved, sustainable methods to reduce greenhouse gas emissions from agriculture and land use change
South East Europe	Multiple Areas	Development frameworks of LEDS and identification of NAMAs	This project supports the development of „Low Emission Development Strategies“ (LEDS) in five countries in South-East Europe, including identification of possible NAMAs and calculation of associated costs.
Uganda	Multiple Areas	Climate change adaptation through catchment-based integrated water resource management (IWRM)	This project supports the development of management plans for catchment-based integrated water resources. It is integrated with the Joint Water and Environment Sector Support Programme in Uganda.
Bhutan	Adaptation	Climate change adaptation potential of forests in Bhutan	With this project, the potential for adaptation measures to climate change as well as mitigation potential in Bhutanese forests will be determined and concrete activities to increase the resilience of forests (e.g. increase species diversity in early successional monospecific forests) will be started. Forest restoration strategies and activities for increasing carbon stocks as well as combating species losses, particularly on degraded lands will be developed using innovative participative tools.

Custom Footnotes

Table9 lists a small selection of projects from several world regions with aspecific focus on capacity-building.