

Report

under the United Nations

Framework Convention on Climate Change

First biennial report by the Federal Republic of Germany  
pursuant to decision 1/CP.16

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## Chapter I: Information on greenhouse gas emissions and trends

On 15 April 2013, pursuant to decision 3/CP.5, Germany submitted its National Inventory Report (NIR 2013), along with annual greenhouse gas inventories for 1990 to 2011. The report describes the methods and data sources used to calculate Germany's greenhouse gas emissions. Detailed information about annual emissions can therefore be found in the inventories published, which use the common reporting format (CRF). The emission data submitted to the UNFCCC on 15 April 2013 was used to compile this report.<sup>1</sup>

For further details and information on the preparation of the emission inventories and calculations used please refer to the above-mentioned National Inventory Report.<sup>2</sup>

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<sup>1</sup> The CRF tables for the national greenhouse gas inventories are published at:  
[http://unfccc.int/files/national\\_reports/annex\\_i\\_ghg\\_inventories/national\\_inventories\\_submissions/application/zip/deu-2013-crf-11apr.zip](http://unfccc.int/files/national_reports/annex_i_ghg_inventories/national_inventories_submissions/application/zip/deu-2013-crf-11apr.zip)

<sup>2</sup> The National Inventory Report is published at: <http://www.umweltbundesamt.de/emissionen/publikationen.htm>

**TABLE 10 EMISSION TRENDS  
SUMMARY  
(Part 1 of 3)**

Inventory 2011  
Submission 2013 v1.1  
GERMANY

GREENHOUSE GAS EMISSIONS	Base year ( 1990 )	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	1.005.890,23	968.484,95	921.475,96	912.498,89	896.650,37	895.150,81	916.030,55	887.269,84	879.696,35	852.521,98
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	1.041.913,76	1.004.595,25	957.436,55	948.542,97	932.360,41	930.781,09	951.757,24	922.957,39	915.050,13	887.780,92
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	109.949,61	104.414,86	100.713,66	100.234,68	96.189,73	92.634,84	89.718,39	85.091,93	79.763,95	78.257,82
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	109.940,53	104.409,64	100.685,67	100.226,13	96.183,32	92.631,42	89.710,38	85.088,45	79.761,63	78.255,39
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	86.804,37	83.035,86	83.325,27	80.743,47	80.607,28	79.600,20	81.153,69	78.302,36	65.004,22	61.554,79
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	86.547,92	82.780,04	83.063,97	80.486,36	80.350,40	79.343,75	80.895,92	78.045,36	64.747,23	61.297,52
HFCs	4.592,29	4.214,06	4.376,88	6.361,10	6.853,00	7.012,18	6.699,30	7.459,55	8.167,45	8.452,99
PFCs	2.627,47	2.276,91	2.062,42	1.931,37	1.640,07	1.780,27	1.738,33	1.397,92	1.506,33	1.249,19
SF <sub>6</sub>	4.641,63	4.974,85	5.490,51	6.261,79	6.550,73	6.779,16	6.459,81	6.403,57	6.173,03	4.496,71
<b>Total (including LULUCF)</b>	<b>1.214.505,60</b>	<b>1.167.401,49</b>	<b>1.117.444,70</b>	<b>1.108.031,30</b>	<b>1.088.491,18</b>	<b>1.082.957,46</b>	<b>1.101.800,06</b>	<b>1.065.925,17</b>	<b>1.040.311,33</b>	<b>1.006.533,48</b>
<b>Total (excluding LULUCF)</b>	<b>1.250.263,60</b>	<b>1.203.250,73</b>	<b>1.153.116,00</b>	<b>1.143.809,72</b>	<b>1.123.937,94</b>	<b>1.118.327,87</b>	<b>1.137.260,97</b>	<b>1.101.352,23</b>	<b>1.075.405,81</b>	<b>1.041.532,72</b>

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ( 1990 )	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)
1. Energy	1.020.323,33	985.042,01	936.022,63	928.020,09	906.489,32	902.094,32	923.854,10	892.336,29	882.853,01	858.127,08
2. Industrial Processes	94.208,90	90.298,51	92.283,95	92.456,86	98.702,09	96.821,88	95.847,55	95.773,76	81.829,09	74.727,37
3. Solvent and Other Product Use	4.538,56	4.398,56	4.218,93	4.136,08	3.609,42	3.614,92	3.533,18	3.507,87	3.482,42	3.226,89
4. Agriculture	87.962,62	79.769,19	77.018,93	76.438,72	73.735,60	75.866,02	76.087,93	75.219,95	75.243,00	76.169,70
5. Land Use, Land-Use Change and Forestry <sup>(5)</sup>	-35.758,00	-35.849,24	-35.671,30	-35.778,42	-35.446,76	-35.370,41	-35.460,91	-35.427,07	-35.094,48	-34.999,24
6. Waste	43.230,19	43.742,45	43.571,56	42.757,97	41.401,51	39.930,73	37.938,21	34.514,35	31.998,28	29.281,68
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)<sup>(5)</sup></b>	<b>1.214.505,60</b>	<b>1.167.401,49</b>	<b>1.117.444,70</b>	<b>1.108.031,30</b>	<b>1.088.491,18</b>	<b>1.082.957,46</b>	<b>1.101.800,06</b>	<b>1.065.925,17</b>	<b>1.040.311,33</b>	<b>1.006.533,48</b>

<sup>(1)</sup> 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 COP. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

<sup>(2)</sup> Fill in net emissions/removals as reported in table Summary 1.A. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

<sup>(3)</sup> 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 CO<sub>2</sub> equivalent emissions.

<sup>(4)</sup> In accordance with the UNFCCC reporting guidelines, 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 Gg of CO<sub>2</sub> equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.

<sup>(5)</sup> Includes net CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O from LULUCF.

**TABLE 10 EMISSION TRENDS  
SUMMARY  
(Part 2 of 3)**

Inventory 2011  
Submission 2013 v1.1  
GERMANY

GREENHOUSE GAS EMISSIONS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	856.336,83	866.438,25	897.213,22	899.439,25	888.002,34	871.823,32	877.524,09	854.679,73	853.256,35	791.974,13
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	891.400,29	907.443,19	890.750,90	892.931,80	881.034,26	864.716,16	870.739,22	847.396,93	845.761,30	783.734,27
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	75.103,52	72.274,11	69.197,59	66.625,03	62.406,17	59.483,95	56.895,52	54.225,51	53.608,75	51.509,84
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	75.100,10	72.273,39	69.196,87	66.617,20	62.404,53	59.482,85	56.892,62	54.223,96	53.605,48	51.505,22
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	61.668,80	62.728,75	61.394,31	60.356,75	63.676,17	61.179,20	60.362,45	62.026,38	63.456,91	63.488,68
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	61.411,04	62.470,38	61.134,73	60.094,31	63.413,93	60.915,85	60.099,63	61.764,82	63.195,89	63.223,21
HFCs	7.623,20	8.578,09	9.055,98	8.412,04	8.506,87	8.639,94	8.707,96	8.742,28	8.843,03	9.442,69
PFCs	792,18	724,46	789,38	846,54	814,32	694,51	550,41	484,05	472,43	337,70
SF <sub>6</sub>	4.268,98	3.932,79	3.235,98	3.180,54	3.400,04	3.480,04	3.397,89	3.334,04	3.114,56	3.065,05
<b>Total (including LULUCF)</b>	<b>1.005.793,50</b>	<b>1.014.676,44</b>	<b>1.040.886,46</b>	<b>1.038.860,15</b>	<b>1.026.805,91</b>	<b>1.005.300,96</b>	<b>1.007.438,32</b>	<b>983.491,99</b>	<b>982.752,04</b>	<b>919.818,08</b>
<b>Total (excluding LULUCF)</b>	<b>1.040.595,78</b>	<b>1.055.422,29</b>	<b>1.034.163,83</b>	<b>1.032.082,43</b>	<b>1.019.573,94</b>	<b>997.929,36</b>	<b>1.000.387,72</b>	<b>975.946,08</b>	<b>974.992,69</b>	<b>911.308,13</b>

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)
1. Energy	856.188,51	876.374,79	860.877,24	856.868,91	839.862,60	824.213,85	828.818,26	804.887,10	805.221,45	751.530,61
2. Industrial Processes	77.451,64	74.407,61	72.511,18	77.465,47	82.105,47	78.779,17	79.554,00	81.675,13	78.857,81	72.113,01
3. Solvent and Other Product Use	2.971,21	2.748,59	2.546,09	2.328,92	2.257,33	2.113,56	2.136,00	2.010,93	1.874,24	1.687,92
4. Agriculture	76.021,03	75.303,37	72.783,49	71.275,40	72.414,48	71.423,43	69.896,34	68.752,39	71.623,61	69.617,92
5. Land Use, Land-Use Change and Forestry <sup>(5)</sup>	-34.802,27	-40.745,86	6.722,63	6.777,72	7.231,97	7.371,60	7.050,60	7.545,91	7.759,34	8.509,95
6. Waste	27.963,38	26.587,93	25.445,83	24.143,73	22.934,06	21.399,35	19.983,12	18.620,53	17.415,58	16.358,67
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)<sup>(5)</sup></b>	<b>1.005.793,50</b>	<b>1.014.676,44</b>	<b>1.040.886,46</b>	<b>1.038.860,15</b>	<b>1.026.805,91</b>	<b>1.005.300,96</b>	<b>1.007.438,32</b>	<b>983.491,99</b>	<b>982.752,04</b>	<b>919.818,08</b>

<sup>(1)</sup> 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 COP. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

<sup>(2)</sup> Fill in net emissions/removals as reported in table Summary 1.A. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

<sup>(3)</sup> 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 CO<sub>2</sub> equivalent emissions.

<sup>(4)</sup> In accordance with the UNFCCC reporting guidelines, 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 Gg of CO<sub>2</sub> equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.

<sup>(5)</sup> Includes net CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O from LULUCF.

**TABLE 10 EMISSION TRENDS  
SUMMARY  
(Part 3 of 3)**

Inventory 2011  
Submission 2013 v1.1  
GERMANY

GREENHOUSE GAS EMISSIONS	2010	2011	Change from base to latest reported year
	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	(%)
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	834.511,38	807.118,16	-19,76
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	826.063,14	798.057,88	-23,40
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	50.388,20	48.845,40	-55,57
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	50.385,00	48.844,09	-55,57
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	54.897,16	57.144,16	-34,17
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	54.627,87	56.871,16	-34,29
HFCs	8.963,13	9.176,67	99,83
PFCs	285,26	229,60	-91,26
SF <sub>6</sub>	3.194,04	3.315,68	-28,57
<b>Total (including LULUCF)</b>	<b>952.239,18</b>	<b>925.829,68</b>	<b>-23,77</b>
<b>Total (excluding LULUCF)</b>	<b>943.518,45</b>	<b>916.495,08</b>	<b>-26,70</b>

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2010	2011	Change from base to latest reported year
	CO <sub>2</sub> equivalent (Gg)	CO <sub>2</sub> equivalent (Gg)	(%)
1. Energy	789.178,80	760.572,25	-25,46
2. Industrial Processes	68.676,34	69.326,15	-26,41
3. Solvent and Other Product Use	1.944,49	1.855,90	-59,11
4. Agriculture	68.364,71	70.359,91	-20,01
5. Land Use, Land-Use Change and Forestry <sup>(5)</sup>	8.720,73	9.334,60	-126,10
6. Waste	15.354,11	14.380,88	-66,73
7. Other	NA	NA	0,00
<b>Total (including LULUCF)<sup>(5)</sup></b>	<b>952.239,18</b>	<b>925.829,68</b>	<b>-23,77</b>

<sup>(1)</sup> 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 COP. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

<sup>(2)</sup> Fill in net emissions/removals as reported in table Summary 1.A. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

<sup>(3)</sup> 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 CO<sub>2</sub> equivalent emissions.

<sup>(4)</sup> In accordance with the UNFCCC reporting guidelines, 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 Gg of CO<sub>2</sub> equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.

<sup>(5)</sup> Includes net CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O from LULUCF.

TABLE 10 EMISSION TRENDS

CO<sub>2</sub>  
(Part 1 of 3)Inventory 2011  
Submission 2013 v1.1  
GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ( 1990 )	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>1. Energy</b>	<b>979,465,72</b>	<b>946,374,98</b>	<b>900,320,86</b>	<b>891,777,00</b>	<b>873,171,20</b>	<b>872,015,68</b>	<b>894,646,94</b>	<b>863,537,56</b>	<b>856,738,87</b>	<b>830,845,24</b>
A. Fuel Combustion (Sectoral Approach)	977,713,09	944,417,49	898,317,66	889,778,87	871,088,94	869,889,46	892,373,58	861,302,49	854,541,67	828,541,34
1. Energy Industries	423,417,60	410,276,11	387,235,71	376,901,55	374,689,54	365,317,01	372,656,19	352,048,62	354,896,00	342,869,16
2. Manufacturing Industries and Construction	175,634,83	154,324,72	144,191,72	133,904,95	131,710,29	134,372,93	125,365,69	128,894,82	124,459,05	121,511,05
3. Transport	162,366,20	165,811,33	171,142,63	175,752,03	172,011,65	175,689,96	175,758,65	176,275,03	179,446,39	184,765,96
4. Other Sectors	204,483,38	205,618,59	189,326,82	198,084,39	187,939,84	190,555,19	215,505,10	201,099,89	192,747,56	176,838,08
5. Other	11,811,09	8,386,74	6,420,78	5,135,95	4,737,62	3,954,36	3,087,96	2,984,12	2,992,69	2,557,09
B. Fugitive Emissions from Fuels	1,752,63	1,957,50	2,003,20	1,998,12	2,082,25	2,126,23	2,273,36	2,235,07	2,197,20	2,303,90
1. Solid Fuels	10,68	11,88	11,68	12,83	12,61	12,74	12,52	12,30	14,13	13,82
2. Oil and Natural Gas	1,741,96	1,945,62	1,991,53	1,985,30	2,069,64	2,113,49	2,260,84	2,222,77	2,183,06	2,290,08
<b>2. Industrial Processes</b>	<b>59,896,04</b>	<b>55,725,47</b>	<b>54,717,68</b>	<b>54,367,97</b>	<b>57,235,00</b>	<b>56,722,79</b>	<b>55,067,87</b>	<b>57,321,04</b>	<b>56,156,11</b>	<b>54,954,10</b>
A. Mineral Products	22,666,91	20,445,02	21,163,72	21,423,48	22,868,08	23,094,03	21,843,21	22,367,44	22,422,32	22,576,73
B. Chemical Industry	13,076,32	12,126,56	12,128,85	12,720,07	13,188,09	14,403,73	14,727,78	14,672,78	15,153,10	15,150,84
C. Metal Production	24,152,81	23,153,89	21,425,12	20,224,42	21,178,82	19,225,02	18,496,88	20,280,83	18,580,69	17,226,54
D. Other Production	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	<b>2,552,00</b>	<b>2,494,80</b>	<b>2,398,00</b>	<b>2,398,00</b>	<b>1,954,21</b>	<b>2,042,62</b>	<b>2,042,42</b>	<b>2,098,79</b>	<b>2,155,15</b>	<b>1,981,58</b>
<b>4. Agriculture</b>										
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										
<b>5. Land Use, Land-Use Change and Forestry<sup>(2)</sup></b>	<b>-36,023,54</b>	<b>-36,110,30</b>	<b>-35,960,58</b>	<b>-36,044,08</b>	<b>-35,710,04</b>	<b>-35,630,29</b>	<b>-35,726,68</b>	<b>-35,687,55</b>	<b>-35,353,79</b>	<b>-35,258,95</b>
A. Forest Land	-80,640,85	-80,725,45	-80,832,98	-80,901,10	-81,006,85	-81,092,68	-81,176,91	-81,264,60	-81,360,01	-81,444,59
B. Cropland	28,632,12	28,680,61	28,717,73	28,705,47	29,000,57	29,286,94	29,325,48	29,456,45	29,720,77	29,828,60
C. Grassland	11,327,52	11,319,42	11,305,01	11,301,35	11,287,36	11,278,79	11,270,61	11,261,47	11,250,17	11,241,80
D. Wetlands	2,233,15	2,174,15	2,387,48	2,376,05	2,528,89	2,410,03	2,351,18	2,342,03	2,520,01	2,595,80
E. Settlements	2,307,73	2,326,02	2,299,81	2,349,47	2,326,22	2,341,20	2,359,04	2,369,96	2,365,73	2,382,16
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	116,78	114,96	162,37	124,68	153,78	145,44	143,91	147,14	149,55	137,28
<b>6. Waste</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
A. Solid Waste Disposal on Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Waste-water Handling										
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in Summary I.A)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Total CO<sub>2</sub> emissions including net CO<sub>2</sub> from LULUCF</b>	<b>1,005,890,23</b>	<b>968,484,95</b>	<b>921,475,96</b>	<b>912,498,89</b>	<b>896,650,37</b>	<b>895,150,81</b>	<b>916,030,55</b>	<b>887,269,84</b>	<b>879,696,35</b>	<b>852,521,98</b>
<b>Total CO<sub>2</sub> emissions excluding net CO<sub>2</sub> from LULUCF</b>	<b>1,041,913,76</b>	<b>1,004,595,25</b>	<b>957,436,55</b>	<b>948,542,97</b>	<b>932,360,41</b>	<b>930,781,09</b>	<b>951,757,24</b>	<b>922,957,39</b>	<b>915,050,13</b>	<b>887,780,92</b>
<b>Memo Items:</b>										
<b>International Bunkers</b>	<b>19,937,44</b>	<b>18,610,72</b>	<b>18,682,19</b>	<b>21,037,99</b>	<b>21,116,03</b>	<b>21,729,05</b>	<b>22,363,10</b>	<b>23,377,60</b>	<b>23,564,52</b>	<b>25,013,39</b>
Aviation	12,022,01	11,935,62	13,094,32	14,066,65	14,687,52	15,255,11	15,992,34	16,528,43	17,066,92	18,404,73
Marine	7,915,43	6,675,10	5,587,87	6,971,34	6,428,51	6,473,94	6,370,76	6,849,17	6,497,59	6,608,67
<b>Multilateral Operations</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>	<b>21,224,99</b>	<b>20,998,20</b>	<b>21,195,87</b>	<b>21,299,29</b>	<b>21,372,42</b>	<b>20,342,99</b>	<b>20,670,07</b>	<b>27,909,61</b>	<b>29,928,79</b>	<b>31,509,76</b>

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS

CO<sub>2</sub>  
(Part 2 of 3)Inventory 2011  
Submission 2013 v1.1  
GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>1. Energy</b>	<b>830,053,30</b>	<b>851,913,62</b>	<b>837,589,10</b>	<b>834,418,65</b>	<b>819,656,36</b>	<b>805,337,16</b>	<b>810,357,46</b>	<b>787,541,74</b>	<b>787,590,21</b>	<b>735,050,75</b>
A. Fuel Combustion (Sectoral Approach)	827,824,74	849,669,21	835,354,78	832,121,94	817,509,69	803,248,36	808,295,82	785,639,48	785,831,53	733,401,07
1. Energy Industries	356,812,26	368,897,14	370,663,99	384,249,29	381,526,55	375,196,57	377,332,95	385,255,04	363,810,19	337,732,45
2. Manufacturing Industries and Construction	117,691,60	110,823,25	109,986,96	107,128,08	106,223,79	108,894,91	112,460,38	117,996,22	113,581,47	99,952,60
3. Transport	180,962,11	177,127,93	175,123,96	168,756,46	168,522,30	160,418,40	156,696,58	153,277,71	153,114,78	152,577,16
4. Other Sectors	170,074,45	190,952,98	177,671,87	170,055,58	159,583,78	157,035,50	160,253,94	127,819,71	154,015,31	141,799,77
5. Other	2,284,33	1,867,90	1,908,01	1,932,52	1,653,27	1,702,99	1,551,97	1,290,80	1,309,79	1,339,10
B. Fugitive Emissions from Fuels	2,228,56	2,244,42	2,234,32	2,296,71	2,146,67	2,088,80	2,061,64	1,902,26	1,758,67	1,649,68
1. Solid Fuels	14,64	13,84	10,61	7,46	4,76	1,99	0,18	0,07	0,09	0,66
2. Oil and Natural Gas	2,213,93	2,230,57	2,223,70	2,289,25	2,141,91	2,086,80	2,061,46	1,902,19	1,758,58	1,649,03
<b>2. Industrial Processes</b>	<b>59,538,99</b>	<b>53,867,49</b>	<b>51,550,64</b>	<b>56,967,51</b>	<b>59,752,13</b>	<b>57,745,23</b>	<b>58,739,12</b>	<b>58,300,00</b>	<b>56,699,87</b>	<b>47,372,15</b>
A. Mineral Products	22,234,04	20,185,46	19,362,27	20,096,67	20,640,29	19,478,66	19,909,18	21,196,47	20,259,75	17,895,22
B. Chemical Industry	16,152,88	15,352,64	16,232,68	16,280,18	15,812,87	16,445,93	16,750,98	17,081,89	16,512,03	15,610,73
C. Metal Production	21,152,07	18,329,40	15,955,69	20,590,65	23,298,96	21,820,64	22,078,96	20,021,64	19,928,09	13,866,20
D. Other Production	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	<b>1,808,00</b>	<b>1,662,08</b>	<b>1,611,16</b>	<b>1,545,64</b>	<b>1,625,77</b>	<b>1,633,77</b>	<b>1,642,64</b>	<b>1,555,19</b>	<b>1,471,22</b>	<b>1,311,36</b>
<b>4. Agriculture</b>										
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										
<b>5. Land Use, Land-Use Change and Forestry<sup>(2)</sup></b>	<b>-35,063,45</b>	<b>-41,004,94</b>	<b>6,462,32</b>	<b>6,507,45</b>	<b>6,968,09</b>	<b>7,107,15</b>	<b>6,784,87</b>	<b>7,282,80</b>	<b>7,495,05</b>	<b>8,239,87</b>
A. Forest Land	-81,540,83	-82,762,59	-35,004,91	-34,809,41	-34,576,59	-34,374,91	-34,056,01	-33,780,86	-33,503,17	-33,460,66
B. Cropland	30,126,22	28,381,95	28,524,94	28,498,44	28,390,80	28,389,18	28,215,93	28,325,62	28,367,38	28,358,01
C. Grassland	11,230,21	9,159,52	9,093,69	9,039,91	9,052,42	9,006,60	8,393,66	8,378,31	8,370,21	8,817,75
D. Wetlands	2,624,99	2,646,75	2,329,03	2,349,99	2,402,26	2,422,66	2,222,50	2,294,59	2,133,03	2,267,49
E. Settlements	2,375,85	1,451,70	1,389,56	1,319,50	1,617,29	1,594,10	1,942,87	1,997,79	2,075,25	2,191,86
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	120,10	117,72	130,01	109,03	81,92	69,53	65,91	67,35	52,35	65,42
<b>6. Waste</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
A. Solid Waste Disposal on Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Waste-water Handling										
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in Summary L.A)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Total CO<sub>2</sub> emissions including net CO<sub>2</sub> from LULUCF</b>	<b>856,336,83</b>	<b>866,438,25</b>	<b>897,213,22</b>	<b>899,439,25</b>	<b>888,002,34</b>	<b>871,823,32</b>	<b>877,524,09</b>	<b>854,679,73</b>	<b>853,256,35</b>	<b>791,974,13</b>
<b>Total CO<sub>2</sub> emissions excluding net CO<sub>2</sub> from LULUCF</b>	<b>891,400,29</b>	<b>907,443,19</b>	<b>890,750,90</b>	<b>892,931,80</b>	<b>881,034,26</b>	<b>864,716,16</b>	<b>870,739,22</b>	<b>847,396,93</b>	<b>845,761,30</b>	<b>783,734,27</b>
<b>Memo Items:</b>										
<b>International Bunkers</b>	<b>26,502,75</b>	<b>26,135,21</b>	<b>26,574,82</b>	<b>27,676,87</b>	<b>29,684,41</b>	<b>31,055,14</b>	<b>32,478,62</b>	<b>34,988,75</b>	<b>34,964,06</b>	<b>33,448,43</b>
Aviation	19,528,17	19,101,07	19,000,53	19,356,72	21,169,19	23,087,13	24,234,76	25,134,18	25,421,75	24,725,68
Marine	6,974,58	7,034,13	7,574,29	8,320,14	8,515,21	7,968,01	8,243,86	9,854,57	9,542,31	8,722,76
<b>Multilateral Operations</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>	<b>33,013,13</b>	<b>35,626,46</b>	<b>36,040,59</b>	<b>44,652,03</b>	<b>48,863,48</b>	<b>55,534,87</b>	<b>66,651,14</b>	<b>74,295,26</b>	<b>79,089,30</b>	<b>83,948,16</b>

Note: All footnotes for this table are given at the end of the table on sheet 5.



**TABLE 10 EMISSION TRENDS**

**CO<sub>2</sub>**

**(Part 3 of 3)**

Inventory 2011

Submission 2013 v1.1

GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2010	2011	Change from base to latest reported year
	(Gg)	(Gg)	%
<b>1. Energy</b>	<b>772.013,81</b>	<b>743.425,60</b>	<b>-24,10</b>
A. Fuel Combustion (Sectoral Approach)	770.553,50	742.029,91	-24,11
1. Energy Industries	351.737,50	349.546,22	-17,45
2. Manufacturing Industries and Construction	114.845,54	114.326,87	-34,91
3. Transport	153.498,87	155.635,19	-4,15
4. Other Sectors	149.173,98	121.319,55	-40,67
5. Other	1.297,62	1.202,08	-89,82
B. Fugitive Emissions from Fuels	1.460,30	1.395,69	-20,37
1. Solid Fuels	1,35	2,93	-72,59
2. Oil and Natural Gas	1.458,95	1.392,77	-20,05
<b>2. Industrial Processes</b>	<b>52.466,07</b>	<b>53.126,23</b>	<b>-11,30</b>
A. Mineral Products	18.323,99	19.498,47	-13,98
B. Chemical Industry	16.280,96	16.680,45	27,56
C. Metal Production	17.861,11	16.947,31	-29,83
D. Other Production	NO	NO	0,00
E. Production of Halocarbons and SF <sub>6</sub>			
F. Consumption of Halocarbons and SF <sub>6</sub>			
G. Other	NO	NO	0,00
<b>3. Solvent and Other Product Use</b>	<b>1.583,27</b>	<b>1.506,05</b>	<b>-40,99</b>
<b>4. Agriculture</b>			
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			
<b>5. Land Use, Land-Use Change and Forestry<sup>(2)</sup></b>	<b>8.448,25</b>	<b>9.060,28</b>	<b>-125,15</b>
A. Forest Land	-33.126,14	-32.789,09	-59,34
B. Cropland	28.467,93	28.632,51	0,00
C. Grassland	8.782,66	8.768,43	-22,59
D. Wetlands	2.099,91	2.128,10	-4,70
E. Settlements	2.165,60	2.256,02	-2,24
F. Other Land	NO	NO	0,00
G. Other	58,29	64,32	-44,93
<b>6. Waste</b>	<b>NO</b>	<b>NO</b>	<b>0,00</b>

**TABLE 10 EMISSION TRENDS**  
**CH<sub>4</sub>**  
**(Part 1 of 3)**

Inventory 2011  
Submission 2013 v1.1  
GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ( 1990 )	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>1. Energy</b>	1,562.05	1,474.21	1,348.82	1,376.06	1,240.19	1,144.89	1,104.18	1,090.04	972.58	1,034.28
A. Fuel Combustion (Sectoral Approach)	212.89	155.91	124.76	111.89	97.01	92.74	89.48	91.96	83.85	80.26
1. Energy Industries	13.54	13.56	13.74	14.11	14.26	14.67	15.58	16.24	16.64	16.69
2. Manufacturing Industries and Construction	11.27	9.46	8.73	8.13	8.15	6.61	7.08	6.90	7.00	6.54
3. Transport	53.29	43.26	40.23	36.43	34.77	33.65	31.59	29.20	27.08	24.58
4. Other Sectors	123.57	82.46	57.29	50.05	38.22	37.07	34.80	39.25	32.77	32.16
5. Other	11.22	7.18	4.78	3.17	1.61	0.75	0.43	0.37	0.35	0.29
B. Fugitive Emissions from Fuels	1,349.15	1,318.31	1,224.05	1,264.17	1,143.17	1,052.14	1,014.70	998.08	888.73	954.02
1. Solid Fuels	963.81	918.53	777.34	789.31	694.43	706.21	670.70	664.33	562.24	641.72
2. Oil and Natural Gas	385.34	399.78	446.71	474.86	448.74	345.94	344.01	333.75	326.49	312.30
<b>2. Industrial Processes</b>	<b>0.20</b>	<b>0.16</b>	<b>0.14</b>	<b>0.12</b>	<b>0.12</b>	<b>0.29</b>	<b>0.27</b>	<b>0.28</b>	<b>0.28</b>	<b>0.26</b>
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C. Metal Production	0.19	0.15	0.13	0.11	0.11	0.28	0.26	0.27	0.27	0.25
D. Other Production										
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>										
<b>4. Agriculture</b>	<b>1,726.64</b>	<b>1,528.28</b>	<b>1,484.69</b>	<b>1,474.05</b>	<b>1,482.42</b>	<b>1,480.63</b>	<b>1,479.85</b>	<b>1,437.85</b>	<b>1,424.19</b>	<b>1,422.17</b>
A. Enteric Fermentation	1,407.68	1,245.04	1,204.03	1,195.80	1,190.50	1,191.29	1,188.81	1,152.00	1,132.59	1,131.97
B. Manure Management	318.96	283.24	280.66	278.25	291.92	289.34	291.04	285.85	291.60	290.20
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>5. Land Use, Land-Use Change and Forestry</b>	<b>0.43</b>	<b>0.25</b>	<b>1.33</b>	<b>0.41</b>	<b>0.31</b>	<b>0.16</b>	<b>0.38</b>	<b>0.17</b>	<b>0.11</b>	<b>0.12</b>
A. Forest Land	0.43	0.25	1.33	0.41	0.31	0.16	0.38	0.17	0.11	0.12
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE
<b>6. Waste</b>	<b>1,946.38</b>	<b>1,969.24</b>	<b>1,960.90</b>	<b>1,922.45</b>	<b>1,857.43</b>	<b>1,785.22</b>	<b>1,687.63</b>	<b>1,523.66</b>	<b>1,401.12</b>	<b>1,269.73</b>
A. Solid Waste Disposal on Land	1,838.00	1,883.00	1,890.00	1,860.00	1,801.00	1,727.00	1,636.00	1,481.00	1,369.00	1,237.00
B. Waste-water Handling	106.01	81.34	64.65	54.89	44.64	42.28	31.62	20.97	10.31	9.32
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	2.37	4.90	6.25	7.57	11.79	15.94	20.00	21.69	21.81	23.41
<b>7. Other (as specified in Summary 1.A)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Total CH<sub>4</sub> emissions including CH<sub>4</sub> from LULUCF</b>	<b>5,235.70</b>	<b>4,972.14</b>	<b>4,795.89</b>	<b>4,773.08</b>	<b>4,580.46</b>	<b>4,411.18</b>	<b>4,272.30</b>	<b>4,052.00</b>	<b>3,798.28</b>	<b>3,726.56</b>
<b>Total CH<sub>4</sub> emissions excluding CH<sub>4</sub> from LULUCF</b>	<b>5,235.26</b>	<b>4,971.89</b>	<b>4,794.56</b>	<b>4,772.67</b>	<b>4,580.16</b>	<b>4,411.02</b>	<b>4,271.92</b>	<b>4,051.83</b>	<b>3,798.17</b>	<b>3,726.45</b>
<b>Memo Items:</b>										
<b>International Bunkers</b>	<b>0.75</b>	<b>0.64</b>	<b>0.55</b>	<b>0.68</b>	<b>0.63</b>	<b>0.64</b>	<b>0.63</b>	<b>0.68</b>	<b>0.65</b>	<b>0.66</b>
Aviation	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06
Marine	0.71	0.60	0.50	0.62	0.57	0.58	0.58	0.62	0.58	0.59
<b>Multilateral Operations</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>										

Note: All footnotes for this table are given at the end of the table on sheet 5.

**TABLE 10 EMISSION TRENDS**  
**CH<sub>4</sub>**  
**(Part 2 of 3)**

Inventory 2011  
Submission 2013 v1.1  
GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>1. Energy</b>	985,29	902,67	863,25	822,12	715,62	660,28	635,99	576,82	587,14	539,66
A. Fuel Combustion (Sectoral Approach)	76,44	75,89	73,00	87,53	89,52	93,02	104,10	113,51	122,75	123,36
1. Energy Industries	16,81	16,30	16,83	35,57	40,36	45,61	55,16	66,65	74,70	76,35
2. Manufacturing Industries and Construction	6,50	6,22	6,05	6,28	7,11	7,26	8,06	7,68	7,63	6,66
3. Transport	21,28	19,50	17,67	15,68	14,37	12,81	11,47	10,24	8,95	8,27
4. Other Sectors	31,55	33,55	32,12	29,72	27,44	27,05	29,16	28,74	31,26	31,86
5. Other	0,31	0,32	0,32	0,28	0,24	0,29	0,26	0,20	0,21	0,21
B. Fugitive Emissions from Fuels	908,85	826,78	790,25	734,59	626,10	567,26	531,88	463,30	464,39	416,29
1. Solid Fuels	590,51	508,04	477,35	433,00	330,51	274,05	234,74	194,28	183,32	133,17
2. Oil and Natural Gas	318,34	318,74	312,90	301,59	295,59	293,21	297,15	269,02	281,07	283,13
<b>2. Industrial Processes</b>	<b>0,27</b>	<b>0,25</b>	<b>0,25</b>	<b>0,23</b>	<b>0,24</b>	<b>0,23</b>	<b>0,26</b>	<b>0,26</b>	<b>0,25</b>	<b>0,18</b>
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	0,01	0,01	0,01	0,01	0,01	0,01	0,02	0,02	0,02	0,01
C. Metal Production	0,26	0,24	0,24	0,22	0,23	0,22	0,24	0,24	0,23	0,17
D. Other Production										
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>										
<b>4. Agriculture</b>	<b>1.386,09</b>	<b>1.400,58</b>	<b>1.350,32</b>	<b>1.331,44</b>	<b>1.294,04</b>	<b>1.284,82</b>	<b>1.251,84</b>	<b>1.249,21</b>	<b>1.266,57</b>	<b>1.264,06</b>
A. Enteric Fermentation	1.102,75	1.113,48	1.070,02	1.052,10	1.022,62	1.015,02	990,62	990,21	1.008,80	1.009,41
B. Manure Management	283,35	287,11	280,29	279,34	271,42	269,80	261,21	259,00	257,77	254,64
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>5. Land Use, Land-Use Change and Forestry</b>	<b>0,16</b>	<b>0,03</b>	<b>0,03</b>	<b>0,37</b>	<b>0,08</b>	<b>0,05</b>	<b>0,14</b>	<b>0,07</b>	<b>0,16</b>	<b>0,22</b>
A. Forest Land	0,16	0,03	0,03	0,37	0,08	0,05	0,14	0,07	0,16	0,22
B. Cropland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE
<b>6. Waste</b>	<b>1.204,54</b>	<b>1.138,09</b>	<b>1.081,27</b>	<b>1.018,46</b>	<b>961,74</b>	<b>887,19</b>	<b>821,09</b>	<b>755,80</b>	<b>698,68</b>	<b>648,73</b>
A. Solid Waste Disposal on Land	1.170,00	1.104,00	1.047,00	985,00	929,00	855,00	790,00	724,00	668,00	619,00
B. Waste-water Handling	8,32	7,33	6,96	6,59	6,23	5,75	5,28	4,80	4,33	3,85
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	26,22	26,76	27,31	26,86	26,51	26,43	25,82	27,00	26,35	25,88
<b>7. Other (as specified in Summary 1.A)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Total CH<sub>4</sub> emissions including CH<sub>4</sub> from LULUCF</b>	<b>3.576,36</b>	<b>3.441,62</b>	<b>3.295,12</b>	<b>3.172,62</b>	<b>2.971,72</b>	<b>2.832,57</b>	<b>2.709,31</b>	<b>2.582,17</b>	<b>2.552,80</b>	<b>2.452,85</b>
<b>Total CH<sub>4</sub> emissions excluding CH<sub>4</sub> from LULUCF</b>	<b>3.576,20</b>	<b>3.441,59</b>	<b>3.295,09</b>	<b>3.172,25</b>	<b>2.971,64</b>	<b>2.832,52</b>	<b>2.709,17</b>	<b>2.582,09</b>	<b>2.552,64</b>	<b>2.452,63</b>
<b>Memo Items:</b>										
<b>International Bunkers</b>	<b>0,70</b>	<b>0,70</b>	<b>0,75</b>	<b>0,82</b>	<b>0,84</b>	<b>0,80</b>	<b>0,83</b>	<b>0,98</b>	<b>0,95</b>	<b>0,87</b>
Aviation	0,07	0,07	0,06	0,07	0,08	0,08	0,09	0,09	0,09	0,09
Marine	0,63	0,63	0,68	0,75	0,77	0,72	0,75	0,89	0,86	0,79
<b>Multilateral Operations</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>										

Note: All footnotes for this table are given at the end of the table on sheet 5.

**TABLE 10 EMISSION TRENDS**

**CH<sub>4</sub>**

**(Part 3 of 3)**

Inventory 2011

Submission 2013 v1.1

GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2010	2011	Change from base to latest reported year
	(Gg)	(Gg)	%
<b>1. Energy</b>	553,81	548,58	-64,88
A. Fuel Combustion (Sectoral Approach)	147,82	145,94	-31,45
1. Energy Industries	86,27	89,72	562,59
2. Manufacturing Industries and Construction	7,36	7,63	-32,31
3. Transport	7,60	7,32	-86,27
4. Other Sectors	46,38	41,07	-66,76
5. Other	0,21	0,20	-98,19
B. Fugitive Emissions from Fuels	405,99	402,64	-70,16
1. Solid Fuels	133,02	125,50	-86,98
2. Oil and Natural Gas	272,97	277,13	-28,08
<b>2. Industrial Processes</b>	<b>0,23</b>	<b>0,25</b>	<b>25,28</b>
A. Mineral Products	NA	NA	0,00
B. Chemical Industry	0,02	0,03	126,17
C. Metal Production	0,21	0,22	18,77
D. Other Production			
E. Production of Halocarbons and SF <sub>6</sub>			
F. Consumption of Halocarbons and SF <sub>6</sub>			
G. Other	NO	NO	0,00
<b>3. Solvent and Other Product Use</b>			
<b>4. Agriculture</b>	<b>1.244,33</b>	<b>1.222,65</b>	<b>-29,19</b>
A. Enteric Fermentation	1.000,16	985,37	-30,00
B. Manure Management	244,18	237,28	-25,61
C. Rice Cultivation	NO	NO	0,00
D. Agricultural Soils	NA,NO	NA,NO	0,00
E. Prescribed Burning of Savannas	NO	NO	0,00
F. Field Burning of Agricultural Residues	NO	NO	0,00
G. Other	NA	NA	0,00
<b>5. Land Use, Land-Use Change and Forestry</b>	<b>0,15</b>	<b>0,06</b>	<b>-85,52</b>
A. Forest Land	0,15	0,06	-85,52
B. Cropland	NO	NO	0,00
C. Grassland	NO	NO	0,00
D. Wetlands	NE,NO	NE,NO	0,00
E. Settlements	NE	NE	0,00
F. Other Land	NO	NO	0,00
G. Other	NA,NE	NA,NE	0,00
<b>6. Waste</b>	<b>600,91</b>	<b>554,44</b>	<b>-71,51</b>
A. Solid Waste Disposal on Land	572,00	526,00	-71,38
B. Waste-water Handling	3,38	2,90	-97,26
C. Waste Incineration	NO	NO	0,00
D. Other	25,53	25,53	977,25
<b>7. Other (as specified in Summary I.A)</b>	<b>NA</b>	<b>NA</b>	<b>0,00</b>

TABLE 10 EMISSION TRENDS

N<sub>2</sub>O

(Part 1 of 3)

Inventory 2011

Submission 2013 v.1.1

GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ( 1990 )	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>1. Energy</b>	<b>25,98</b>	<b>24,87</b>	<b>23,80</b>	<b>23,70</b>	<b>23,47</b>	<b>19,47</b>	<b>19,42</b>	<b>19,06</b>	<b>18,35</b>	<b>17,94</b>
A. Fuel Combustion (Sectoral Approach)	25,98	24,86	23,79	23,69	23,46	19,47	19,42	19,06	18,35	17,94
1. Energy Industries	14,10	13,88	13,16	13,02	12,87	8,57	8,46	8,00	7,84	7,60
2. Manufacturing Industries and Construction	4,48	3,78	3,48	3,10	3,05	3,09	2,87	3,05	2,77	2,74
3. Transport	3,99	4,23	4,67	5,10	5,25	5,64	5,78	5,80	5,77	5,72
4. Other Sectors	3,19	2,81	2,34	2,34	2,18	2,08	2,24	2,13	1,89	1,82
5. Other	0,23	0,17	0,14	0,12	0,12	0,09	0,07	0,07	0,07	0,06
B. Fugitive Emissions from Fuels	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Solid Fuels	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
2. Oil and Natural Gas	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
<b>2. Industrial Processes</b>	<b>72,41</b>	<b>74,53</b>	<b>82,69</b>	<b>75,91</b>	<b>85,23</b>	<b>79,10</b>	<b>83,47</b>	<b>74,79</b>	<b>31,68</b>	<b>17,96</b>
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	72,32	74,44	82,61	75,83	85,14	79,04	83,42	74,73	31,62	17,91
C. Metal Production	0,09	0,09	0,08	0,08	0,08	0,06	0,05	0,06	0,05	0,05
D. Other Production										
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	<b>6,41</b>	<b>6,14</b>	<b>5,87</b>	<b>5,61</b>	<b>5,34</b>	<b>5,07</b>	<b>4,81</b>	<b>4,55</b>	<b>4,28</b>	<b>4,02</b>
<b>4. Agriculture</b>	<b>166,78</b>	<b>153,79</b>	<b>147,87</b>	<b>146,72</b>	<b>137,43</b>	<b>144,43</b>	<b>145,20</b>	<b>145,24</b>	<b>146,24</b>	<b>149,37</b>
A. Enteric Fermentation										
B. Manure Management	12,64	11,22	11,05	11,06	10,36	10,38	10,43	10,17	9,97	9,90
C. Rice Cultivation										
D. Agricultural Soils	154,14	142,57	136,82	135,66	127,08	134,05	134,77	135,07	136,27	139,47
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>5. Land Use, Land-Use Change and Forestry</b>	<b>0,83</b>	<b>0,83</b>	<b>0,84</b>	<b>0,83</b>	<b>0,83</b>	<b>0,83</b>	<b>0,83</b>	<b>0,83</b>	<b>0,83</b>	<b>0,83</b>
A. Forest Land	0,19	0,19	0,21	0,20	0,20	0,19	0,20	0,20	0,20	0,20
B. Cropland	0,63	0,63	0,63	0,63	0,63	0,63	0,63	0,63	0,63	0,63
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE
<b>6. Waste</b>	<b>7,60</b>	<b>7,70</b>	<b>7,72</b>	<b>7,70</b>	<b>7,73</b>	<b>7,87</b>	<b>8,06</b>	<b>8,12</b>	<b>8,31</b>	<b>8,44</b>
A. Solid Waste Disposal on Land										
B. Waste-water Handling	7,56	7,61	7,59	7,54	7,48	7,49	7,50	7,55	7,60	7,66
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	0,05	0,10	0,13	0,16	0,25	0,39	0,56	0,57	0,71	0,78
<b>7. Other (as specified in Summary 1.A)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Total N<sub>2</sub>O emissions including N<sub>2</sub>O from LULUCF</b>	<b>280,01</b>	<b>267,86</b>	<b>268,79</b>	<b>260,46</b>	<b>260,02</b>	<b>256,77</b>	<b>261,79</b>	<b>252,59</b>	<b>209,69</b>	<b>198,56</b>
<b>Total N<sub>2</sub>O emissions excluding N<sub>2</sub>O from LULUCF</b>	<b>279,19</b>	<b>267,03</b>	<b>267,95</b>	<b>259,63</b>	<b>259,19</b>	<b>255,95</b>	<b>260,95</b>	<b>251,76</b>	<b>208,86</b>	<b>197,73</b>
<b>Memo Items:</b>										
<b>International Bunkers</b>	<b>0,58</b>	<b>0,55</b>	<b>0,55</b>	<b>0,62</b>	<b>0,63</b>	<b>0,65</b>	<b>0,67</b>	<b>0,70</b>	<b>0,70</b>	<b>0,75</b>
Aviation	0,38	0,38	0,41	0,44	0,46	0,48	0,50	0,52	0,54	0,58
Marine	0,20	0,17	0,14	0,18	0,16	0,17	0,16	0,18	0,17	0,17
<b>Multilateral Operations</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>										

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS

N<sub>2</sub>O

(Part 2 of 3)

Inventory 2011

Submission 2013 v1.1

GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>1. Energy</b>	<b>17.56</b>	<b>17.76</b>	<b>16.64</b>	<b>16.73</b>	<b>16.70</b>	<b>16.16</b>	<b>16.47</b>	<b>16.88</b>	<b>17.10</b>	<b>16.60</b>
A. Fuel Combustion (Sectoral Approach)	17.56	17.76	16.64	16.73	16.70	16.16	16.47	16.88	17.10	16.60
1. Energy Industries	7.95	8.22	8.32	8.80	9.07	8.82	9.01	9.41	9.14	8.88
2. Manufacturing Industries and Construction	2.50	2.42	2.31	2.38	2.30	2.27	2.33	2.42	2.47	2.22
3. Transport	5.25	5.06	4.07	3.78	3.70	3.45	3.38	3.49	3.69	3.87
4. Other Sectors	1.80	2.01	1.89	1.73	1.59	1.59	1.72	1.53	1.77	1.60
5. Other	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid Fuels	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2. Industrial Processes</b>	<b>16.85</b>	<b>23.55</b>	<b>25.40</b>	<b>25.98</b>	<b>31.06</b>	<b>26.50</b>	<b>26.30</b>	<b>34.87</b>	<b>31.36</b>	<b>38.36</b>
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	16.78	23.49	25.36	25.92	30.99	26.43	26.23	34.81	31.31	38.32
C. Metal Production	0.06	0.05	0.04	0.06	0.07	0.06	0.07	0.06	0.06	0.04
D. Other Production										
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>3. Solvent and Other Product Use</b>	<b>3.75</b>	<b>3.50</b>	<b>3.02</b>	<b>2.53</b>	<b>2.04</b>	<b>1.55</b>	<b>1.59</b>	<b>1.47</b>	<b>1.30</b>	<b>1.21</b>
<b>4. Agriculture</b>	<b>151.33</b>	<b>148.04</b>	<b>143.31</b>	<b>139.73</b>	<b>145.93</b>	<b>143.36</b>	<b>140.67</b>	<b>137.16</b>	<b>145.24</b>	<b>138.94</b>
A. Enteric Fermentation										
B. Manure Management	9.85	10.06	9.83	9.76	9.58	9.60	9.43	9.47	9.49	9.48
C. Rice Cultivation										
D. Agricultural Soils	141.48	137.97	133.48	129.96	136.36	133.77	131.24	127.69	135.75	129.46
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>5. Land Use, Land-Use Change and Forestry</b>	<b>0.83</b>	<b>0.83</b>	<b>0.84</b>	<b>0.85</b>	<b>0.85</b>	<b>0.85</b>	<b>0.85</b>	<b>0.84</b>	<b>0.84</b>	<b>0.86</b>
A. Forest Land	0.20	0.20	0.20	0.21	0.20	0.20	0.21	0.21	0.21	0.21
B. Cropland	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.63	0.64
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE
<b>6. Waste</b>	<b>8.61</b>	<b>8.67</b>	<b>8.84</b>	<b>8.89</b>	<b>8.83</b>	<b>8.93</b>	<b>8.84</b>	<b>8.87</b>	<b>8.85</b>	<b>8.82</b>
A. Solid Waste Disposal on Land										
B. Waste-water Handling	7.66	7.68	7.76	7.84	7.82	7.82	7.81	7.81	7.79	7.78
C. Waste Incineration	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Other	0.94	0.99	1.07	1.05	1.02	1.11	1.03	1.06	1.06	1.05
<b>7. Other (as specified in Summary 1.A)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Total N<sub>2</sub>O emissions including N<sub>2</sub>O from LULUCF</b>	<b>198.93</b>	<b>202.35</b>	<b>198.05</b>	<b>194.70</b>	<b>205.41</b>	<b>197.35</b>	<b>194.72</b>	<b>200.09</b>	<b>204.70</b>	<b>204.80</b>
<b>Total N<sub>2</sub>O emissions excluding N<sub>2</sub>O from LULUCF</b>	<b>198.10</b>	<b>201.52</b>	<b>197.21</b>	<b>193.85</b>	<b>204.56</b>	<b>196.50</b>	<b>193.87</b>	<b>199.24</b>	<b>203.86</b>	<b>203.95</b>
<b>Memo Items:</b>										
<b>International Bunkers</b>	<b>0.79</b>	<b>0.78</b>	<b>0.79</b>	<b>0.82</b>	<b>0.89</b>	<b>0.93</b>	<b>0.98</b>	<b>1.05</b>	<b>1.05</b>	<b>1.00</b>
Aviation	0.61	0.60	0.60	0.61	0.67	0.73	0.76	0.79	0.80	0.78
Marine	0.18	0.18	0.19	0.21	0.22	0.21	0.21	0.26	0.25	0.22
<b>Multilateral Operations</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>										

Note: All footnotes for this table are given at the end of the table on sheet 5.

**TABLE 10 EMISSION TRENDS**

**N<sub>2</sub>O**

**(Part 3 of 3)**

Inventory 2011

Submission 2013 v1.1

GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2010	2011	Change from base to latest reported year
	(Gg)	(Gg)	%
<b>1. Energy</b>	<b>17,85</b>	<b>18,15</b>	<b>-30,15</b>
A. Fuel Combustion (Sectoral Approach)	17,85	18,15	-30,14
1. Energy Industries	9,20	9,29	-34,15
2. Manufacturing Industries and Construction	2,52	2,59	-42,05
3. Transport	4,18	4,48	12,45
4. Other Sectors	1,92	1,75	-44,93
5. Other	0,03	0,03	-86,75
B. Fugitive Emissions from Fuels	0,00	0,00	-81,44
1. Solid Fuels	NA,NO	NA,NO	0,00
2. Oil and Natural Gas	0,00	0,00	-81,44
<b>2. Industrial Processes</b>	<b>12,14</b>	<b>11,20</b>	<b>-84,53</b>
A. Mineral Products	NA	NA	0,00
B. Chemical Industry	12,09	11,15	-84,58
C. Metal Production	0,05	0,05	-43,65
D. Other Production			
E. Production of Halocarbons and SF <sub>6</sub>			
F. Consumption of Halocarbons and SF <sub>6</sub>			
G. Other	NO	NO	0,00
<b>3. Solvent and Other Product Use</b>	<b>1,17</b>	<b>1,13</b>	<b>-82,39</b>
<b>4. Agriculture</b>	<b>136,24</b>	<b>144,14</b>	<b>-13,58</b>
A. Enteric Fermentation			
B. Manure Management	9,29	9,07	-28,23
C. Rice Cultivation			
D. Agricultural Soils	126,95	135,07	-12,37
E. Prescribed Burning of Savannas	NO	NO	0,00
F. Field Burning of Agricultural Residues	NO	NO	0,00
G. Other	NA	NA	0,00
<b>5. Land Use, Land-Use Change and Forestry</b>	<b>0,87</b>	<b>0,88</b>	<b>6,46</b>
A. Forest Land	0,21	0,21	9,80
B. Cropland	0,66	0,67	5,43
C. Grassland	NO	NO	0,00
D. Wetlands	NE,NO	NE,NO	0,00
E. Settlements	NE	NE	0,00
F. Other Land	NO	NO	0,00
G. Other	NA,NE	NA,NE	0,00

TABLE 10 EMISSION TRENDS

HFCs, PFCs and SF<sub>6</sub>

(Part 1 of 3)

Inventory 2011

Submission 2013 v1.1

GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ( 1990 )	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>Emissions of HFCs<sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>4,592,29</b>	<b>4,214,06</b>	<b>4,376,88</b>	<b>6,361,10</b>	<b>6,853,00</b>	<b>7,012,18</b>	<b>6,699,30</b>	<b>7,459,55</b>	<b>8,167,45</b>	<b>8,452,99</b>
HFC-23	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,01
HFC-32	NA,NO	NA,NO	NA,NO	0,00	0,00	0,00	0,01	0,01	0,02	0,02
HFC-41	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-43-10mee	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO
HFC-125	NA,NO	NA,NO	NA,NO	0,00	0,02	0,04	0,10	0,17	0,23	0,27
HFC-134	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-134a	C,NA,NO	0,00	0,14	1,67	1,79	1,58	1,94	2,29	2,60	2,64
HFC-152a	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	0,72	0,76	0,79	0,75	0,80
HFC-143	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-143a	NA,NO	NA,NO	NA,NO	0,00	0,00	0,01	0,06	0,11	0,16	0,21
HFC-227ea	C,NA,NO	C,NA,NO	C,NA,NO	0,00	0,00	0,00	0,00	0,00	0,00	0,01
HFC-236fa	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-245ca	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Unspecified mix of listed HFCs <sup>(4)</sup> - (Gg CO <sub>2</sub> equivalent)	4,552,51	4,177,40	4,160,79	4,151,56	4,439,00	4,660,65	3,519,81	3,435,57	3,365,06	3,247,07
<b>Emissions of PFCs<sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>2,627,47</b>	<b>2,276,91</b>	<b>2,062,42</b>	<b>1,931,37</b>	<b>1,640,07</b>	<b>1,780,27</b>	<b>1,738,33</b>	<b>1,397,92</b>	<b>1,506,33</b>	<b>1,249,19</b>
CF <sub>4</sub>	0,34	0,30	0,27	0,25	0,21	0,22	0,21	0,16	0,17	0,14
C <sub>2</sub> F <sub>6</sub>	0,04	0,04	0,04	0,03	0,03	0,03	0,03	0,03	0,03	0,03
C <sub>3</sub> F <sub>8</sub>	C,NA,NO	C,NA,NO	C,NA,NO	0,00	0,00	0,00	0,00	0,01	0,01	0,01
C <sub>4</sub> F <sub>10</sub>	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
c-C <sub>4</sub> F <sub>8</sub>	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0,00	0,00	0,00	0,00
C <sub>3</sub> F <sub>12</sub>	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
C <sub>6</sub> F <sub>14</sub>	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Unspecified mix of listed PFCs <sup>(4)</sup> - (Gg CO <sub>2</sub> equivalent)	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
<b>Emissions of SF<sub>6</sub><sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>4,641,63</b>	<b>4,974,85</b>	<b>5,490,51</b>	<b>6,261,79</b>	<b>6,550,73</b>	<b>6,779,16</b>	<b>6,459,81</b>	<b>6,403,57</b>	<b>6,173,03</b>	<b>4,496,71</b>
SF <sub>6</sub>	0,19	0,21	0,23	0,26	0,27	0,28	0,27	0,27	0,26	0,19

Note: All footnotes for this table are given at the end of the table on sheet 5.



**TABLE 10 EMISSION TRENDS**

**HFCs, PFCs and SF<sub>6</sub>**

**(Part 2 of 3)**

Inventory 2011

Submission 2013 v1.1

GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
<b>Emissions of HFCs<sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>7,623,20</b>	<b>8,578,09</b>	<b>9,055,98</b>	<b>8,412,04</b>	<b>8,506,87</b>	<b>8,639,94</b>	<b>8,707,96</b>	<b>8,742,28</b>	<b>8,843,03</b>	<b>9,442,69</b>
HFC-23	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01
HFC-32	0,03	0,04	0,04	0,05	0,06	0,07	0,08	0,09	0,11	0,12
HFC-41	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-43-10mcc	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO	C,NA,NO
HFC-125	0,31	0,33	0,34	0,36	0,39	0,41	0,42	0,43	0,45	0,46
HFC-134	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-134a	2,90	3,62	3,91	3,88	3,92	4,02	4,19	4,27	4,12	4,26
HFC-152a	0,74	1,84	1,58	1,44	1,24	0,76	0,68	0,53	0,38	0,39
HFC-143	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-143a	0,24	0,26	0,27	0,28	0,29	0,30	0,31	0,32	0,34	0,36
HFC-227ea	0,03	0,04	0,04	0,04	0,04	0,03	0,03	0,03	0,03	0,03
HFC-236fa	NA,NO	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-245ca	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Unspecified mix of listed HFCs <sup>(4)</sup> - (Gg CO <sub>2</sub> equivalent)	1,765,44	1,506,07	1,547,79	844,08	771,11	771,24	548,68	431,08	629,77	936,13
<b>Emissions of PFCs<sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>792,18</b>	<b>724,46</b>	<b>789,38</b>	<b>846,54</b>	<b>814,32</b>	<b>694,51</b>	<b>550,41</b>	<b>484,05</b>	<b>472,43</b>	<b>337,70</b>
CF <sub>4</sub>	0,07	0,07	0,08	0,08	0,08	0,06	0,04	0,04	0,05	0,03
C <sub>2</sub> F <sub>6</sub>	0,02	0,02	0,02	0,02	0,02	0,02	0,01	0,01	0,01	0,01
C <sub>3</sub> F <sub>8</sub>	0,02	0,02	0,02	0,02	0,02	0,02	0,02	0,02	0,01	0,01
C <sub>4</sub> F <sub>10</sub>	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
e-C <sub>4</sub> F <sub>8</sub>	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C <sub>3</sub> F <sub>12</sub>	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
C <sub>6</sub> F <sub>14</sub>	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Unspecified mix of listed PFCs <sup>(4)</sup> - (Gg CO <sub>2</sub> equivalent)	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
<b>Emissions of SF<sub>6</sub><sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>4,268,98</b>	<b>3,932,79</b>	<b>3,235,98</b>	<b>3,180,54</b>	<b>3,400,04</b>	<b>3,480,04</b>	<b>3,397,89</b>	<b>3,334,04</b>	<b>3,114,56</b>	<b>3,065,05</b>
SF <sub>6</sub>	0,18	0,16	0,14	0,13	0,14	0,15	0,14	0,14	0,13	0,13

Note: All footnotes for this table are given at the end of the table on sheet 5.

**TABLE 10 EMISSION TRENDS**  
**HFCs, PFCs and SF<sub>6</sub>**  
**(Part 3 of 3)**

Inventory 2011  
 Submission 2013 v1.1  
 GERMANY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2010	2011	Change from base to latest reported year
	(Gg)	(Gg)	%
<b>Emissions of HFCs<sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>8.963,13</b>	<b>9.176,67</b>	<b>99,83</b>
HFC-23	0,01	0,01	115,35
HFC-32	0,14	0,16	100,00
HFC-41	NA,NO	NA,NO	0,00
HFC-43-10mee	C,NA,NO	C,NA,NO	0,00
HFC-125	0,51	0,55	100,00
HFC-134	NA,NO	NA,NO	0,00
HFC-134a	4,21	4,36	100,00
HFC-152a	0,37	0,31	100,00
HFC-143	NA,NO	NA,NO	0,00
HFC-143a	0,37	0,39	100,00
HFC-227ea	0,02	0,02	100,00
HFC-236fa	0,00	0,00	100,00
HFC-245ca	NA,NO	NA,NO	0,00
Unspecified mix of listed HFCs <sup>(4)</sup> - (Gg CO <sub>2</sub> equivalent)	351,83	206,76	-95,46
<b>Emissions of PFCs<sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>285,26</b>	<b>229,60</b>	<b>-91,26</b>
CF <sub>4</sub>	0,03	0,02	-94,18
C <sub>2</sub> F <sub>6</sub>	0,01	0,01	-84,35
C <sub>3</sub> F <sub>8</sub>	0,01	0,01	100,00
C <sub>4</sub> F <sub>10</sub>	NA,NO	NA,NO	0,00
c-C <sub>4</sub> F <sub>8</sub>	0,00	0,00	100,00
C <sub>5</sub> F <sub>12</sub>	NA,NO	NA,NO	0,00
C <sub>6</sub> F <sub>14</sub>	NA,NO	NA,NO	0,00
Unspecified mix of listed PFCs <sup>(4)</sup> - (Gg CO <sub>2</sub> equivalent)	IE,NA,NO	IE,NA,NO	0,00
<b>Emissions of SF<sub>6</sub><sup>(3)</sup> - (Gg CO<sub>2</sub> equivalent)</b>	<b>3.194,04</b>	<b>3.315,68</b>	<b>-28,57</b>
SF <sub>6</sub>	0,13	0,14	-28,57

**Note:** All footnotes for this table are given at the end of the table on sheet 5.

## Chapter II: Quantified economy-wide emission reduction target

In September 2010, the German government adopted the Energy Concept, describing its direction of travel on energy policy for Germany up to 2050 and setting out specific measures to expand renewable energy and the power grids and improve energy efficiency.

In its Energy Concept, the German government set itself the target of reducing the country’s greenhouse gas emissions by 40 % by 2020, 55 % by 2030, 70 % by 2040 and 80 to 95 % by 2050 (compared with the 1990 baseline year).

Table 2 (a)

**Description of quantified economy-wide emission reduction target: base year<sup>a</sup>**

*Party: Germany*

Base year /base period	1990	
Emission reduction target	% of base year/base period 40	% of 1990 <sup>b</sup> 40
Period for reaching target	2020	2020

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

<sup>b</sup> Optional.

Table 2 (b)

**Description of quantified economy-wide emission reduction target: gases and sectors covered<sup>a</sup>**

Gases covered	Base year for each gas (year)
CO <sub>2</sub>	1990
CH <sub>4</sub>	1990
N <sub>2</sub> O	1990
HFCs	1990
PFCs	1990
SF <sub>6</sub>	1990
NF <sub>3</sub>	1990
Other gases	
Sectors covered <sup>b</sup>	<input checked="" type="checkbox"/> Energy <input checked="" type="checkbox"/> Transport <sup>c</sup> <input checked="" type="checkbox"/> Industrial processes <sup>d</sup> <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> LULUCF <input checked="" type="checkbox"/> Waste <input type="checkbox"/> Other (specify)

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

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

<sup>b</sup> 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.

<sup>c</sup> Transport is reported as a subsector of the energy sector.

<sup>d</sup> Industrial processes refer to the industrial processes and solvent and other product use sectors.

Table 2(c)

**Description of quantified economy-wide emission reduction target: global warming potential values (GWP)<sup>a</sup>**

Gases	GWP values <sup>b</sup>
CO <sub>2</sub>	
CH <sub>4</sub>	<b>IPCC Fourth Assessment Report</b>
N <sub>2</sub> O	<b>IPCC Fourth Assessment Report</b>
HFCs	<b>IPCC Fourth Assessment Report</b>
PFCs	<b>IPCC Fourth Assessment Report</b>
SF <sub>6</sub>	<b>IPCC Fourth Assessment Report</b>
NF <sub>3</sub>	<b>IPCC Fourth Assessment Report</b>

Other gases<sup>c</sup>

*Abbreviations:* GWP = global warming potential

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

<sup>b</sup> 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.

<sup>c</sup> Specify.

Table 2(d)

**Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector<sup>a</sup>**

Role of LULUCF	LULUCF in base year level and target	Included <u>Excluded</u>
	Contribution of LULUCF is calculated using	Land-based approach Activity-based approach Other (specify)

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

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

Table 2 (e)I

**Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention<sup>a</sup>**

	Possible scale of contributions (estimated kt CO <sub>2</sub> eq)
CERs	0
ERUs	0
AAUs <sup>b</sup>	0
Carry-over units <sup>c</sup>	0

Other mechanism units under the Convention  
(specify)<sup>d</sup>

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

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

<sup>b</sup> AAUs issued to or purchased by a Party.

<sup>c</sup> 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 XX /CMP.8.

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

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

The information given in the table below on the effect of climate change mitigation actions implemented to date is taken from the 2013 projections report, which was prepared on behalf of the German government by an independent research consortium. The report can be downloaded at <http://cdr.eionet.europa.eu/de/eu/ghgpro/envuucoda/overview>. A detailed description of individual mitigation actions can be found in the Federal Republic of Germany's Sixth National Communication, which was submitted to UNFCCC at the same time as this report.<sup>3</sup>

Table 3

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

<i>Name of mitigation action<sup>a</sup></i>	<i>Sector(s) affected<sup>1</sup></i>	<i>GHG(s) affected</i>	<i>Objective and/ or activity affected</i>	<i>Type of instrument<sup>2</sup></i>	<i>Status of implementation<sup>3</sup></i>	<i>Brief description<sup>4</sup></i>	<i>Start year of implementation</i>	<i>Implementing entity or entities<sup>5</sup></i>	<i>Estimate of mitigation impact (not cumulative, in million tonnes of CO<sub>2</sub> equivalents)</i>		
									<b>2010</b>	<b>2015</b>	<b>2020</b>
Introduction of emissions trading	E	CO <sub>2</sub> , N <sub>2</sub> O, PFC	Cost-effective CO <sub>2</sub> reduction	E	I		2005	F	No information	5	3
Abolition of tax on natural gas	E	CO <sub>2</sub>	Make the option of generating electricity from natural gas more	F	I		2006	F	No information	0	0

<sup>3</sup> Available on the UNFCCC website, <http://www.unfccc.int>

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/ or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
			attractive								
Payment for not using the grid	E	CO <sub>2</sub>	Economic incentive for distributed generators feeding into the grid	E	I		2001	F	No information	0	0
Combined Heat and Power Act	E	CO <sub>2</sub>	Payments for electricity generated in CHP plants  a) large-scale plants  b) micro systems	E	I		2002; amendments in 2008, 2011 and 2012	F	No information	a) 0 b) 1	a) 0 b) 3
Stimulus programme for micro CHP systems	E	CO <sub>2</sub>	Investment grants to install micro CHP systems	E	I		2012	F	No information	0	1
Renewable Energy Act	E	CO <sub>2</sub>	Minimum payment for renewable electricity	R/E	I		2000, several amendments, most recently in 2012	F	No information	7	14



Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/ or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
Electricity savings	E	CO <sub>2</sub>	Reduce electricity consumption compared with the WOM scenario	O	I		2010	F	No information	16	28
CO <sub>2</sub> emissions standard for cars	T	CO <sub>2</sub>	2012-2019: 130 g CO <sub>2</sub> /km; from 2020: 95 g CO <sub>2</sub> /km	R	I		For new registrations from 2007	F	0.1	1.1	2.5
CO <sub>2</sub> emissions standard for light commercial vehicles	T	CO <sub>2</sub>	2014-2019: 175 g CO <sub>2</sub> /km; from 2020: 95 g CO <sub>2</sub> /km	R	I		For new registrations from 2010	F	0.0	0.0	0.1
Biofuel blending	T	CO <sub>2</sub>	Quotas designed to reduce GHG: 3% reduction in GHG emissions from 2015, 4.5% from 2017, 7% from 2020 (=	R	I		2006	F	1.9	2.8	5.1

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/ or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
			12% biofuel in the blend)								
Increasing the efficiency of maritime transport	T	CO <sub>2</sub>	a) CO <sub>2</sub> reduction: 10% by 31.12.2019;  20 % by 31.12.2024;  30 % by 31.12.2025.  b) Energy efficiency management plan	VA	I		From 2011 on:  a) new ships  b) existing ships		0.3	0.9	1.6
HGV toll	T	CO <sub>2</sub>	Increase the toll to between € 0.141/km and € 0.288/km and extend it to apply to highways that have at least four lanes and to HGVs with	E	I		1.1.2009 and 1.8.2012	F	1.4	1.3	1.2

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
			a registered gross weight > 12 tonnes								
Changes to motor vehicle tax	T	CO <sub>2</sub>	Based on CO <sub>2</sub> emissions and cubic capacity of the engine	F	I		2009	F	0.6	0.8	0.8
Aviation tax	T	CO <sub>2</sub>	Flights out of Germany  2012: €7.50-42.18/ticket. Max. total revenue from aviation tax and emissions trading: € 1 billion.	F	I		2011	F	0.0	0.6	0.5
Emissions trading scheme for aviation	T	CO <sub>2</sub>	Limit GHG emissions to 97% of the 2004-2006 average for 2012 and 95 % for 2013	E	B	Cf. footnote 6	Cf. footnote 6	F			

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
Promote electromobility	T	CO <sub>2</sub>	1 million electric vehicles by 2020 and 6 million by 2030	E	I		2010	F	=;=	No information	No information
Increase aviation efficiency	T	CO <sub>2</sub>	a) 2%/per annum increase in efficiency  b) GHG = constant, as a result of alternative fuels	VA	B		a) 2010  b) 2020		0.0	1.6	3.3
KfW programmes	B	CO <sub>2</sub>	Increase the energy efficiency of existing buildings. new buildings and local authority infrastructure	E	I		2014	F	No information	2.39	3.84
Market incentive	B	CO <sub>2</sub>	Installation of	E	B		2014	F	No	0.42	0.7

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/ or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
programme for renewable energies			heat/cooling generators. and heat storage facilities and networks						information		
Energy Conservation Ordinance (EnEV) 2009	B	CO <sub>2</sub>	Minimum energy standards for new buildings and for existing buildings undergoing major refurbishment	R	B		2014	F	No information	1.07	1.55
Renewable Energies Heat Act	B	CO <sub>2</sub>	Share of renewable energy used to meet the heat and cooling demand or specific alternative measures	R	B		2014	F	No information	0.05	0.28

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/ or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
Flanking measures, such as energy performance certificates	B	CO <sub>2</sub>	Providing information to stakeholders	R/O	B		2016	F	No information	0.53	1.17
Energy Consumption Labelling Ordinance (EnVKV)	HH	CO <sub>2</sub>	Statutory labelling for household electrical appliances and some household light bulbs giving information on energy consumption and consumption of other resources	R	I		2012	F	Not <sup>7</sup> relevant	Not <sup>7</sup> relevant	Not <sup>7</sup> relevant
Minimum standards I (EU Ecodesign Directive )	HH	CO <sub>2</sub>	Minimum standards for energy-using products based on “implementing measures”	R	I		2012	F	Not <sup>7</sup> relevant	Not <sup>7</sup> relevant	Not <sup>7</sup> relevant

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
			or lowest life-cycle costs								
Smart metering as a result of the Amendment to the Energy Industry Act (EnWG)	HH	CO <sub>2</sub>	Introduction of smart meters to record electricity consumption in new buildings	R	I		from 2010 in new buildings	F	Not relevant	Not relevant	Not relevant
Emissions trading	TCS	CO <sub>2</sub>	Cap and trade, in particular for energy-intensive industries	E	I		2007	F	No information	0.76	1.52
Special Fund - Energy Efficiency in SMEs	TCS	CO <sub>2</sub>	Linking subsidised energy advice and low-interest loans for SMEs	E	I		2008	F	No information	0.68	1.12
Minimum standards I (EU Ecodesign)	TCS	CO <sub>2</sub>	Minimum standards for	R	I		2010	F	No information	0.19	0.61

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
Directive)			energy-using products						n		
Changes to energy taxation	TCS	CO <sub>2</sub>	Energy tax relief is linked to energy management and voluntary commitments to improving efficiency	E/VA	I		2013	F	No information	0.01	0.02
Programme to promote cross-cutting technologies in SMEs	TCS	CO <sub>2</sub>	Investment grants for cross-cutting technologies (pumps, motors, waste heat etc.)	E	I		2013	F	No information	0.01	0.02
Procurement of energy-efficient products (federal agencies)	TCS	CO <sub>2</sub>	Procurement by federal agencies of energy-efficient products and services	VA	A		2008	F	No information	No information	No information
a) Inclusion in the	IP	N <sub>2</sub> O	Economic	E	B		a) 2013	F	Based on the latest experience with joint		



Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/ or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
EU emissions trading scheme and b) The option of joint implementation projects for adipic and nitric acid plants			incentives to fit N <sub>2</sub> O emission reduction technology to relevant production plant and equipment				b) 2008		implementation projects, we have assumed a 50% emission reduction for nitric acid plants compared with 2009 and a 90% reduction for adipic acid plants.		
Miscellaneous measures: maintenance obligations, compliance with max. leakage rates, substitution	P	Fluorinated GHGs	Minimising the release of fluorinated greenhouse gases	R/VA	B			F			7.4
GAP: Cross compliance, rural development, health check	A	CH <sub>4</sub> , N <sub>2</sub> O	Good agricultural and environmental practice, more extensive farming practices, restructuring the dairy	R/	B		2003	F	Compared with 2010, emissions increase by 0.282 million t CO <sub>2</sub> equivalents by 2020 and decrease by 1.7 million t CO <sub>2</sub> equivalents by 2030.		

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>1</sup>	GHG(s) affected	Objective and/ or activity affected	Type of instrument <sup>2</sup>	Status of implementation <sup>3</sup>	Brief description <sup>4</sup>	Start year of implementation	Implementing entity or entities <sup>5</sup>	Estimate of mitigation impact (not cumulative, in million tonnes of CO <sub>2</sub> equivalents)		
									2010	2015	2020
			sector								
Various legal regulations on waste minimisation and treatment (for example: Technical Instructions on Household Waste, Closed Cycle Management Act Regulations on Municipal Waste, Landfill Ordinance, Federal Water Act)	W	CH <sub>4</sub> , N <sub>2</sub> O	Minimise the release of methane and nitrous oxide	R	B			F	Total GHG emissions in the waste sector decrease by approx. 11 million t CO <sub>2</sub> equivalents from 2005 to 2030 and in the WMS total about 8.4 million t CO <sub>2</sub> equivalents in 2020.		
Total effect of PAMs										47.61	82.42

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

<sup>a</sup> All mitigation actions listed above are included in the “with measures” projection.

<sup>1</sup> Abbreviations: Energy=**E**, Transport=**T**, Buildings sector (Heat/cooling supply)=**B**, Private households (electricity)=**HH**, Industry, trade, commerce and services =**TCS**, Industrial processes =**IP**, Industrial processes/product applications=**P**, Agriculture=**A**, Waste=**W**

<sup>2</sup> Abbreviations: Economic=**E**, Fiscal=**F**, Voluntary agreement=**VA**, Regulatory=**R**, Education=**ED**, Research=**RE**, Other=**O**

<sup>3</sup> Abbreviations: Implemented=**I**, Adopted=**B**, Planned=**G**

<sup>4</sup> Additional information may be provided on the cost of the mitigation actions and the relevant timescale.

<sup>5</sup> Abbreviations: At federal government level=**F**

<sup>6</sup> Since January 2012, aviation has been included in the EU Emissions Trading Scheme pursuant to EU Directive 2008/101/EC. However, on 25.4.2013, the Council adopted a decision derogating

temporarily from the Directive. The derogation is only applicable to flights between EU airports and third countries. Because of the deadline for defining measures, this analysis does not take account of the derogation.

<sup>7</sup> These policies and measures only lead to indirect emission reductions which are accounted for in the energy sector.

Table 4

**Reporting on progress<sup>a, b</sup>**

<i>Year<sup>c</sup></i>	<i>Total emissions excluding LULUCF (kt CO2 eq)</i>	<i>Total emissions including LULUCF (kt CO2 eq)</i>	<i>Contribution from LULUCF<sup>d</sup> (kt CO2 eq)</i>	<i>Quantity of units from market based mechanisms under the Convention (number of units and kt CO2 eq )</i>	<i>Quantity of units from other market based mechanisms (number of units and kt CO2 eq)</i>
Base year/base period: 1990	1.250.263,60	1.214.505,60	Not relevant for meeting targets	Not relevant for meeting targets	Not relevant for meeting targets
2010	943.518,45	952.239,18	Not relevant for meeting targets		
2011	916.495,08	925.829,68	Not relevant for meeting targets		
2012					

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

Note: Data on emissions from LULUCF and total values including LULUCF is identical with that reported under UNFCCC.

Historical annual information on progress towards Germany's economy-wide target for the period beyond 2012 will not be available until 2015.

Table 4(a) II

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

This information is given in the attached table within the CRF dataset:

## INFORMATION TABLE ON ACCOUNTING FOR ACTIVITIES UNDER ARTICLES 3.3 AND 3.4 OF THE KYOTO PROTOCOL

Commitment period accounting: YES

Annual accounting: NO

 GERMANY  
 Inventory 2011  
 Submission 2013 v1.1

Number of the reported year in the commitment period: 4

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	BY(5)	Net emissions/removals(1)					Accounting Parameters <sup>(7)</sup>	Accounting Quantity <sup>(8)</sup>
		2008	2009	2010	2011	Total <sup>(6)</sup>		
		(Gg CO <sub>2</sub> equivalent)						
<b>A. Article 3.3 activities</b>								
<b>A.1. Afforestation and Reforestation</b>							-22.409,85	
A.1.1. Units of land not harvested since the beginning of the commitment period <sup>(2)</sup>		-5.313,15	-5.624,62	-5.699,82	-5.772,26	-22.409,85	-22.409,85	
A.1.2. Units of land harvested since the beginning of the commitment period <sup>(2)</sup>							NA,NO	
<i>CSC KP.A.1.2_1</i>		NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	
<i>KP.A.1.2-1</i>		NO	NO	NO	NO	NO	NO	
<i>KP.A.1.2_1</i>		NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	
<i>Biomass Burning KP.A.1.2_1</i>		NO	NO	NO	NO	NO	NO	
<b>A.2. Deforestation</b>		333,03	83,21	111,61	138,68	666,54	666,54	
<b>B. Article 3.4 activities</b>								
<b>B.1. Forest Management (if elected)</b>		-27.726,24	-27.699,92	-27.705,17	-27.681,89	-110.813,22	-22.733,33	
3.3 offset <sup>(3)</sup>						0,00	0,00	
FM cap <sup>(4)</sup>						22.733,33	-22.733,33	
<b>B.2. Cropland Management (if elected)</b>	0,00	NA	NA	NA	NA	NA	0,00	
<b>B.3. Grazing Land Management (if elected)</b>	0,00	NA	NA	NA	NA	NA	0,00	
<b>B.4. Revegetation (if elected)</b>	0,00	NA	NA	NA	NA	NA	0,00	

<sup>(1)</sup> All values are reported in table 5(KP) of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.

<sup>(2)</sup> In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following Afforestation and Reforestation since 1990 shall not be greater than credits accounted for on that unit of land.

<sup>(3)</sup> In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period, a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3.3 may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under Forest Management under Article 3.4, up to a level that is equal to the net source of emissions under the provisions of Article 3.3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3.3.

<sup>(4)</sup> In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period only, additions to and subtractions from the assigned amount of a Party resulting from Forest Management under Article 3.4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from Forest Management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

<sup>(5)</sup> Net emissions and removals in the Party's base year, as established by decision 9/CP.2.

<sup>(6)</sup> Cumulative net emissions and removals for all years of the commitment period reported in the current submission.

<sup>(7)</sup> The values in the cells "3.3 offset" and "FM cap" are absolute values.

<sup>(8)</sup> The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7.4 of the Kyoto Protocol.

Table 4(b)

**Reporting on progress<sup>a, b, c</sup>*****Kyoto Protocol units<sup>d</sup>******(kt CO2 eq)******Other units<sup>d, e</sup>******(kt CO2 eq)***

<i>AAUs</i>		<i>ERUs</i>		<i>CERs</i>		<i>tCERs</i>		<i>lCERs</i>		<i>Units from market-based mechanisms under the Convention</i>		<i>Units from other market-based mechanisms</i>		
2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Quantity of units</b>						2012				2011				
<b>Total</b>						NA				NA				

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

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

<sup>b</sup> 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.

<sup>c</sup> Parties may include this information, as appropriate and if relevant to their target.

<sup>d</sup> This table includes all units held in the registry of Germany as the process of surrendering units for 2011 and 2012 has not been completed. Information on units surrendered only would be incomplete and could be misleading.

<sup>e</sup> Additional columns for each market-based mechanism should be added, if applicable.

Note: Not applicable until the relevant information is available in 2015 relating to the first year of the commitment period 2013-2020 for Germany's QELRO under the KP CP2. Information on retirement of units in 2010 and 2011 in relation to Germany's QELRO under the KP CP1 can be found in Germany's SEF report submitted under the Kyoto Protocol in April 2013.

## Chapter IV: Projections

The projections presented here are based on the 2013 Projection Report, which the German government submitted to the European Commission on 15 March 2013. For the report, BMU commissioned a consortium of German research institutes to develop a series of scenarios for trends in greenhouse gas emissions in Germany. The analysis of these scenarios included a detailed analysis of climate and energy policy measures instigated (up to October 2012) - a “with measures scenario,” cf. Table 6 - and an analysis of other conceivable climate and energy policy measures (“with additional measures” scenario) and how they might impact on trends in greenhouse gas emissions in Germany. The “with additional measures” scenarios are not included in this report.

The full Projection Report is available online and can be downloaded at <http://cdr.eionet.europa.eu/de/eu/ghgpro/envuucoda/overview>.

Table 5

**Summary of key variables and assumptions used in the projections analysis**

<i>Key underlying assumptions</i>	<i>Unit</i>	<i>Historical</i>	<i>Projected</i>			
		<i>2010</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
Population	thousands	81,856	80,929	80,625	80,020	79,046
Number of households	thousands	40,301	40,120	40,760	40,960	40,970
Population growth	%	-0.30	-0.10	-0.10	-0.10	-0.30
GDP growth rate	%	1.60	1.60	1.10	1.10	1.10
International oil price	USD / boe <sup>a</sup>	80	117.00	127.00	132.00	138.00
International coal price	USD / boe <sup>a</sup>		24.01	25.74	25.81	25.84
International gas price	USD / boe <sup>a</sup>		66.02	72.23	74.98	77.51

<sup>a</sup> Original modelling based on energy prices in EURO. Exchange rates for international energy for the years 2015, 2020, 2025, and 2030 are: 1 EURO = 1.28 USD, 1.22 USD, 1.19 USD, and 1.16 USD respectively. For converting values between boe to GJ, the factor 5.81652 was applied.

Sources: Federal Statistical Office, Bafa, EIA, OECD, calculations by the Öko-Institut and Fraunhofer ISI



Table 6

## Information on updated greenhouse gas projections under a “with measures” scenario

Sector	GHG emissions and removals <sup>1</sup> (Mio. t CO <sub>2</sub> eq)						GHG emissions projections <sup>2</sup> (Mio. t CO <sub>2</sub> eq)			
	Base year <sup>3</sup> (1990/1995)	1995	2000	2005	2010	2011	2015	2020	2025	2030
	Energy <sup>4</sup>	1.020	902	856	824	789	761	754	689	655
Industrial Processes	94	97	77	79	69	69	70	69	65	60
Solvent and other Product Use	5	4	3	2	2	2	2	2	2	2
Agriculture	88	76	76	71	68	70	68	68	67	66
LULUCF	-36	-35	-35	7	9	9	-	-	-	-
Waste	43	40	28	21	15	14	10	10	8	7
<b>Gas</b>										
CO <sub>2</sub> emissions incl. net CO <sub>2</sub> from LULUCF	1.006	895	856	872	835	807	-	-	-	-
CO <sub>2</sub> emissions excl. net CO <sub>2</sub> from LULUCF	1.042	931	891	865	826	798	793	729	694	620
CH <sub>4</sub> emissions incl. CH <sub>4</sub> from LULUCF	110	93	75	59	50	49	-	-	-	-
CH <sub>4</sub> emissions excl. CH <sub>4</sub> from LULUCF	110	93	75	59	50	49	43	40	38	37
N <sub>2</sub> O emissions incl. N <sub>2</sub> O from LULUCF	87	80	62	61	55	57	-	-	-	-
N <sub>2</sub> O emissions excl. N <sub>2</sub> O from LULUCF	87	79	61	61	55	57	55	56	55	53
HFCs	5	7	8	9	9	9	8	7	7	6
PFCs	3	2	1	1	0	0	0	0	0	0
SF <sub>6</sub>	5	7	4	3	3	3	4	5	3	2
<b>Total including LULUCF</b>	<b>1.215</b>	<b>1.083</b>	<b>1.006</b>	<b>1.005</b>	<b>952</b>	<b>926</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total excluding LULUCF</b>	<b>1.250</b>	<b>1.118</b>	<b>1.041</b>	<b>998</b>	<b>943</b>	<b>916</b>	<b>904</b>	<b>837</b>	<b>797</b>	<b>719</b>

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

<sup>1</sup> based on National Inventory Report (NIR) 2013 published on: <http://www.umweltbundesamt.de/emissionen/publikationen.htm>

<sup>2</sup> based on Projection Report 2013 of Germany published on: <http://cdr.eionet.europa.eu/de/eu/ghgpro/envuucoda/overview>

<sup>3</sup> The base year is 1990 for the GHG CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O and 1995 for HFCs, PFCs and SF<sub>6</sub>

<sup>4</sup> The sectoral breakdown differs from that reported in the GHG inventory. The energy sector includes industry and transport (except international air and maritime traffic).

## Chapter V: Provision of financial, technical and capacity-building support to developing countries

The German government further increased its funding up to 2012 to support developing countries in reducing greenhouse gases (GHG), adapting to climate change, and forest and biodiversity conservation (including REDD+). In this way, it is meeting its commitments under the United Nations Framework Convention on Climate Change to provide new and additional funds.

At the Conference of the Parties in Copenhagen at the end of 2009, the industrialised countries pledged to provide additional public funds amounting to 30 billion US dollars for 2010 to 2012 in what is known as fast-start finance for developing countries. The German government's contribution to this totals 1.289 billion euros.

Since there is no universally accepted definition of “new and additional”, Germany has defined additionality with regard to its fast-start pledge as follows: the funds represent an increase over climate-related funds in 2009 or come from an innovative source of finance such as revenue from emissions trading.

The aim was for Germany's fast-start funds to be allocated in a balanced way to projects on emissions reduction, adaptation to climate change and forest and biodiversity conservation (including REDD+). The fast-start finance was made available through the Federal Environment Ministry's International Climate Initiative (IKI) and through the Federal Ministry for Economic Cooperation and Development's (BMZ) international development activities.

The German government uses a broad range of instruments and institutions for its international cooperation activities in the field of climate and development:

- Bilateral financial and technical cooperation,
- Multilateral cooperation such as the Climate Investment Funds, the Kyoto Protocol's Adaptation Fund, the Global Environment Facility, the Forest Carbon Partnership Facility, and multilateral development banks and UN organisations.

The support for mitigation, adaptation, and forest and biodiversity conservation (including REDD+) in developing countries is integrated into Germany's cross-cutting development cooperation strategies and programmes. The International Climate Initiative (IKI) complements the federal government's existing cooperation activities. In implementing the IKI, the government takes guidance both from the resolutions of the Parties to the United Nations Framework Convention on Climate Change and from the principles of the Paris/Accra/Busan Agenda to increase aid effectiveness (which include ownership by the partner countries, using the institutions and procedures in the partner countries, coordination among donors, results orientation and mutual accountability on the part of partners and donors). Technology transfer and capacity building are components of virtually all the government's bilateral cooperation projects and cannot be reported separately.

Table 7

**Provision of public financial support: summary information in 2011<sup>a</sup>**

Allocation channels	<i>EUR</i>				
	Core/ general <sup>a</sup>	Mitigation	Adaptation	Cross-cutting	Other <sup>b</sup>
Total contributions through multilateral channels:					
Multilateral climate change funds	52.545.459,00		50.000.000,00	26.000.000,00	
Other multilateral climate change funds					13.429.000,00
Multilateral financial institutions, including regional development banks		125.000.000,00	15.000.000,00		12.000.000,00
Specialized United Nations bodies				750.000,00	
Total contributions through bilateral, regional and other channels		518.011.668,91	309.436.581,59	81.002.354,00	365.798.820,17

Disbursements for regional programs and multilateral contributions financed by the German 'Energy and Climate Fund'<sup>c</sup>

5.500.000,00 17.300.000,00

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**Total** 52.545.459,00 648.511.668,91 391.736.581,59 107.752.354,00 391.227.820,17

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Methodology: Germany reports new commitments for bilateral contributions and disbursements for multilateral contributions of the relevant year. Since Germany considers 40% of its GEF contribution as climate relevant (see foot note a) its officially communicated contribution to international climate finance in the year 2011 adds up to 1,5602 million Euro. No common currency exchange rate (EURO:USD) was suggested for filling in the format. Using individual currency exchange rates jeopardizes comparability of the provided data. Therefore Germany does not provide data in USD.

<sup>a</sup> In the calculation of Germany's contributions to International climate finance 40 per cent of the contributions to GEF are considered as climate relevant (mitigation).

<sup>b</sup> The majority of contributions under the category "Other" support biodiversity protection and/or REDD+ as a principle objective and contribute significantly to the both climate objectives mitigation and adaptation.

<sup>c</sup> The German 'Energy and Climate Fund' is financed by revenues from the trade of emission certificates.

Currency exchange rate: selected from the bank table, 2012 "budget exchange rate" as at the end of 2011: US\$ 1 = EUR 0.74839

Methodology: Germany uses the term "committed" in reporting bilateral cooperation and "provided" in reporting multilateral cooperation.

Table 7

**Provision of public financial support: summary information in 2012<sup>a</sup>**

Allocation channels	<i>EUR</i>				
	Core/ general <sup>a</sup>	Mitigation	Adaptation	Cross-cutting	Other <sup>b</sup>
Total contributions through multilateral channels:					
Multilateral climate change funds	71.564.914,61		20.000.000,00	11.000.000,00	
Other multilateral climate change funds					13.424.452,10
Multilateral financial institutions, including regional development banks		125.000.000,00	20.000.000,00		17.000.000,00
Specialized United Nations bodies		750.000,00			

Total contributions through bilateral, regional and other channels	559.579.833,00	311.385.666,30	126.423.900,00	398.913.918,00
Disbursements for regional programs and multilateral contributions financed by the German 'Energy and Climate Fund' <sup>c</sup>	9.100.000,00	10.227.609,00		11.059.267,00
<b>Total</b>	<b>71.564.914,61</b>	<b>694.429.833,00</b>	<b>361.613.275,30</b>	<b>137.423.900,00</b>
				<b>440.397.637,10</b>

Methodology: Germany reports new commitments for bilateral contributions and disbursements for multilateral contributions of the relevant year. Since Germany considers 40% of its GEF contribution as climate relevant (see foot note a) its officially communicated contribution to international climate finance in the year 2012 adds up to 1,6625 million Euro.

No common currency exchange rate (EURO:USD) was suggested for filling in the format. Using individual currency exchange rates jeopardizes comparability of the provided data. Therefore Germany does not provide data in USD.

<sup>a</sup> In the calculation of Germany's contributions to International climate finance 40 per cent of the contributions to GEF are considered as climate relevant (mitigation).

<sup>b</sup> The majority of contributions under the category "Other" support biodiversity protection and/or REDD+ as a principle objective and contribute significantly to the both climate objectives mitigation and adaptation.

<sup>c</sup> The German 'Energy and Climate Fund' is financed by revenues from the trade of emission certificates.

Currency exchange rate: selected from the bank table, 2012 "budget exchange rate" as at the end of 2011: US\$ 1 = EUR 0.74839

Methodology: Germany uses the term "committed" in reporting bilateral cooperation and "provided" in reporting multilateral cooperation



Table 7 (a)

**Provision of public financial support: contribution through multilateral channels in 2011<sup>a</sup>**

Donor funding	Total amount		Status <sup>c</sup>	Funding source	Financial instrument	Type of support	Sector	
	Core/general <sup>a</sup>	Climate-specific						
	Domestic currency: EURO	USD <sup>b</sup>	Domestic currency: EURO	USD <sup>b</sup>				
				Provided	ODA	Grant	Mitigation	Energy
				Committed	OOF	Concessional loan	Adaptation	Transport
				Pledged	Others	Non-concessional loan	Cross-cutting	Industry
						Equity	Other	Agriculture
						Other		Forestry
								Water and sanitation
								Cross-cutting
								Other
								Not applicable
<b>Multilateral climate change funds</b>								
1. Global Environment Facility	52.545.459,00			Provided	ODA	Grant	Cross-cutting	Not applicable
2. Least Developed Countries Fund			50.000.000,00	Provided	ODA	Grant	Adaptation	Not applicable
3.Special Climate Change Fund			26.000.000,00	Provided	ODA	Grant	Adaptation and other	Not applicable
4. Adaptation Fund				Provided				
5. Green Climate Fund				Provided	ODA	Grant	Cross-cutting	Not applicable



6. UNFCCC Trust Fund for  
Supplementary Activities

7. Other multilateral climate  
change funds

7.1 Montreal Protocol	7.890.000,00	Provided	ODA	Grant	Other	Not applicable
7.2 IPCC	294.000,00		ODA	Grant	Other	Not applicable
7.3 UNFCCC	5.245.000,00		ODA	Grant	Other	Not applicable
<b>Subtotal</b>	<b>52.545.459,00</b>					<b>89.429.000,00</b>

Multilateral financial institutions,  
including regional development  
banks

1. World Bank						
1.1 Clean Technology Fund	125.000.000,00	Provided	ODA	Concessional loan	Mitigation	Not applicable
1.2 Strategic Climate Fund	15.000.000,00	Provided	ODA	Grant	Adaptation	Not applicable
1.3 Forest Carbon Partnership Facility	12.000.000,00	Provided	ODA	Grant	Other: REDD+	Not applicable
2. International Finance Corporation						
3. African Development Bank						
4. Asian Development Bank						
5. European Bank for Reconstruction and Development						
6. Inter-American Development Bank						

7. Other							
<b>Subtotal</b>		152.000.000,00					
Specialized United Nations bodies							
1. UN Development Programme							
2. UN Environment Programme							
2.1 UNEP Collaborating Centre for Climate and Sustainable Energy Finance		750.000,00	provided	ODA	Grant	Mitigation	Not applicable
3. Other							
<b>Subtotal</b>		750.000,00					
<b>Total</b>	52.545.459,00	242.179.000,00					

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

<sup>a</sup> In the calculation of Germany's contributions to International climate finance 40 per cent of the contributions to GEF are count as climate relevant (mitigation).

<sup>b</sup> No common currency exchange rate (EURO:USD) was suggested for filling in the format. Using individual currency exchange rates jeopardizes comparability of the provided data. Therefore Germany does not provide data in USD.

<sup>c</sup> Germany reports multilateral contributions that were disbursed in the relevant year.

Currency exchange rate: selected from the bank table, 2012 "budget exchange rate" as at the end of 2011: US\$ 1 = EUR 0.74839

Methodology: Germany uses the term "provided" in reporting multilateral cooperation

Table 7 (a)

**Provision of public financial support: contribution through multilateral channels in 2012<sup>a</sup>**

Donor funding	Total amount				Status <sup>c</sup>	Funding source	Financial instrument	Type of support	Sector
	Core/general <sup>a</sup>		Climate-specific						
	Domestic currency: EURO	USD <sup>b</sup>	Domestic currency: EURO	USD <sup>b</sup>			Grant Concessional loan Non-concessional loan Equity Other	Mitigation Adaptation Cross-cutting Other	Energy Transport Industry Agriculture Forestry Water and sanitation Cross-cutting Other
Multilateral climate change funds									
1. Global Environment Facility	71.564.914,61				provided	ODA	Grant	Cross-cutting	Not applicable
2. Least Developed Countries Fund			20.000.000,00		provided	ODA	Grant	Adaptation	Not applicable

3.Special Climate Change Fund	11.000.000,00	provided	ODA	Grant	Adaptation and other	Not applicable
4. Adaptation Fund						
5. Green Climate Fund						
6. UNFCCC Trust Fund for Supplementary Activities						
7. Other multilateral climate change funds						
7.1 Montreal Protocol	7.573.452,10	provided	ODA	Grant	Other	Not applicable
7.2 IPCC	293.000,00	provided	ODA	Grant	Other	Not applicable
7.3 UNFCCC	5.558.000,00	provided	ODA	Grant	Other	Not applicable
<b>Subtotal</b>	<b>71.564.914,61</b>					<b>44.424.452,10</b>

Multilateral financial institutions,  
including regional development banks

1. World Bank

1.1 Clean Technology Fund	125.000.000,00	provided	ODA	Concessional loan	Mitigation	Not applicable
1.2 Strategic Climate Fund	20.000.000,00	provided	ODA	Grant	Adaptation	Not applicable
1.3 Forest Carbon Partnership Facility	17.000.000,00	provided	ODA	Grant	Other: REDD+	Not applicable
2. International Finance Corporation						
3. African Development Bank						
4. Asian Development Bank						
5. European Bank for Reconstruction and Development						
6. Inter-American Development Bank						
7. Other						
<b>Subtotal</b>	<b>162.000.000,00</b>					
Specialized United Nations bodies						
1. UN Development Programme						
2. UN Environment Programme						
2.1 UNEP Collaborating Centre for Climate and Sustainable Energy Finance	750.000	provided	ODA	Grant	Mitigation	Not applicable
3. Other						
<b>Subtotal</b>	<b>750.000</b>					
<b>Total</b>	<b>71.564.914,61</b>		<b>207.174.452,10</b>			

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

<sup>a</sup> In the calculation of Germany's contributions to International climate finance 40 per cent of the contributions to GEF are count as climate relevant (mitigation).

<sup>b</sup> No common currency exchange rate (EURO:USD) was suggested for filling in the format. Using individual currency exchange rates jeopardizes comparability of the provided data.

<sup>c</sup> Germany reports multilateral contributions that were disbursed in the relevant year.

Currency exchange rate: selected from the bank table, 2012 "budget exchange rate" as at the end of 2011: US\$ 1 = EUR 0.74839

Methodology: Germany uses the term "provided" in reporting multilateral cooperation

## Annex I

Supplementary Information with regard to Table 7 (b)

### Provision of public financial support: Contribution through bilateral, regional and other channels for the year 2011 <sup>a</sup>

Recipient country/region	Project/programme title	Climate-specific amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
		Domestic currency: EURO	USD						
<b>Region Africa</b>									<b>Implementing organization</b>
Africa regional	Regional network for integrated waste management in the MENA region	1,800,000.00	2,405,163.08	Committed	ODA	Grant	Mitigation	Waste management/disposal	GIZ
Africa regional	Nile water initiative: planning and management of water resources in the Nile basin	650,000.00	868,531.11	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Africa regional	Strengthening of municipal structures, Maghreb	500,000.00	668,100.86	Committed	ODA	Grant	Adaptation	Others: Urban development and management	GIZ
Algeria	Sustainable local economic development	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Cross-cutting	Others: Business and other services	GIZ
Algeria	Resource management, climate change and energy	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Benin	Promotion of agriculture	317,116.00	423,730.94	Committed	ODA	Grant	Adaptation	Agriculture	GIZ
Burkina Faso	Agricultural development programme	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Adaptation	Agriculture	GIZ
Burkina Faso	Rural development programme/productive agriculture in the south west region and Sissili (PABSO) IV	5,500,000.00	7,349,109.42	Committed	ODA	Grant	Adaptation	Agriculture	KfW
Burundi	Support of MEATTU (Ministère de l'Eau de l'Environnement de l'Assainissement et de l'Aménagement du Territoire et de l'Urbanisme) to improve groundwater protection	750,000.00	1,002,151.28	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ

Burundi	Water sector programme	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Burundi	Programme decentralization and poverty reduction	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Adaptation	Others: Government and Civil Society	GIZ
Burundi	Sector programme water and sanitation, phase III	7,500,000.00	10,021,512.85	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Cameroon	Programme to support the implementation of the national forest programme PSFE	1,187,354.00	1,586,544.45	Committed	ODA	Grant	Cross-cutting	Forestry	GIZ
COMIFAC regional	Programme sustainable forest management in the Congo basin - regional support to the COMIFAC	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
COMIFAC regional	Programme sustainable forest management in the Congo basin - TNS Foundation-	15,500,000.00	20,711,126.55	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	KfW
Egypt	Participatory development programme in urban areas (PDP)	1,250,000.00	1,670,252.14	Committed	ODA	Grant	Adaptation	Others: Urban development and management	GIZ
Egypt	Renewable energy programme - wind farm, Gulf of Suez	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Egypt	Concentrated solar power plant Kom Ombo II	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Ethiopia	Sustainable land management (SLM)	8,945,922.50	11,953,556.97	Committed	ODA	Grant	Adaptation	Agriculture	GIZ
Ethiopia	Sustainable land management (SLM)	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Adaptation	Agriculture	KfW
IGAD regional	Strengthening IGAD's capacity to increase drought resilience in the Horn of Africa	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Adaptation	Others: Conflict prevention and resolution, peace and security	GIZ
IGAD regional	Regional fund for improving drought resilience in the Horn of Africa	20,000,000.00	26,724,034.26	Committed	ODA	Grant	Adaptation	Agriculture	KfW
Kenya	Programme water and Sanitation sector development	340,020.00	454,335.31	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Kenya	Programme private sector development in agriculture	3,831,680.00	5,119,897.38	Committed	ODA	Grant	Adaptation	Industry	GIZ
Liberia	Rehabilitation hydro power station Mount Coffee (Context WAPP)	25,000,000.00	33,405,042.83	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW

Mali	Innovative development plan for adaptation to climate change in Mali	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Adaptation	Cross-cutting	GIZ
Mauritania	Programme management of natural resources	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: Rural Development	GIZ
Mauritania	Funding of the national park Banc d'Arguin	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: Biodiversity	KfW
MENA regional	Adaptation to climate change in the water sector in the MENA Region (ACCWaM)	500,000.00	668,100.86	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Morocco	Desalination of seawater	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Cross-cutting	Water and sanitation	KfW
Morocco	Solar power plant Morocco II	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Morocco	Solar power plant Ouarzazate Morocco	15,000,000.00	20,043,025.70	Committed	ODA	Grant	Mitigation	Energy	KfW
Namibia	Groundwater research in the North of Namibia	250,000.00	334,050.43	Committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
Namibia	Biodiversity management and climate change	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Adaptation	Others: Biodiversity	GIZ
Namibia	Support to debushing	4,000,000.00	5,344,806.85	Committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Agriculture	GIZ
Namibia	Integrated national park management in Namibia	14,000,000.00	18,706,823.98	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Namibia	Labour-intensive road construction V	2,250,000.00	3,006,453.85	Committed	ODA	Grant	Adaptation	Transport	KfW
Namibia	Support to land reform and land management in Namibia's communal areas	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Adaptation	Agriculture	KfW
Namibia	Support to green schemes (accompanying measures)	500,000.00	668,100.86	Committed	ODA	Grant	Adaptation	Agriculture	KfW
Niger	Rural development and productive agriculture	7,720,000.00	10,315,477.22	Committed	ODA	Grant	Adaptation	Agriculture	GIZ
Niger	Rural development programme/productive agriculture	15,000,000.00	20,043,025.70	Committed	ODA	Grant	Adaptation	Agriculture	KfW



SADC regional	Transboundary conservation and use of natural resources in the SADC region	710,000.00	948,703.22	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
SADC regional	Transnational nature preservation area Great Limpopo Park IV	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
SADC regional	Training facilities and programmes for wildlife rangers and managers in the SADC region	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting),	Others: Biodiversity	KfW
Senegal	Promotion of rural electrification and sustainable provision of fuels for households	910,000.00	1,215,943.56	Committed	ODA	Grant	Cross-cutting	Energy generation and supply	GIZ
South Africa	Renewable energy and energy efficiency programme (REEEP)	285,250.00	381,151.54	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
South Africa	Renewable energies in the Southern African power pool (SAPP), Phase III	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
South Africa	Solar energy programme ESKOM	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
South Africa	Developing climate policy capacity within the South African Department of Environmental Affairs and Tourism (DEAT)	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
South Sudan	Development of the urban water and sanitation sector in South Sudan	6,500,000.00	8,685,311.13	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Tunisia	Implementation of convention on climate change	3,500,000.00	4,676,706.00	Committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Tunisia	Sewage disposal in industrial zones	3,500,000.00	4,676,706.00	Committed	ODA	Grant	Cross-cutting	Water and sanitation	KfW
Tunisia	Integrated water resource management climate change	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Uganda	Reform of the urban water and sanitation sector	450,820.00	602,386.46	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Uganda	Promotion of renewable energy and energy efficiency programme	1,129,600.00	1,509,373.46	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ

Zambia	Groundwater information system and management programme	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Zambia	Water sector reform (WSRP)	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Zambia	Rural water supply and sanitation programme II (contribution to NRWSSP basket)	3,500,000.00	4,676,706.00	Committed	ODA	Grant	Adaptation	Others: Biodiversity	KfW
Zambia	Urban water supply and sanitation Eastern Province III	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Zambia	Rural water supply and sanitation programme IV (contribution to NRWSSP basket)	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Africa (Southern African Development Community - SADC)	Development of integrated monitoring systems for REDD+ in the SADC Region	3,365,000.00	4,496,318.76	Committed	ODA	Grant	REDD+	Forestry	GIZ
Africa	Climate finance via further technical cooperation contributions	4,956,578.48		Committed	ODA	Grant	Mitigation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Africa	Climate finance via further technical cooperation contributions	1,523,098.5		Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Other: Biodiversity	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Africa	Climate finance via further technical cooperation contributions	13,686,949.67		Committed	ODA	Grant	Adaptation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious

									organisations
Africa	Climate finance via further technical cooperation contributions	4,106,663.5		Committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Other: Biodiversity	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
<b>Total region Africa</b>		<b>317,416,052.65</b>	<b>391,697,861.41</b>						
<b>Region Asia/Middle East/Southeast Europe</b>									
Afghanistan	Bahlan agriculture project	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Adaptation	Agriculture	GIZ
Afghanistan	Promotion of renewable energies in rural areas programme	4,500,000.00	6,012,907.71	Committed	ODA	Grant	Cross-cutting	Energy generation and supply	GIZ
Afghanistan	Electrification of provinces in Northern Afghanistan I	11,500,000.00	15,366,319.70	Committed	ODA	Grant	Mitigation	Others: Rural Development	KfW
Afghanistan	Regional infrastructure development fund	12,500,000.00	16,702,521.41	Committed	ODA	Grant	Adaptation	Others: Rural Development	KfW
Afghanistan	Expansion of north eastern power supply system to urban centres in the north	13,500,000.00	18,038,723.13	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Albania	Protection of the agrobiodiversity in rural areas	1,200,000.00	1,603,442.06	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Armenia	Programme emission saving in solid waste management Armenia, phase 1 (Vanadzor)	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Mitigation	Waste management/disposal	KfW
Armenia	Support programme for protected areas in the Southern Caucasus - Armenia	4,250,000.00	5,678,857.28	Committed	ODA	Grant	REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Asia regional	ASEAN Center for Biodiversity - small grant programme	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Others: REDD+/Biodiversity	Others: Biodiversity	KfW

							(Cross-cutting)		
Asia regional	Energy efficiency and climate protection in the rural transport sector in the ASEAN-Region	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Mitigation	Transport	GIZ
Asia regional	Biodiversity preservation in the Kailash region	3,000,000.00	4,008,605.14	Committed	ODA	Grant	REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Asia regional	Promotion of regional resource management in the Hindu Kush-Himalaya region (ICIMOD)	175,000.00	233,835.30	Committed	ODA	Grant	Cross-cutting	Others: Rural Development	GIZ
Asia regional	Programme urban development initiative in Asia	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Mitigation	Others: Urban development and management	GIZ
Asia regional: ASEAN	Clean Air and climate protection in the ASEAN-Region	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Mitigation	Others: Environmental protection	GIZ
Bangladesh	Wetland biodiversity protection project	4,000,000.00	5,344,806.85	Committed	ODA	Grant	REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Bangladesh	Climate change adapted urban development in Khulna	250,000.00	334,050.43	Committed	ODA	Grant	Adaptation	Others: Urban development and management	KfW
Bosnia-Herzegovina	Energy efficiency advisory programme	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Bosnia-Herzegovina	Hydropower development programme	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Bosnia-Herzegovina	Water supply and wastewater programme III	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Cambodia	Flood repair measures for rural infrastructures	4,000,000.00	5,344,806.85	Committed	ODA	Grant	Adaptation	Transport	KfW
Cambodia	Rural infrastructure programme RIP III	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Adaptation	Others: Rural Development	KfW
Caucasus (developing countries only)	Sustainable management of biodiversity in the South Caucasus	13,500,000.00	18,038,723.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ

Central Asia regional	Sustainable management of natural resources in Central Asia	3,269,949.00	4,369,311.46	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
China	Capacity building to establish and develop the technical and institutional infrastructure required to achieve the 2020 goals (short title: GHG Monitoring in China)	2,300,000.00	3,073,263.94	Committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
China	Sino-German climate partnership	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Georgia	Renewable energy programme II	3,500,000.00	4,676,706.00	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Georgia	Climate-friendly waste management programme (IKLU)	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Mitigation	Waste management/disposal	KfW
Georgia	Promotion of protected areas, South Caucasus	4,250,000.00	5,678,857.28	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Georgia	Agricultural finance programme (trustee participation)	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Adaptation	Others: Rural Development	KfW
India	Indo-German environmental partnership programme	8,000,000.00	10,689,613.70	Committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
India	Indo-German biodiversity project	4,500,000.00	6,012,907.71	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
India	Consumer policy and consumer protection in India	750,000.00	1,002,151.28	Committed	ODA	Grant	Mitigation	Industry	GIZ
India	NABARD umbrella programme (Phase II)	4,000,000.00	5,344,806.85	Committed	ODA	Grant	Cross-cutting	Agriculture	KfW
India	NABARD umbrella programme (phase II)	10,000,000.00	13,362,017.13	Committed	ODA	Concessional loan <sup>1</sup>	Cross-cutting	Agriculture	KfW
India	Solar PV plant Sakri	27,298,202.33	36,475,904.72	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
India	Municipal infrastructure financing Tamil Nadu, II, Phase	3,850,898.84	5,145,577.63	Committed	ODA	Grant	Mitigation	Banking and financial services	KfW

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India	Aavishkaar social entrepreneurship fund - THB	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Adaptation	Others: Rural Development	KfW
Indonesia	Sustainable urban transport improvement project (SUTIP)	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Mitigation	Transport	GIZ
Indonesia	Policy advice on environment and climate change (PAKLIM)	7,615,734.00	10,176,156.82	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Environmental protection	GIZ
Indonesia	Forests and climate change (FORCLIME)	8,586,913.00	11,473,847.86	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Forestry	GIZ
Indonesia	Emission reduction in cities – solid waste management	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Mitigation	Others: Environmental protection	KfW
Indonesia	Forestry programme II (REDD+)	23,000,000.00	30,732,639.40	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	KfW
Indonesia	Geothermal programme	17,000,000.00	22,715,429.12	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Jordan	Management of water resources programme	238,296.50	318,412.19	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Jordan	Climate protection in the waste water sector	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Mitigation	Water and sanitation	KfW
Jordan	Improving energy efficiency in the water sector	970,125.00	1,296,282.69	Committed	ODA	Grant	Mitigation	Energy	GIZ
Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan	Integrated approaches to the development of climate friendly economies in Central Asia	2,875,000.00	3,841,579.92	Committed	ODA	Grant	Mitigation	Cross-cutting	DIW econ GmbH
Kosovo	Study and expert fund	500,000.00	668,100.86	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Multisector aid for basic social services	GIZ
Kosovo	Development of the energy sector IV - improvement of transmission network	2,500,000.00	3,340,504.28	Committed	ODA	Concessional loan <sup>1</sup>	Mitigation	Energy generation and supply	KfW
Kyrgyzstan	Financing municipal infrastructure	7,000,000.00	9,353,411.99	Committed	ODA	Grant	Mitigation	Others: Conflict prevention and resolution, peace and security	KfW

Laos	Integrated nature conservation and sustainable resource management in the Hin Nam No Region	113,643.00	151,849.97	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Laos	Land management and rural economic development	195,158.50	260,771.12	Committed	ODA	Grant	Adaptation	Others: Rural Development	GIZ
Laos	Sustainable development and protection of forests	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Environmental protection	KfW
Lebanon	Protection of Jeita Spring (BGR)	250,000.00	334,050.43	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Lebanon	Protection of Jeita Spring	3,500,000.00	4,676,706.00	Committed	ODA	Concessional loan <sup>1</sup>	Adaptation	Water and sanitation	KfW
Maldives	Supporting the carbon neutral strategy of the Maldives	3,055,000.00	4,082,096.23	Committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Mekong River Commission	Supporting the MRC in poverty orientated development of sustainable water power	1,050,000.00	1,403,011.80	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Water and sanitation	GIZ
Middle East and Northern Africa	Supporting the Mediterranean Solar Plan (MSP), the Union for the Mediterranean	2,900,000.00	3,874,984.97	Committed	ODA	Grant	Mitigation	Energy	GIZ
Mongolia	Climate change and biodiversity - conservation and sustainable management of natural resources	264,626.00	353,593.71	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Montenegro	Regional programme for energy efficiency	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Nepal	Increasing climate change resilience of vulnerable communities in Humla and Jumla districts, Nepal	190,406.00	254,420.82	Committed	ODA	Grant	Adaptation	Forestry, other: watershed management	The Mountain Institute (TMI)
Nepal	Sub-national governance	751,361.50	1,003,970.52	Committed	ODA	Grant	Adaptation	Others: Government and Civil Society	GIZ
Pakistan	Renewable Energy and Energy Efficiency (REEE)	5,168,000.00	6,905,490.45	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Pakistan	Sustainable Management of Biodiversity in Khyber	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Others: REDD+/Biodiversity	Others: Biodiversity	GIZ

	Pakhtunkhwa						versity (Adaptation)		
Pakistan	Geohazard assessment project Northern Pakistan, Phase II	500,000.00	668,100.86	Committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
Pakistan	Promotion of hydropower and renewable energies in Khyber Pakhtunkhwa, Pakistan	12,500,000.00	16,702,521.41	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Pakistan	Medium hydropower plants Khyber Pakhtunkhwa, Pakistan	30,000,000.00	40,086,051.39	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Pakistan	Multidonor trust fund Pakistan	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Adaptation	Others: Conflict prevention and resolution, peace and security	KfW
Palestinian Territories	Solid waste management Ramallah/AI Bireh	4,000,000.00	5,344,806.85	Committed	ODA	Grant	Cross-cutting	Waste management/disposal	KfW
Palestinian Territories	Wastewater treatment Ramallah region	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Philippines	Protection and restoration of coastal ecosystems for improved adaptation to climate change in the Philippines and the Coral Triangle	4,397,000.00	5,875,278.93	Committed	ODA	Grant	Adaptation	Other: Coastal management	GIZ
Philippines	Programme for sustainable management of natural resources (environment sector programme) II	3,343,943.00	4,468,182.36	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Secretariats of the Pacific Community (SPC)	Regional climate facility for the Pacific island region (AusAID)	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Adaptation	Others: Rural Development	KfW
Serbia	Municipal solid waste and waste water management	2,400,000.00	3,206,884.11	Committed	ODA	Grant	Cross-cutting	Others: Government and Civil Society	GIZ
Serbia	Energy efficiency in public buildings	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Serbia	Modernisation of the ash disposal system in Nikola Tesla	2,750,000.00	3,674,554.71	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Serbia	Rehabilitation of hydropower plants Vlasinske	8,000,000.00	10,689,613.70	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW



Southeast Europe	Green for Growth Fund - GGF II	19,000,000.00	25,387,832.55	Committed	ODA	Grant	Mitigation	Banking and financial services	KfW
Southeast Europe (developing countries only)	Protection and sustainable use of biodiversity in the area of the Great Lakes Prespa, Ohrid and Shkodar	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Thailand	Thailand forest carbon baseline development, monitoring and REDD+ capacity building	1,730,207.00	2,311,905.56	Committed	ODA	Grant	REDD+	Forestry	WWF - Germany
Timor-Leste	Managing agro-biodiversity for sustainable livelihoods	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Turkey	Solar power plant East Anatolia	15,000,000.00	20,043,025.70	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Turkmenistan	Sustainable forest management	838,222.00	1,120,033.67	Committed	ODA	Grant	REDD+	Forestry	GIZ
Ukraine	Climate change mitigation focus in economic development in the Donetsk region as a model	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Mitigation	Industry	GIZ
Ukraine	Modernisation of public transport in Lviv (phase II)	4,974,034.00	6,646,312.75	Committed	ODA	Grant	Mitigation	Transport	European Bank for Reconstruction and Development
Ukraine	Capacity building for low carbon growth in Ukraine	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Mitigation	Cross-cutting	United Nations Development Programme (UNDP)
Ukraine	Energy efficiency in buildings	4,000,000.00	5,344,806.85	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Ukraine	Support of conservation areas	8,000,000.00	10,689,613.70	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Ukraine	Municipal energy efficiency programme	12,000,000.00	16,034,420.56	Committed	ODA	Concessional loan <sup>1</sup>	Mitigation	Others: Urban development and management	KfW
Viet Nam	Sewage disposal and waste management in provincial towns	592,400.00	791,565.89	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Viet Nam	Biodiversity preservation in forestal ecosystems	103,888.00	138,815.32	Committed	ODA	Grant	REDD+/Biodiversity	Others: Biodiversity	GIZ

							(Cross-cutting)		
Viet Nam	Integrated coastal and mangrove forest protection in the Mekong provinces for adaptation to climate change	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: Environmental protection	GIZ
Viet Nam	Programme sustainable management of natural forest and trade and marketing of important forest products	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Cross-cutting	Forestry	GIZ
Viet Nam	Sustainable forest management and biodiversity as a means to decrease CO <sub>2</sub> emissions	15,000,000.00	20,043,025.70	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Forestry	KfW
Viet Nam	Environmentally and climate-friendly urban development in Da Nang	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Cross-cutting	Others: Urban development and management	GIZ
Viet Nam	O Mon IV - combined cycle gas turbine power plant	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Viet Nam	Decrease of the emissions intensity in electric power supply	11,000,000.00	14,698,218.84	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Viet Nam	Phu Lac wind park	7,000,000.00	9,353,411.99	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Viet Nam, Laos	Prevention of deforestation, forest degradation and leakage effects in the border area of central Viet Nam and in the south of Laos for long-term maintenance of carbon sinks and biodiversity	7,000,000.00	9,353,411.99	Committed	ODA	Grant	REDD+	Forestry	KfW
Viet Nam, Laos	Advancing understanding of forest carbon stock enhancement as part of REDD+	1,341,211.00	1,792,128.44	Committed	ODA	Grant	REDD+	Forestry	SNV Viet Nam
Yemen	Institutional development of the water sector	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Yemen	Water sector crisis programme	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Region Asia/Middle East/Southeast Europe	Climate finance via further technical cooperation contributions	13,689,993.54		Committed	ODA	Grant	Mitigation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-

									governmental and religious organisations
Region Asia/Middle East/Southeast Europe	Climate finance via further technical cooperation contributions	2,944,608.00		Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Region Asia/Middle East/Southeast Europe	Climate finance via further technical cooperation contributions	21,307,738.98		Committed	ODA	Grant	Adaptation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Region Asia/Middle East/Southeast Europe	Climate finance via further technical cooperation contributions	3,899,447.00		Committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: Biodiversity	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
<b>Total region Asia/Middle East/Southeast Europe</b>		<b>572,631,006.19</b>	<b>709,241,463.23</b>						
<b>Region Latin America/Caribbean</b>									
America regional	Development, harmonisation and implementation of quality standards for energy efficiency and renewable energies in Latin America and the Caribbean	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Mitigation	Industry	GIZ
America regional	Trinational initiative: promoting national protected area systems in Colombia, Ecuador, and Peru	4,500,000.00	6,012,907.71	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-	Others: Biodiversity	GIZ

							cutting)		
BCIE regional	Accompanying measure - water and sanitation programme in Central America	4,000,000.00	5,344,806.85	Committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Bolivia	Management of nature protection areas and peripheral areas	500,000.00	668,100.86	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Bolivia	Programme for integrated water and sanitary supply/provision	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Bolivia	Irrigation project San Isidro	5,750,000.00	7,683,159.85	Committed	ODA	Grant	Adaptation	Agriculture	KfW
Bolivia	National irrigation programme SIRIC II	2,500,000.00	3,340,504.28	Committed	ODA	Concessional loan <sup>1</sup>	Adaptation	Agriculture	KfW
Bolivia	National irrigation programme SIRIC II - support measures	500,000.00	668,100.86	Committed	ODA	Grant	Adaptation	Agriculture	KfW
Bolivia	Strengthening management and consolidation of the protected areas system	400,000.00	534,480.69	Committed	ODA	Grant	REDD+	Forestry	The Nature Conservancy (TNC)
Brazil	Prevention, control and monitoring of fires in the Brazilian Cerrado	8,500,000.00	11,357,714.56	Committed	ODA	Grant	REDD+	Forestry	GIZ, KfW
Brazil	Protection and sustainable management of indigenous areas	410,266.00	548,198.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Human rights	GIZ
Brazil	Support of technical cooperation projects in tropical rainforests (Amazonia and Acre)	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Brazil	Renewables energies and energy efficiency in cities	2,500,000.00	3,340,504.28	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Brazil	Promotion of protected areas and sustainable management	2,650,265.00	3,541,288.63	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Brazil	Protection and sustainable management of indigenous	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Others: REDD+/Biodiversity	Others: Human rights	GIZ

	areas						versity (Cross-cutting)		
Brazil	CP - regional planning and development in Amazonia	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Environmental protection	GIZ
Brazil	Programme renewable energy and energy efficiency in Brazil	4,880,265.00	6,521,018.45	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Brazil	CP - Regional planning and development in Amazonia	910,265.00	1,216,297.65	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Brazil	Combat against deforestation in the state of Pará	12,500,000.00	16,702,521.41	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	KfW
Brazil	Cooperation project - regional protected areas in the Amazon (ARPA II)	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	KfW
Brazil	Solar panel programme World Cup 2014 Brazil, BNDES	14,000,000.00	18,706,823.98	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Brazil	Rural ambiental registration in the Amazon (CAR)	8,000,000.00	10,689,613.70	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	KfW
Central America regional	Contribution of capital to the Fondo para el Sistema Arrecifal Mesoamericano - Fondo SAM	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Chile	programme for energy efficiency and renewable energy in Chile	8,000,000.00	10,689,613.70	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Colombia	Environmental protection at local government level	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Cross-cutting	Others: Environmental protection	KfW
Costa Rica	REN@EARTH - facilitating clean energy knowledge acquisition (for students) in the humid tropics with a multiplier effect	930,200.00	1,242,934.83	Committed	ODA	Grant	Mitigation	Cross-cutting	EARTH University

Costa Rica	Support of Costa Rica's zero-emission development strategy as model for low carbon development	3,500,000.00	4,676,706.00	Committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Dominican Republic	Fast-track development of 2 transformative climate-compatible development plans	1,744,762.00	2,331,353.97	Committed	ODA	Grant	Mitigation	Cross-cutting	CfRN-Coalition for Rainforest Nations
Dominican Republic, Haiti, Jamaica (the Greater Antilles of the Caribbean)	Designing and communicating low carbon energy roadmaps for small island states of the Caribbean	1,350,512.00	1,804,556.45	Committed	ODA	Grant	Mitigation	Energy	Worldwatch Institute
ECLAC / CEPAL	Promoting low carbon development and social cohesion in Latin America and Caribbean	4,025,000.00	5,378,211.89	Committed	ODA	Grant	Mitigation	Others: Government and Civil Society	GIZ
Ecuador	Switching from fossil fuels to biofuels on the Galapagos islands	504,785.00	674,494.58	Committed	ODA	Grant	Mitigation		GIZ
Ecuador	Biodiversity, climate-change and sustainable development	6,500,000.00	8,685,311.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Ecuador	Programm on sustainable management of natural resources	1,275,451.00	1,704,259.81	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Ecuador	Programme for forest conservation and REDD	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Forestry	KfW
Ecuador	Municipal development	2,250,000.00	3,006,453.85	Committed	ODA	Concessional loan <sup>1</sup>	Adaptation	Others: Urban development and management	KfW
El Salvador	Promotion of solar energy in El Salvador	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
El Salvador	Support of the national plan to waste management improvement	500,000.00	668,100.86	Committed	ODA	Loan <sup>1</sup>	Mitigation	Waste management/disposal	KfW
Guatemala	Preparation of a REDD+ project for tropical forest protection and sustainable community development in the Sierra del Lacandón National Park in	874,714.00	1,168,794.35	Committed	ODA	Grant	REDD+	Forestry	OroVerde – Die Tropenwaldstiftung

	Guatemala								
Guyana	Conservation of tropical forest-Guyana protected area system (GPAS), phase III	4,300,000.00	5,745,667.37	Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	KfW
Honduras	Promotion of sustainable use of natural resources and local economic development	165,000.00	220,473.28	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Rural Development	GIZ
Honduras	Protection of natural resources, local economic development and climate protection	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Honduras	Consolidation of the national protected areas system	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Mexico	Access and benefit sharing of biodiversity	6,000,000.00	8,017,210.28	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Mexico	Sustainable energy programme	6,100,000.00	8,150,830.45	Committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Mexico	Protection of biodiversity in Sierra Madre Oriental	7,000,000.00	9,353,411.99	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Mexico	Accompanying measure - Municipal Environmental Protection programme	1,000,000.00	1,336,201.71	Committed	ODA	Grant	Mitigation	Water and sanitation	KfW
Mexico	Energy Efficiency and Renewable Energy programme	16,000,000.00	21,379,227.41	Committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Mexico	Biodiversity Conservation in the Eastern Sierra Madre and the Gulf of Mexico	15,000,000.00	20,043,025.70	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW

Mexico	Innovative mechanisms for a cooperative climate change adaptation programme in Sierra Madre and the coast of Chiapas, Mexico	1,499,889.00	2,004,154.25	Committed	ODA	Grant	Adaptation	Others: Watershed management	The Nature Conservancy
Mexico, Ghana	Assessing and capitalizing on the potential to enhance forest carbon sinks through forest landscape restoration while benefitting biodiversity	596,655.00	797,251.43	Committed	ODA	Grant	REDD+	Forestry	IUCN – International Union for Conservation of Nature
Peru	Adaptation of public investments to climate change	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Adaptation	Cross-cutting	GIZ
The Caribbean: Grenada, Jamaica, Belize, Guyana, St, Lucia	Regional institutions, adaptation, and insurance: expanding coverage for medium-level weather extremes in vulnerable countries using risk reduction and innovative insurance solutions	2,035,530.00	2,719,878.67	Committed	ODA	Grant	Adaptation	Other: Climate insurance	Munich Climate Insurance Initiative (MCII)
Latin America/Caribbean	Climate finance via further technical cooperation contributions	7,796,764.68		Committed	ODA	Grant	Mitigation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Latin America/Caribbean	Climate finance via further technical cooperation contributions	2,519,494.89		Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Latin America/Caribbean	Climate finance via further technical cooperation contributions	14,696,015.32		Committed	ODA	Grant	Adaptation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and



									religious organisations
Latin America/Caribbean	Climate finance via further technical cooperation contributions	6,352,219.34		Committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: Biodiversity	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
<b>Total Region Latin America/Caribbean</b>		<b>267,518,053.23</b>	<b>315,548,790.07</b>						
<b>Global</b>									
Indonesia, Mexico, Philippines, Tunisia	Inventory of methods for climate adaptation	2,479,085.00	3,312,557.62	Committed	ODA	Grant	Adaptation	Cross-cutting	GIZ
Turkey, Brazil, Argentina, Chile, Senegal, Viet Nam	Initial funding of local project development companies for renewable energy projects in developing countries	2,520,000.00	3,367,228.32	Committed	ODA	Grant	Mitigation	Energy	KfW Entwicklungsbank
Global	Participant-orientated development programme in poor urban areas	2,000,000.00	2,672,403.43	Committed	ODA	Grant	Mitigation	Cross-cutting	DEG - Deutsche Investitions- und Entwicklungsgesellschaft mbH
Global	Innovative tools to lower the entry barriers and allow for scaling-up of carbon market activities in under-represented regions	2,236,442.00	2,988,337.63	Committed	ODA	Grant	Mitigation	Cross-cutting	The Gold Standard Foundation
Global	Building MRV standards and capacity in key developing economies	4,000,000.00	5,344,806.85	Committed	ODA	Grant	Mitigation	Cross-cutting	World Resources Institute
Global	Stimulating ambitious nationally appropriate mitigation actions (NAMAs) to reduce GHGs in developing countries	1,900,000.00	2,538,783.25	Committed	ODA	Grant	Mitigation	Cross-cutting	Centre for Clean Air Policy
Global	Placement of technical experts for capacity building in climate-related areas	1,623,955.00	2,169,931.45	Committed	ODA	Grant	Adaptation	Cross-cutting	GIZ

Global	Enhancing low-carbon development by greening the economy: policy dialogue, advisory services, benchmarking	3,000,000.00	4,008,605.14	Committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Global	Analytical support for the creation and operation of the registry for recording NAMAs and facilitating matching of support	299,622.00	400,355.43	Committed	ODA	Grant	Mitigation	Cross-cutting	Ecofys
Global	Global ideas - jointly for climate protection	3,005,590.00	4,016,074.51	Committed	ODA	Grant	Mitigation	Cross-cutting	DW TV
Global	Survive: science and policy to assist and support SIDS and LDCs to negotiate a strong international climate regime enabling low-carbon development and supporting adaptation needs	3,988,304.00	5,329,178.64	Committed	ODA	Grant	Adaptation	Cross-cutting	Potsdam Institute for Climate Impact Research (PIK)
Global	Non-renewable biomass fraction	215,451.00	287,886.00	Committed	ODA	Grant	Mitigation	Cross-cutting	Perspectives GmbH
Global	Foundation "Future of the carbon market"	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Mitigation	Cross-cutting	KfW
Global	Independent network for REDD+ funds tracking	1,873,248.00	2,503,037.19	Committed	ODA	Grant	REDD+	Forestry	Forest Trends Association
Global	Pilot testing of Global Bioenergy Partnership (GBEP) criteria and indicators for sustainable bioenergy in targeted developing countries	640,000.00	855,169.10	Committed	ODA	Grant	Mitigation	Energy	Food and Agriculture Organization of the United Nations (FAO)
Global: South Africa, Philippines, Brazil	Ecosystem-based adaptation in marine, terrestrial and coastal regions as a means of improving livelihoods, conserving biodiversity and adapting to climate change	4,385,991.00	5,860,568.69	Committed	ODA	Grant	Adaptation	Cross-cutting	Conservation International Foundation
Global; Bangladesh, Dominican Republic, Kenya, Maldives, Mexico, and Peru	Strengthening transparency, accountability, anticorruption and public oversight in climate governance and finance for adaptation, mitigation, REDD+ and climate-friendly economy	2,453,314.00	3,278,122.37	Committed	ODA	Grant	REDD+	Cross-cutting	Transparency International
Ethiopia and 3 further countries	Low carbon development plans (Ethiopia low carbon growth & 3 additional countries)	4,987,500.00	6,664,306.04	Committed	ODA	Grant	Mitigation	Cross-cutting	Global Green Growth Institute (GGGI)

Congo Basin, Brazil	REDD+ Policy Assessment Centre (REDD+-PAC)	4,542,089.00	6,069,147.10	Committed	ODA	Grant	REDD+	Forestry	International Institute for Applied Systems Analysis (IIASA)
Global	Consultancy and investment fund for ozone protection (Ozone Fund) (continuation)	1,500,000.00	2,004,302.57	Committed	ODA	Grant	Mitigation	Others: Environmental protection	GIZ
Global	International water politics and infrastructure	1,750,000.00	2,338,353.00	Committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Global	Climate protection programme for developing countries	5,000,000.00	6,681,008.57	Committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Global	PROKLIMA - substitution of ozone-depleting substances	990,000.00	1,322,839.70	Committed	ODA	Grant	Mitigation	Others: Environmental protection	GIZ
Global	Agricultural policy and food security	395,000.00	527,799.68	Committed	ODA	Grant	Adaptation	Agriculture	GIZ
Global	Special project combatting desertification	1,100,000.00	1,469,821.88	Committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
Global	Biodiversity preservation in rural areas	90,000.00	120,258.15	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Global	Implementation of the Convention on Biological Diversity	2,300,000.00	3,073,263.94	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Global	Environmental politics and sustainable development	1,150,000.00	1,536,631.97	Committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
Global	Support of international forest-related programmes (IWRP)	3,600,000.00	4,810,326.17	Committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Global	Energizing development	10,000,000.00	13,362,017.13	Committed	ODA	Grant	Cross-cutting	Energy generation and supply	GIZ
Global	Sector programme "Sustainable economic development"	1,830,000.00	2,445,249.13	Committed	ODA	Grant	Cross-cutting	Others: Business and other services	GIZ
Global	Innovation transfer into agriculture - adaption to climate change	4,800,000.00	6,413,768.22	Committed	ODA	Grant	Adaptation	Agriculture	GIZ

Global	International agricultural research	7,900,000.00	10,555,993.53	Committed	ODA	Grant	Adaptation	Agriculture	GIZ
Global	Climate finance via further technical cooperation contributions	6,132,093.04		Committed	ODA	Grant	Mitigation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Global	Climate finance via further technical cooperation contributions	978,685.94		Committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: Biodiversity	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
Global	Climate finance via further technical cooperation contributions	11,017,942.62		Committed	ODA	Grant	Adaptation	Cross-cutting	Financial contributions to other implementing organisations (DED, InWEnt, CIM), non-governmental and religious organisations
<b>Total global</b>		<b>116,684,312.60</b>	131,690,149.52						
<b>Total climate finance</b>		<b>1,274,249,424.67</b>	<b>1,548,178,264.23</b>						

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

<sup>a</sup> Parties should fill in a separate table for each year, namely 20XX-3 and 20XX-2, where 20XX is the reporting year.

<sup>b</sup> Parties should report, to the extent possible, on details contained in this table.

<sup>c</sup> 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.

<sup>d</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>e</sup> Parties should report, as appropriate, on project details and the implementing agency.

<sup>f</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>g</sup> Please specify.

<sup>h</sup> This refers to funding for activities which are cross-cutting across mitigation and adaptation.

Currency exchange rate: selected from the bank table, 2012 “budget exchange rate” as at the end of 2011: US\$ 1 = EUR 0.74839

Methodology: For bilateral cooperation, Germany reports the “committed” funds because they reflect the new commitments the government has entered into.

Table 7 (b)

**Provision of public financial support: Contribution through bilateral, regional and other channels for the year 2012<sup>a</sup>**

Recipient Country/Region	Project/ Programme title	Climate specific amount		Status	Funding Source	Financial instrument	Type of Support	Sector	Additional Information
		Domestic currency: EURO	USD						
<b>Region Africa</b>									<b>Implementing organization</b>
Africa	African Carbon Asset Development (ACAD)	1.000.000,00		committed	ODA	Grant	Mitigation	Cross-cutting	UNEP
Africa regional	Improving the Quality Infrastructure for Solar Energy in Maghreb	2.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Benin	Programme Water and Sanitation Supply	250.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Burkina Faso	Agricultural Development Program	2.000.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
Burkina Faso	Rural Development Programme/ productive agriculture in the south west region and Sissili (PABSO) IV	2.500.000,00		committed	ODA	Grant	Adaptation	Agriculture	KfW
Burkina Faso, Ghana, Kenya	A Global Early Warning System for Climate Change - A Case Study for Designing the System	618.451,06		committed	ODA	Grant	Adaptation	Cross-cutting	UNEP
Burundi	Program to support decentralisation and poverty reduction	2.700.000,00		committed	ODA	Grant	Adaptation	Government and Civil Society	GIZ
CEPGL - Communauté économique des pays des grands lacs	Improvement of energy-supply in the great-lakes region, switching station Kamanyola	10.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
COMIFAC	Programme sustainable forest management in the Congo basin - regional support to	1.600.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ

	the COMIFAC								
Cote d'Ivoire	Rural Economic Development and Biodiversity	500.000,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ	
Cote d'Ivoire	Promotion of agricultural value chains and development of the Tai area.	9.000.000,00	committed	ODA	Grant	Cross-cutting	Agriculture	GIZ	
Cote d'Ivoire	Protection of Biodiversity in Tai-Sapo-Forest Corridor (Cote d'Ivoire)	5.000.000,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW	
Egypt	Egyptian-German High Level Joint Committee on Renewable Energy & Energy Efficiency and Environmental Protection (JCEE)	170.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ	
Egypt	Water Supply and Wastewater Management Programme	100.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	GIZ	
Egypt	Private Sector Development Project (PSDP)	2.085.000,00	committed	ODA	Grant	Mitigation	Business and other services	GIZ	
Egypt	Joint Integrated Sector Approach Irrigation II (JISA II)	7.500.000,00	committed	ODA	Grant	Adaptation	Agriculture	KfW	
Egypt	Coastal Protection I	10.000.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	KfW	
Egypt	Concentrated Solar Power Plant Kom Ombo II	20.000.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	KfW	
Ethiopia	Sustainable land management (SLM)	2.250.000,00	committed	ODA	Grant	Adaptation	Agriculture	GIZ	
Ethiopia	Providing support in humanitarian crisis situations and strengthening resilience against food insecurity in Ethiopia	12.000.000,00	committed	ODA	Grant	Adaptation	Developmental food aid/ Food security assistance	KfW	

Ghana	Quality Assurance of Agricultural Commodities through improved Services in Measuring and Testing	500.000,00		committed	ODA	Grant	Adaptation	Others: Trade policy and regulations	GIZ
Ghana	Renewable Energy Programme: Pilot Photovoltaic Project	20.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Ghana	WAPP Transmission Line Ghana-Côte d'Ivoire (section Ghana)	19.700.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Ghana	Innovative Insurance Products for+B28 Climate Change Adaptation	1.582.001,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
Ghana	Market-oriented Agriculture Programme	4.200.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
IGAD	Strengthening IGAD's capacity to increase drought resilience in the Horn of Africa	500.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
IGAD	Regional Fund for Improving Drought Resilience in the Horn of Africa	5.000.000,00		committed	ODA	Grant	Adaptation	Agriculture	KfW
Kenya	Programme Water and Sanitation Sector Development	200.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Congo, Democratic Republic	Programme biodiversity and sustainable forest management	2.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Congo, Democratic Republic	Programme biodiversity and sustainable forest management	22.300.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Congo, Democratic Republic	Sector Programme Water	5.750.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Congo, Democratic Republic	sector programme water, accompanying measure	1.250.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW



	Trust funds for the support to the national forest- and environmental protection programme	7.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Congo, Democratic Republic	Programme biodiversity and sustainable forest management	5.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Congo, Democratic Republic	Development of a carbon storage map and carbon payment model regions for the DR Congo forest belt	6.050.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	KfW
Liberia	Capacity Development in the Transport Sector	3.000.000,00		committed	ODA	Grant	Mitigation	Transport	GIZ
Liberia	Protection of Biodiversity in Tai-Sapo-Forest Corridor (Sapo-Park Liberia)	6.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Madagascar	Program protection and use of natural resources	300.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Mauritania	Programme for Management of natural Resources	1.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Mauritania	Programme for Management of natural Resources	4.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Rural Development	GIZ
Morocco	Adaptation to Climate Change	300.000,00		committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
Morocco	Adaptation to Climate Change/ Implementation of the Nagoya Protocol	6.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Morocco	Integrated Water Resources Management	1.100.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Morocco	Environmental Programme	200.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Morocco	Environmental Programme	3.950.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ

Morocco	Wind power program Phase 2	9.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Morocco	Wind power program (special fund for climate protection IKLU)	8.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Morocco	Rural drinking water supply	3.500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Morocco	Integrated management of water resources	2.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Morocco	rural drinking water supply of Douars (technical assistance)	500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Morocco	Solar power plant Ouzazate	32.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Morocco	Integrated management of water resources	7.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Morocco	Integrated management of water resources (technical assistance)	1.050.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Mozambique	Decentralised Infrastructure	5.000.000,00		committed	ODA	Grant	Adaptation	Others: Rural Development	KfW
Mozambique	Comparticipação na Fundação moçambicana para Areas da Conservação e da Bioverdiversidade BIOFUND	10.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Namibia	Programme for Renewable Energy and Energy Efficiency	7.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Niger	Rural Development and Productive Agriculture	2.250.000,00		committed	ODA	Grant	Adaptation	Others: Rural Development	GIZ
Nigeria	Green credit line	8.520.000,00		committed	ODA	Grant	Cross-cutting	Others: Banking and financial services	KfW
Nigeria	Clean Cooking	2.500.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Nigeria	Green credit line (accompanying measure)	750.000,00		committed	ODA	Grant	Cross-cutting	Others: Post-secondary education	KfW

Nigeria	Clean Cooking (accompanying measure)	250.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Ruanda	Preliminary Study: Piloting multiple-benefit investment "Packages" through forest/landscape restoration and REDD+ in Rwanda for scaling up in Central- and West Africa	188.330,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	International Union for Conservation of Nature (IUCN)
SADC	Kavango - Zambesi Transfrontier Conservation IV	15.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
SADC	Transfrontier conservation area Great Limpopo Park IV	7.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
SADC	Malawi-Zambia Transfrontier Conservation Area	13.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Senegal	Technical Cooperation Programme Renewable Energy, Energy Efficiency, Access to Energy	10.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Senegal	Financial Cooperation Programme Renewable Energy, Energy Efficiency and Access to Energy	28.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Senegal	Promotion of rural electrification and sustainable provision of fuels for households	1.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Senegal	Decentralisation programme in consideration of peacekeeping in Casamance Region	3.000.000,00		committed	ODA	Grant	Adaptation	Others: Urban development and management	KfW
Sierra Leone	Employment promotion for youth	3.000.000,00		committed	ODA	Grant	Adaptation	Others: Employment policy	GIZ

South Africa	Skills Development for Climate and Environment Business	2.500.000,00		committed	ODA	Grant	Cross-cutting	Others: Vocational training	GIZ
South Africa	Energy Efficiency Programme with the IDC (Green Energy Efficiency Fund)	9.250.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
South Africa	Climate-Friendly Mobility	8.250.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
South Africa	Renewable Energies in the Southern African Power Pool (SAPP) IV	10.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
South Africa	Energy Efficiency Programme with the IDC (Green Energy Efficiency Fund) (Accompanying Measure)	500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
South Africa	Climate-Friendly Mobility (Accompanying Measure)	2.500.000,00		committed	ODA	Grant	Mitigation	Others: Environmental protection	KfW
South Africa	Programme for Renewable Energy and Energy Efficiency (South African-German Energy Programme, SAGEN)	2.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
South Africa	Development of Innovative Logistics and Supply Structures in the Refrigerated Transport Sector in South Africa	3.020.000,00		committed	ODA	Grant	Mitigation	Transport	GIZ
Tanzania	Water Sector Development Programme	5.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Tanzania	Protection and sustainable use of biodiversity in Tanzania	3.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Tanzania	Support to Local Governance Processes	750.000,00		committed	ODA	Grant	Adaptation	Others: Government and civil society	GIZ

Tanzania	Protection and sustainable use of biodiversity in Tanzania	20.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Tanzania	Co-financing of the Poverty Reduction Support Credit (PRSC) III	9.000.000,00		committed	ODA	Grant	Adaptation	Others: General budget support	KfW
Tanzania	Water Sector Development Programme	7.500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Tanzania	Urban water supply and sanitation	10.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Tanzania	Renewable energy / energy efficiency programme	20.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Tanzania	Selous Ecosystem Conservation and Development Project	8.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Togo	Rural Development and Agriculture	1.625.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
Togo	Agriculture	2.500.000,00		committed	ODA	Grant	Adaptation	Agriculture	KfW
Togo	Rehabilitation of the hydroelectric power station Nangbeto in the context of the West African Power Pool (WAPP)	7.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Tunisia	Industrial environmental fund IV (FODEP) (technical assistance)	500.000,00		committed	ODA	Grant	Adaptation	Industry	KfW
Tunisia	Urban waste disposal site III (technical assistance)	1.500.000,00		committed	ODA	Grant	Cross-cutting	Others: Waste management	KfW
Tunisia	Increase in efficiency in the irrigation sector	4.000.000,00		committed	ODA	Grant	Mitigation	Water and sanitation	KfW
Tunisia	Energy efficiency	3.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Tunisia	Energy efficiency (technical assistance)	1.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW

Tunisia	Development of the rural area - Integrated water resource management II (technical assistance)	2.000.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Tunisia	Regional Development Tunisia	1.000.000,00	committed	ODA	Grant	Adaptation	Others: Rural Development	GIZ
Tunisia	Development of the rural area - Integrated water resource management II	14.000.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Uganda	Programme for Development of the Water- and Sanitation Sector	200.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Zimbabwe	Agriculture Input Supply Project (AISP III)	1.500.000,00	committed	ODA	Grant	Adaptation	Agriculture	GIZ
Zimbabwe	Agriculture Input Supply Project Zimbabwe II	250.000,00	committed	ODA	Grant	Adaptation	Agriculture	GIZ
Africa	Climate Finance via further technical cooperation contributions	5.050.520,08	committed	ODA	Grant	Mitigation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Africa	Climate Finance via further technical cooperation contributions	769.951,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: REDD+/Biodiversity	Financial Contributions to non-governmental and religious organisations
Africa	Climate Finance via further technical cooperation contributions	10.176.409,75	committed	ODA	Grant	Adaptation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Africa	Climate Finance via further technical cooperation contributions	4.633.844,50	committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: REDD+/Biodiversity	Financial Contributions to non-governmental and religious organisations
<b>Total Region Africa</b>		<b>584.139.507,39</b>						

<b>Region Asia / Middle East / South East Europe</b>									
ACB - ASEAN Center for Biodiversity	ASEAN Center for Biodiversity (Small Grants Programme	5.000.000,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW	
Afghanistan	Baghlan Agriculture Project	1.000.000,00	committed	ODA	Grant	Adaptation	Others: Reconstruction relief and rehabilitation	GIZ	
Afghanistan	Promotion of Renewable Energies in Rural Areas	4.800.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ	
Afghanistan	Improvement of Urban Drinking Water Supply and Sanitation	3.000.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	GIZ	
Afghanistan	Electrification of Provinces in Northern Afghanistan II	21.000.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	KfW	
Afghanistan	Expansion of North Eastern Power Supply System to Urban Centres in the North	6.500.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	KfW	
Albania	Protection of the agro-biodiversity in rural areas	800.000,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ	
Albania	Reform in the water sector	1.200.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	GIZ	
Albania	Municipal infrastructure programme (accompanying measure)	1.000.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	KfW	
Albania	Promotion of the competitiveness in rural areas	1.250.000,00	committed	ODA	Grant	Adaptation	Agriculture	GIZ	
Albania	Municipal infrastructure Programme	2.500.000,00	committed	ODA	Grant	Adaptation	Water and sanitation	KfW	
Armenia	Program for the Promotion of Renewable Energies in Armenia, Phase III	2.000.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	KfW	
Armenia	Open Program Power Transmission Armenia (400 kV)	4.500.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	KfW	

Armenia	Integrated Water Resources Management Akhouryan River (Phase I)	2.500.000,00		committed	ODA	Grant	Adaptation	Agriculture	KfW
ASEAN	Adaptation and Mitigation Strategies in Support of the ASEAN Framework on Climate Change (AFCC)	667.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
ASEAN	Sustainable Food and Agro Economies in South East Asia	583.000,00		committed	ODA	Grant	Cross-cutting	Agriculture	GIZ
Asia (Thailand and other ASEAN)	SCP4LCE - Sustainable Consumption and Production for Low Carbon Economy	2.000.000,00		committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Asia na (only developing countries)	CDIA - Ecological Urban Development Initiative Asia	6.000.000,00		committed	ODA	Grant	Cross-cutting	Others: Urban development	GIZ
Asia na (only developing countries)	Promotion of Cross-Border Management of Natural Resources in Himalya (Nepal)	6.200.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Asia-ESCAP	Integrated Resources Management in Asian Cities: the Urban Nexus	4.000.000,00		committed	ODA	Grant	Cross-cutting	Others: Urban development	GIZ
Azerbaijan	Open Program Municipal Infrastructure II, Phase IV	12.500.000,00		committed	ODA	Grant	Cross-cutting	Water and sanitation	KfW
Bangladesh	Geoinformation for Urban Development	750.000,00		committed	ODA	Grant	Adaptation	Others: Urban development	GIZ
Bangladesh	Sustainable Energy and Energy Efficiency Programme	3.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Bangladesh	Sustainable Energy and Energy Efficiency Programme	1.100.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Bangladesh	Productive Use of Renewable Energy Program	5.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW



Bangladesh	Power Transmission Improvement Programme	7.500.000,00		committed	ODA	Grant	Adaptation	Energy generation and supply	KfW
Bosnia-Herzegovina	Hydropower Development Programme	5.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Bosnia-Herzegovina	Renewable Energy Programme III	4.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Caucasus na (only developing countries)	Sustainable Management of Biodiversity in the South Caucasus	300.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Central Asia na (only developing countries)	Sustainable Management of Natural Resources in Central Asia	4.260.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
China	Low Carbon Land Use	3.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
China	Climate Protection and Electric Vehicles in China - Field Tests, Case Studies and Policy Advice on Integrating Renewables into the Growth Market for Electric Vehicles	2.000.000,00		committed	ODA	Grant	Mitigation	Transport	GIZ
Georgia	Renewable Energy Programme II	2.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Georgia	Renewable Energy Programme - accompanying measure	250.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
India	Advisory Services for the implementation of the National Urban Sanitation Policy	250.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
India	Indo-German Energy Programme	1.650.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
India	Indo-German Environmental Partnership Programme	900.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
India	Responsible Enterprise Finance	1.500.000,00		committed	ODA	Grant	Mitigation	Others: Business and other services	GIZ

India	Risk Reduction through Rural Insurances Services	2.000.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
India	Environmental Benefits through the Mahatma Gandhi National Rural Employment Guarantee Act	2.000.000,00		committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
India	Climate Change Knowledge Network in Indian Agriculture	4.000.000,00		committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
India	Programme Solar Energy	20.100.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
India	Access to Clean Energy	2.900.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
India	Municipal Infrastructure Financing Tamil Nadu II, Phase 1	7.950.000,00		committed	ODA	Grant	Adaptation	Others: Banking and financial services	KfW
India	PGP - Promotion of Green Power	11.900.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
India	Municipal Infrastructure Financing Tamil Nadu II, IDA Loan	2.500.000,00		committed	ODA	Grant	Adaptation	Others: Urban development	KfW
India	Permanent Office – Indo-German Energy Forum (Phase 2 – Climate Change Mitigation and Decentralised Power Generation – Indo-German Energy Forum)	3.214.165,00		committed	ODA	Grant	Mitigation	Energy	GIZ
India	Climate-Neutral Energy Supply for Rural Areas	2.066.403,00		committed	ODA	Grant	Mitigation	Energy	GIZ
India	Commercialization of Solar Energy in Urban and Industrial Areas in India (ComSolar)	2.974.384,00		committed	ODA	Grant	Mitigation	Energy	GIZ
Indonesia	Policy Advice on Environment and Climate Change (PAKLIM)	447.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ

Indonesia	Forests and climate change (FORCLIME)	511.500,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Indonesia	Forests and climate change (FORCLIME)	630.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Indonesia	Forestry Programme III (Sulawesi)	6.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Indonesia	Promotion of Least Cost Renewables in Indonesia (LCORE-INDO)	3.000.000,00		committed	ODA	Grant	Mitigation	Energy	GIZ
Jordan	Management of Water Resources Programme	5.200.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Jordan	Water Resources Management Programme III	7.500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Jordan	Energy Efficiency in the Water Sector II	6.000.000,00		committed	ODA	Grant	Mitigation	Water and sanitation	KfW
Jordan	Adaption to Climate Change	5.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Jordan	Water Resources Management Programme III (AC)	1.500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Jordan	Adaption to Climate Change (AC)	1.500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Jordan	Industrial Solar Cooling in Jordan	3.295.000,00		committed	ODA	Grant	Mitigation	Energy	GIZ
Kosovo	Development of the Energy Sector V - Improvement of Transmission Network	1.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Kosovo	Sewage Disposal in Southwest Kosovo II (accompanying measure)	500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Kosovo	Sewage Disposal in Southwest Kosovo II	3.500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Laos	Integrated Nature Conservation and Sustainable Resource Management in the Hin Nam No Region	3.600.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ

Laos	Environmental Education in Rural Areas of LAO PDR	232.500,00		committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
Laos	Land Management and Rural Economic Development	1.713.000,00		committed	ODA	Grant	Adaptation	Others: Rural development	GIZ
Laos	Climate Protection Through Avoided Deforestation	350.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Laos	Climate Protection Through Avoided Deforestation, Phase II	3.600.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Laos	Integrated Rural Development in Poverty Regions of Laos	2.350.000,00		committed	ODA	Grant	Adaptation	Others: Rural development	GIZ
Laos	Support to the LAO EU-FLEGT Process	5.800.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Laos	Integrated Conservation of Biodiversity in National Protected Areas and Corridors	9.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Laos	Sustainable Rural Infrastructure Improvement in Southern Lao PDR	3.000.000,00		committed	ODA	Grant	Adaptation	Transport	KfW
Macedonia	Sectoral programme for the promotion of energy efficiency and renewable energies III	7.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Mekong River Commission	Protection and Sustainable Use of Wetlands in the Lower Mekong Region	8.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Middle East and south-western Asia	Wastewater Management MENA (SWIM- Programme)	1.231.984,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Moldova	Improvement of children's health through the supply of anaesthesia	650.000,00		committed	ODA	Grant	Mitigation	Others: Health	GIZ

	equipment								
Mongolia	Biodiversity and the adaptation of key forest ecosystems to climate change	3.600.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Mongolia	Efficiency of grid-based energy supply schemes	800.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Mongolia	Promotion of the quality infrastructure paying particular attention to the raw material sector	300.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Mongolia	Mongolian-German Biodiversity Conservation Programme	11.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Montenegro	Water Supply and Sanitation Adriatic Coast V	4.500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Nepal	Advice to Energy Efficiency	4.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Nepal	Financial Cooperation Programme Promotion of Energy Efficiency and Renewable Energies	14.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Pakistan	Renewable Energy and Energy Efficiency	100.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Pakistan	Refugee and Affected Hosting Areas Program, Pakistan	5.000.000,00		committed	ODA	Grant	Adaptation	Others: Refugees in donor countries	KfW
Palestinian territories	Wastewater Treatment Nablus West (AC)	600.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Palestinian territories	Wastewater Treatment Ramallah Region	2.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Palestinian territories	Wastewater Treatment Ramallah Region (AC)	500.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW

Palestinian territories	Wastewater Treatment Nablus East	5.900.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Philippines	Promotion of Green Economic Development - PROGED	3.000.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Philippines	Environment and Rural Development Programme (EnRD)	1.126.900,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Philippines	Support to the Philippine Climate Change Commission on the Implementation	3.000.000,00		committed	ODA	Grant	Adaptation	Cross-cutting	GIZ
Philippines	National REDD+ system, Philippines	5.300.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Philippines, Turkey	Building momentum for low carbon development in the Philippines and Turkey	518.136,53		committed	ODA	Grant	Mitigation	Cross-cutting	WWF
Secretariats of the Pacific Community (SPC)	Climate Change in the Pacific Island Region	1.250.000,00		committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ
Serbia	Energy Efficiency via the Banking Sector	8.500.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Serbia	Energy Efficiency via the Banking Sector	1.000.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Serbia	Communal Land Management	2.000.000,00		committed	ODA	Grant	Adaptation	Others: Urban development	GIZ
Serbia	Energy Efficiency in Public Buildings	1.500.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Serbia	Regional Programme for Energy Efficiency in the Transmission System	8.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Thailand	National energy efficiency plan as a core element for an activity- and evidence-based mitigation strategy	3.000.000,00		committed	ODA	Grant	Mitigation	Energy	GIZ

Thailand	Programme for the Development and Implementation of Climate Policy	1.877.000,00		committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Thailand, Viet Nam	Promoting Ecosystem-based Adaptation through Mangrove Restoration and Sustainable Use in Thailand and Vietnam	1.557.601,00		committed	ODA	Grant	Adaptation	Forestry, agriculture	International Union for Conservation of Nature (IUCN)
Timor-Leste	Managing Agro-Biodiversity for Sustainable Livelihoods	185.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Ukraine	Support of conservation areas	3.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Ukraine	Energy efficiency - refinancing for Ukrainian companies through the financial sector	5.000.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Ukraine	Promotion of social infrastructure	3.500.000,00		committed	ODA	Grant	Mitigation	Others: Government and civil society	KfW
Ukraine	credit line for energy efficiency and renewable energy finance to SME	3.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Ukraine	Energy efficiency in buildings	250.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Viet Nam	Integrated Coastal and Mangrove Forest Protection in Mekong Provinces for Adaptation to Climate Change	820.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Environmental protection	GIZ
Viet Nam	Integrative Protection and Management of Natural Resources in Phong Nha-Ke Bang Region	500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Viet Nam	Program Macroeconomic Reforms	725.000,00		committed	ODA	Grant	Mitigation	Others: Government and civil society	GIZ

Viet Nam	Program Sustainable Management of Natural Forest and Trade and Marketing of Important Forest Products	350.000,00		committed	ODA	Grant	Cross-cutting	Forestry	GIZ
Viet Nam	Establishment of Conservation Site on Wetland in Soc Trang Province	150.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Viet Nam	Energy Efficiency in Urban Areas	8.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Viet Nam	Smart Grids - Transmission Efficiency	12.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Viet Nam, Laos	Exploring mechanisms to promote high biodiversity REDD+: piloting in Viet Nam	1.499.886,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	SNV Vietnam
Asia / Middle East / South East Europe	Climate Finance via further technical cooperation contributions	7.440.929,50		committed	ODA	Grant	Mitigation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Asia / Middle East / South East Europe	Climate Finance via further technical cooperation contributions	2.245.960,10		committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: REDD+/Biodiversity	Financial Contributions to non-governmental and religious organisations
Asia / Middle East / South East Europe	Climate Finance via further technical cooperation contributions	13.441.912,50		committed	ODA	Grant	Adaptation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Asia / Middle East / South East Europe	Climate Finance via further technical cooperation contributions	5.730.568,60		committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: REDD+/Biodiversity	Financial Contributions to non-governmental and religious organisations
<b>Region Asia / Middle East /</b>		<b>450.444.830,23</b>							



<b>South East Europe</b>									
<b>Region Latin America / Caribbean</b>									
America na (only developing countries)	Cooperation Platform for clean technologies in Mexico and Central America	3.500.000,00	committed	ODA	Grant	Mitigation	Others: Business and other services	GIZ	
Amazon Cooperation Treaty Organization (ACTO)	Strengthening of the Regional Organization ACTO	4.000.000,00	committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ	
Brazil	Protection and sustainable management of indigenous areas	300.000,00	committed	ODA	Grant	Cross-cutting	Others: Human rights	GIZ	
Brazil	Promotion of protected areas and sustainable Management	1.200.000,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ	
Brazil	Program renewable energy and energy efficiency in Brazil	2.000.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ	
Brazil	Program of trilateral cooperation	100.000,00	committed	ODA	Grant	Cross-cutting	not specified	GIZ	
Brazil	CP-Regional planning and development in Amazonia	800.000,00	committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ	
Brazil	Sustainable Urban Development / Public Urban Transport Systems (State of Rio de Janeiro)	10.000.000,00	committed	ODA	Grant	Mitigation	Transport	KfW	
Brazil	Programme for Energy Efficiency CAIXA	15.000.000,00	committed	ODA	Grant	Mitigation	Energy generation and supply	KfW	
Chile	Energy Efficiency and Cogeneration in Public Hospitals (Pilot Project)	1.235.000,00	committed	ODA	Grant	Mitigation	Energy	GIZ	

CCAD	Reduction of greenhouse gases from deforestation and forest degradation in Central America and the Dominican Republic	2.700.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Colombia	Piloting nested REDD+ accounting at national, provincial and project scales for results based payments in Colombia	1.453.566,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	Winrock International Institute for Agricultural Development
Colombia	Promotion of negotiation processes for participatory implementation of environmental regulations	1.000.000,00		committed	ODA	Grant	Mitigation	Others: Conflict prevention and resolution, peace and security	GIZ
Colombia	Environment policy and sustainable management of natural Resources	8.000.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Colombia	Forest and climate protection (REDD) in Colombia	3.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Colombia	FNC Forest Program, Biodiversity Component	3.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	KfW
Colombia	Biodiversity and Protected Areas, Phase 2	20.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Colombia	Programme Environmental Protection at local Government Level	10.000.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	KfW
Comisión Trinacional del Plan Trifinio (CTPT)	Tropical forest protection and water shed management in the Trifinio region	100.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Comisión Trinacional del Plan Trifinio (CTPT)	Trinational Biosphere Trifinio	11.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW

ECLAC / CEPAL	Promoting low carbon development and social cohesion in Latin America and Caribbean	700.000,00		committed	ODA	Grant	Mitigation	Others: Environmental protection	GIZ
Ecuador	Sustainable management of natural resources	1.600.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Ecuador	Climate Protection with Renewable Energies on the Galapagos Islands in consideration of Electricity Production with Jatropa Oil	2.146.310,00		committed	ODA	Grant	Mitigation	Energy	GIZ
Guatemala	Rural Development and adaption to climate change	4.000.000,00		committed	ODA	Grant	Cross-cutting	Others: Rural development	GIZ
Guatemala	Study and Expert Fund	500.000,00		committed	ODA	Grant	Adaptation	Others: Cross-cutting	GIZ
Guatemala	Consolidation of the National System of Protected Areas II	10.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Rural development	KfW
Honduras	Promotion of sustainable use of natural resources and local economic development (PRORENA)	180.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Rural development	GIZ
Nicaragua	Program to improve the efficiency of the drinking water supply and the sewage treatment	2.600.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Nicaragua	Biogas and Solar Sludge Drying	3.000.000,00		committed	ODA	Grant	Mitigation	Water and sanitation	KfW
Nicaragua	Sustainable management of natural resources and strengthening of entrepreneurial competences	1.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Panama	Protection of carbon pool and sinks within wetlands and protected areas of Panama	2.450.390,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	United Nations Development Program (UNDP)

Paraguay	Sustainable Natural Resource Management III	5.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Rural development	KfW
Paraguay	Protecting Forest for the Benefit of Climate, People and Nature in Paraguay - a Multi-level Approach	2.128.446,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	WWF - Germany
Peru	Contribution to the environmental goals of Peru (Pro Ambiente)	12.750.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Peru	Ecoefficiency and Environmental Management in Public Schools as an approach to the connection between theory and practice	350.000,00		committed	ODA	Grant	Mitigation	Others: Education	GIZ
Peru	Programme for Sustainable Rural Development	3.750.000,00		committed	ODA	Grant	Cross-cutting	Others: Rural development	GIZ
Peru	Drinking water supply and sanitation PROAGUA	1.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Peru	Waste Water Treatment in provincial towns II	4.000.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	KfW
Peru	Sustainable Agricultural Production Program	3.000.000,00		committed	ODA	Grant	Adaptation	Agriculture	KfW
Peru	Sustainable Forest Management Program	10.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	KfW
Peru	Sectoral Programme on Water Management Systems	2.000.000,00		committed	ODA	Concessional loan	Adaptation	Water and sanitation	KfW
Peru	Energy efficiency and renewable energy (Cofide), phase III	5.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
SG-SICA	Biodiversity Partnership Mesoamerica	4.500.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ

SG-SICA	Preservation of bio diversity and local development in the meso American bio corridor	6.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
SG-SICA	Support of Energy Efficiency and Renewable Energy in Central America	400.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
SG-SICA	Protection of the Mesoamerican Biocorridor	10.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Latin America / The Caribbean	Climate Finance via further technical cooperation contributions	1.981.263,93		committed	ODA	Grant	Mitigation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Latin America / The Caribbean	Climate Finance via further technical cooperation contributions	2.295.098,87		committed	ODA	Grant	Others: REDD+/Biodiversity (Mitigation)	Others: REDD+/Biodiversity	Financial Contributions to non-governmental and religious organisations
Latin America / The Caribbean	Climate Finance via further technical cooperation contributions	13.144.307,00		committed	ODA	Grant	Adaptation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Latin America / The Caribbean	Climate Finance via further technical cooperation contributions	6.493.518,88		committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: REDD+/Biodiversity	Financial Contributions to non-governmental and religious organisations
<b>Region Asia / Middle East / South East Europe</b>		<b>220.357.900,68</b>							
<b>Region Global</b>									
BEAF - International Agricultural Research	Agricultural Research for Development on Climate Change Adaptation	2.400.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ

BEAF - International Agricultural Research	Agricultural Research for Development	9.100.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
Brazil, Indonesia and 3 others	Catalysing forest and landscape restoration in key countries	2.998.593,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	World Resources Institute
Ghana, Mexico, Peru	REDD+-Plus Benefits: Facilitating countries and communities in designing pro-poor REDD+-Plus benefit-sharing schemes	4.755.103,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	IUCN - International Union for Conservation of Nature
Global	Agricultural Trade and Private Sector Cooperations in Rural Areas	1.765.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
Global	Consultancy- and Investment Fund for Ozone Protection (Ozone Fund)	2.380.000,00		committed	ODA	Grant	Mitigation	Others: Biodiversity	GIZ
Global	Poverty-oriented Basic Energy Services	3.310.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Global	Energy Policy in Development Cooperation	6.050.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Global	Rural Development	2.664.000,00		committed	ODA	Grant	Adaptation	Others: Rural development	GIZ
Global	Promotion of sustainable fisheries and aquaculture	40.000,00		committed	ODA	Grant	Adaptation	Others: Fisheries	GIZ
Global	Energising Development	20.000.000,00		committed	ODA	Grant	Cross-cutting	Energy generation and supply	GIZ
Global	International Forest Policy (IWP)	700.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	GIZ
Global	International Water Policy and Infrastructure	525.000,00		committed	ODA	Grant	Adaptation	Water and sanitation	GIZ
Global	Climate Protection Programme for Developing Countries	10.600.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Global	Sustainable Waste and Recycling Concepts	50.000,00		committed	ODA	Grant	Adaptation	Others: Waste management	GIZ

Global	policy advise for municipal and urban development	1.500.000,00		committed	ODA	Grant	Cross-cutting	Others: Urban development and management	GIZ
Global	Sustainable Resource Use in Agriculture	51.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
Global	Ecological and Economic Sustainable Sanitation Systems (OEKOSAN)	2.750.000,00		committed	ODA	Grant	Cross-cutting	Water and sanitation	GIZ
Global	Policy Advice for Sustainable Hydropower	400.000,00		committed	ODA	Grant	Cross-cutting	Energy generation and supply	GIZ
Global	Policy Advice for Urban Development	2.400.000,00		committed	ODA	Grant	Cross-cutting	Others: Urban development and management	GIZ
Global	Agricultural Policy and Food Security	475.000,00		committed	ODA	Grant	Adaptation	Agriculture	GIZ
Global	Proklima - global programme for the substitution of ozone depleting substances	100.000,00		committed	ODA	Grant	Mitigation	Others: Biodiversity	GIZ
Global	Transport policy advisory services	500.000,00		committed	ODA	Grant	Cross-cutting	Transport	GIZ
Global	Innovative Approaches in Finance Sector Development	1.550.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	GIZ
Global	Sustainable Sanitation Systems / Ecosan	130.000,00		committed	ODA	Grant	Cross-cutting	Water and sanitation	GIZ
Global	Combat Desertification	1.200.000,00		committed	ODA	Grant	Cross-cutting	Others: Environmental protection	GIZ
Global	Technology Cooperation in the Energy Sector	150.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	GIZ
Global	Sector Programme "Sustainable Development through Tourism"	225.000,00		committed	ODA	Grant	Mitigation	Others: Tourism	GIZ
Global	Implementation of the Convention on Biological Diversity	4.900.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	GIZ
Global	Environmental Policy and Sustainable Development	1.100.000,00		committed	ODA	Grant	Adaptation	Others: Environmental protection	GIZ

Global	Regional fund: Rural biogas plant	9.000.000,00		committed	ODA	Grant	Mitigation	Energy generation and supply	KfW
Global	Promotion of Ecological Corridors in the Southern Caucasus	8.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	KfW
Global	The Caucasus Nature Fund	7.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Global	Social Entrepreneurship Asia	5.000.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Global	Caribbean Challenge Initiative, Phase 2	10.000.000,00		committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Others: Biodiversity	KfW
Global	Regional Energy Efficiency Fund Western Balkans	3.500.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Global	Regional Energy Efficiency Fund Western Balkans (accompanying measure)	500.000,00		committed	ODA	Grant	Mitigation	Others: Banking and financial services	KfW
Global	Municipal Infrastructure Development Fund (MIDF)	5.000.000,00		committed	ODA	Grant	Mitigation	Others: Urban development and management	KfW
Global	Bringing a range of supported mitigation activities in selected countries to the next level	1.906.854,00		committed	ODA	Grant	Mitigation	Cross-cutting	ECN
Global	Supporting International Mitigation and MRV activities	2.000.000,00		committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Global	Generating Expertise on Climate and Resource Protection in Young Management Professionals (Postgraduates) from Emerging Countries	1.337.208,00		committed	ODA	Grant	Mitigation	Cross-cutting	Alexander von Humboldt Stiftung



Global	Long-term financing for REDD-plus - Analysis and development of investment options for private actors in REDD-plus projects	84.162,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Cross-cutting)	Forestry	Germanwatch e.V.
Global (South Africa and Indonesia)	MAs – integrating sub-national actors into national mitigation strategies through vertically integrated NAMAs	1.869.159,00	committed	ODA	Grant	Mitigation	Cross-cutting	GIZ
Indonesia, Mexico, Philippines, Tunisia	Inventory of methods for climate adaptation	850.000,00	committed	ODA	Grant	Adaptation	Cross-cutting	GIZ
Global	Climate Finance via further technical cooperation contributions	202.500,00	committed	ODA	Grant	Mitigation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Global	Climate Finance via further technical cooperation contributions	142.500,00	committed	ODA	Grant	Adaptation	Cross-cutting	Financial Contributions to non-governmental and religious organisations
Global	Climate Finance via further technical cooperation contributions	200.000,00	committed	ODA	Grant	Others: REDD+/Biodiversity (Adaptation)	Others: REDD+/Biodiversity	Financial Contributions to non-governmental and religious organisations
<b>Total Region Global</b>		<b>141.361.079,00</b>						
<b>Total Climate Financing</b>		<b>1.396.303.317,30</b>						

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

<sup>a</sup> Parties should fill in a separate table for each year, namely 20XX-3 and 20XX-2, where 20XX is the reporting year.

<sup>b</sup> Parties should report, to the extent possible, on details contained in this table.

<sup>c</sup> 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.

<sup>d</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under “Other”.

<sup>e</sup> Parties should report, as appropriate, on project details and the implementing agency.

<sup>f</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>g</sup> Please specify.

<sup>h</sup> This refers to funding for activities which are cross-cutting across mitigation and adaptation.

Currency exchange rate: selected from the bank table, 2012 “budget exchange rate” as at the end of 2011: US\$ 1 = EUR 0.74839

Methodology: For bilateral cooperation, Germany reports the “committed” funds because they reflect the new commitments the government has entered into.

Table 8  
**Provision of technology development and transfer support**

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector	Source of funding	Activities undertaken by	Status	Additional information
Bangladesh	Adaptation	<b>Resilient and inclusive city development</b>  The project aims to improve adaptation to the impacts of climate change and improved living conditions through increased protection of the population against extreme weather events such as floods, cyclones and floods in vulnerable coastal districts of Barguna and Patuakhali. This will be achieved by establishing and improving appropriate multifunctional protection infrastructure for human and partly animal and secure access routes to shelters. Target group is people living in the environment of the shelters primarily rural, poor population.	Social Infrastructure	Public		Implemented	KfW
Namibia	Adaptation/ Mitigation	<b>"Bush to energy"</b>  Invading bushes are a major challenge in Namibia and negatively influence biodiversity as well as adaptation capacities. Germany supports in a pioneer approach debushing activities. Through this project, a industrial approach to the large-scale bush encroachment problem is tested for the first time in practice. It includes the new technology of large "bush-harvesting" machines and is implemented together with a private company that uses the harvested bush for energy supply in a large biomass plant. The project offers the possibility of valuable experience in the field of clearing bush as well as the treatment of cleared surfaces. The harvested bush can also be used for decentralized rural energy supply or for the production of animal feed.	Agriculture / Energy	Public	Public Private Partnership	Under implementation	KfW
China	Mitigation	<b>Energy Efficiency Program - Community Heating Shihezi</b>  In the city of Shihezi in the Xinjiang Uighur Autonomous Region of Xinjiang, the existing, highly polluting and inefficient decentralized heat generation was replaced by a central combined heat and power plant (CHP) . The electricity and heat supply was expanded using modern measurement and control technology. The aim of the investment measure is improved care for the population and the economy in Shihezi of electricity and heat as well as protection from hazardous air pollutants and climate change mitigation.	Energy	Public		Implemented	KfW with funding from BMZ
Morocco	Mitigation	<b>Construction of a solar-thermal parabolic trough CSP plant in Ouarzazat</b>  The measure includes the construction of a solar power plant in Ouarzazate with an installed capacity of 160 MW. The objective is the efficient, environmentally and socially responsible production of electrical energy as well as to support an emerging renewable energy technology. The project is intended to support a sustainable energy policy in Morocco and promote an environmentally and climate-friendly development model in Morocco. The promoter of the project is the public agency for solar energy Masen. Masen's task is to implement the Moroccan Solar Plan, which aims to install a total capacity of 2000 MW at five locations by 2020. The measure is part of the implementation of the Moroccan Solar Plan and with 160 MW comprises the first phase of the planned total capacity of 500 MW in Ouarzazate.	Energy	Public	Public-private partnership	Under implementation	KfW with (co-)funding by EU, EIB, AFD, World Bank and AfDB

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector	Source of funding	Activities undertaken by	Status	Additional information
Egypt	Mitigation	<p><b>Wind Park "El Zayt" including grid integration</b></p> <p>KfW is responsible for co-financing with the participation of the European Commission (EC) and the European Investment Bank (EIB) to set up a 200 MW wind farm at the site "Gulf of el Zayt" on the west coast of the Red Sea in Egypt. The measure includes the design, construction and commissioning of the wind farm with the necessary connectivity and infrastructure works as well as consulting services in support of the project sponsor New and Renewable Energy Authority (NREA) and Egyptian Electricity Transmission Company (EETC). The development objective of the measure is to contribute to global climate protection. The objective of the measure is to contribute to the total economically efficient and environmentally acceptable supply of electrical energy and feeding them into the national network. The project includes specific measures and technologies for bird protection.</p>	Energy	Public		Under implementation	KfW with (co-)funding from EIB and EU
India	Mitigation	<p><b>Commercialization of Solar Energy in Urban and Industrial Areas in India (ComSolar)</b></p> <p>The project is supporting the development and demonstration of innovative business models for commercialising solar energy in both urban and industrial zones. To this end, it is developing a strategy for marketing solar energy and supporting the implementation of the National Solar Mission, which aims to install solar power plants generating an output of 20,000 Megawatts by 2020. Activities include feasibility studies, technology transfer, information campaigns and comprehensive capacity building for the project partners.</p>	Energy	Public	Private and public	Under implementation	GIZ
Jordan	Mitigation	<p><b>Industrial Solar Cooling in Jordan</b></p> <p>Demand for air-conditioning in commercial buildings is rising rapidly in Jordan. The project will initiate a switch from the present air-conditioning technologies, which have poor environmental performance, to alternatives based on solar cooling which are largely CO2-free. To this end, Jordanian/German technology partnerships between firms and institutes will be sought, whereby Germany will act as the provider of technologies for refrigeration equipment, solar installations and system solutions. The transfer of (combined cold and solar) knowledge and technology will boost local production. The specific advantages of Jordan (high average level of insolation, own production capacity) will be harnessed for sustainable air-conditioning in buildings, while at the same time the framework conditions (incentives, standards, guidance) for dissemination of the applications will be created. The demonstration project will serve as an example of best practice in order to set new energy efficiency standards.</p>	Energy	Public	Private and public	Under implementation	GIZ

**Table 9**  
**Provision of capacity-building support**

Recipient country/region	Targeted area	Programme or project title	Description of programme or project
Global	multiple areas	The Climate Finance Readiness Programme	The Climate Finance Readiness Programme supports partner countries to strengthen their capacity to use climate finance efficiently and in particular to prepare to access the Green Climate Fund (GCF). An important pillar is supporting national climate finance institutions in their coordination work and in gaining accreditation under GCF's direct access modality. Furthermore, the programme provides strategic and conceptual support in developing national climate strategies and policy packages for ambitious, climate-resilient low-carbon development paths and also supports the development of a pipeline of bankable projects for the GCF. Additionally the programme works on the enhancement of the global exchange of experiences. Work in each country is based on an initial assessment of challenges and barriers in preparing for the GCF. The exact services of the programme are cus-tomised in cooperation with the partner countries to best respond to their needs and optimally supplement existing programmes in this field.
Global	multiple areas	Support of the International Mitigation and MRV Partnership	In the context of the Petersberg Climate Dialogue in May 2010 in Bonn/Germany, South Africa, the Republic of Korea and Germany launched the International Partnership on Mitigation and MRV. To date, more than fifty countries participated in Partnership activities including several EU member states such as Belgium and the United Kingdom. The overall aim of the Partnership is to support a practical exchange on mitigation-related activities and MRV between developing and developed countries in order to help closing the global ambition gap. To this end, the activities of the Partnership contribute to the design and effective implementation of 'Low-Emission Development Strategies' (LEDS), 'Nationally Appropriate Mitigation Actions' (NAMAs) and 'Measuring, Reporting and Verification' (MRV) systems. To achieve this, the Partnership convenes regular meetings at the margins of the UNFCCC negotiations. It also offers various forms of capacity building activities in order to promote mutual learning and networking among its partner countries. In 2013, the Partnership conducted seven technical peer-to-peer workshops and a summer school featuring in total more than 300 participants from 50 different developing and developed countries. In the follow up of its capacity building activities, the Partnership organizes webinars and e-discussions where participants can build on discussions and experiences shared in the workshops. By bringing together climate experts from a variety of countries, the Partnership seeks to establish a shared mitigation-related knowledge base, disseminate lessons learned and identify best practices. One example is the Good Practice Analysis which identifies 20 good practice examples from 20 different countries and lessons learned in the design and implementation of LEDS, NAMA and MRV activities. Workshop results and experiences are also processed in knowledge products which are distributed through the Partnership's newsletter and can be accessed through the Partnership's website ( <a href="http://www.mitigationpartnership.net">www.mitigationpartnership.net</a> ).
Global	multiple areas	Energising Development (EnDev)	The Dutch-German-Norwegian-Australian-British-Swiss Partnership Energising Development (EnDev) is an impact-oriented global sector initiative between the German Federal Ministry for Economic Cooperation and Development (BMZ), the Directorate-General for International Cooperation of the Dutch Ministry of Foreign Affairs (MFA-NL) the Norwegian Ministry of Foreign Affairs (MFA NO), the Australian Agency for International Development (AusAID), the UK Department for International Development (DFID), and the Swiss Agency for Development and Cooperation (SDC). EnDev promotes the supply of modern energy technologies to households and small-scale businesses and includes a range of capacity building activities. The Partnership cooperates with 24 low- and middle-income partner countries in Africa, Latin America and Asia with varying activities. In EnDev's Kenya Country Programme (EnDev-K) for instance the main focus is on capacity development at various levels to ensure long-term sustainability. Builders, installers and marketers are trained in technical, marketing and entrepreneurship skills. End users and consumers are made aware of the benefits of the available technologies. Special awareness creation is done for decision makers and other important stakeholders.
Global	adaptation	DWD Support of National Meteorological Services of Developing Countries with respect to regional numerical weather prediction	High resolution regional numerical weather prediction (NWP) models are indispensable for reliable and timely warnings of authorities and the general public in case of severe weather events. With the availability of cost-effective Linux cluster computers and high-speed internet connections even weather services in developing countries are able to run such NWP models at their institutes if they are supported by experts of global NWP centers like Deutscher Wetterdienst (DWD). DWD provides the regional NWP model COSMO ( <a href="http://cosmo-model.org/">http://cosmo-model.org/</a> ), tailored boundary conditions based on forecasts of its global model GME as well as annual training workshops. These two-week workshops "Capacity Building in Regional Numerical Weather Prediction based on the COSMO Model" are supported by WMO (World Meteorological Organisation). The training enables the participants to implement the COSMO model on a computer system at their home institute, perform forecast runs operationally and visualize the model forecasts for users. Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) uses the COSMO model for operational regional NWP since more than two years. The COSMO model provided a very good forecast of track and intensity of the typhoon Haiyan which hit the Philippines in November 2013 and allowed for an early warning of the rescue teams and the general public. Similar successful forecasts of severe weather events like wind storms and floods have been reported from Oman, Vietnam, Pakistan and Kenya.

Recipient country/region	Targeted area	Programme or project title	Description of programme or project
The Caribbean	adaptation	Climate risk adaptation and insurance in the Caribbean	The project supported by Germany is developing solutions for managing weather-related risks – due to extreme weather events, such as hurricanes and droughts. It is also supporting the development and launch of public safety networks and public-private insurance schemes for vulnerable population groups. To this end, it is bringing together three key stakeholders: the Caribbean Catastrophe Risk Insurance Facility (CCRIF) as a regional insurance pool, MicroEnsure, a pioneer in the provision of local insurance solutions, and the international reinsurer Munich Re. The project partners are designing and launching products that combine risk reduction and climate risk insurance in order to protect low-income population groups in the Caribbean, such as farmers and smallholders, against weather-related damage. If a specified threshold, such as amount of rainfall or wind force is exceeded, policyholders automatically receive payment; complex claim procedures are not necessary. In the framework of the project, training and capacity development activities for applying weather index insurance policies (especially for local insurers) are taking place.
Mekong region	adaptation	Providing support to measures for adaptation to climate change in the Mekong region	In this project Germany supports the Climate Change Adaptation Initiative (CCAI) of the Mekong River Commission (MRC), a regional cooperation body of countries in the lower Mekong river basin. The CCAI serves as a knowledge and information hub for climate data and adaptation expertise with the aim to design regional adaptation strategies and advise MRC members in adaptation planning and implementation. Considering that climate change adaptation is a relatively new field, capacities of the line agencies in the MRC member countries need to be strengthened so as to be able to manage the adaptation plans and programmes properly. The project provides expert knowledge to CCAI, and supports it in making new climate information available (such as regional projections) as well as establishing a regional expert committee (Mekong Panel on Climate Change) as a specialised advisory body to member countries. CCAI provides capacity development to member countries based on a capacity needs assessment study and on subsequently established national capacity development plans. Besides classical trainings and technical workshops, formats like study visits and round-table discussions have proven useful to increase involvement and awareness of high-level decision-makers as well as to learn from international experiences and to foster exchange. Strengthening of the tools and capacity of governments regarding monitoring and reporting on climate change, impacts of climate change and adaptation performance at different levels also forms part of CCAI's work. Instruments that enable member countries the monitoring and reporting of adaptation performances are as necessary as the capacities to apply them.
China	mitigation	Sino-German Platform for Renewable Energies - Wind Environment Research & Training Center	This project aims to improve the technical expertise of managers and specialised personnel in the Chinese energy sector to help ensure that wind power-generated electricity is fed into the grid efficiently and used sustainably. Through its activities, the project is helping to reduce emissions in China. It is helping to set up the Wind Environment Research and Training Center (WERT) as well as to develop and carry out training and education events. At the same time, it is developing testing services and training testing staff in cooperation with German test institutions.
Pacific Islands	adaptation	Strengthening regional and national adaptation capacities in the Pacific Islands Region	Germany supports capacity development of 12 Pacific Island countries and several Pacific regional organizations in strengthening climate change adaptation activities. Building on the Pacific Island Framework for Action on Climate Change Germany supports together with the Secretariat of the Pacific Community (SPC) inter alia the development and implementation of joint national action plans on climate change and disaster risk management as well as national sustainable development strategies. On the local level activities include for example, a community-based ecosystem approach to fisheries management in Yap (Federated States of Micronesia). <a href="http://bluesolutions.info/images/CEAFM_lowres.pdf">http://bluesolutions.info/images/CEAFM_lowres.pdf</a>
China	mitigation	Climate Protection and Electric Vehicles in China - Field Tests, Case Studies and Policy Advice on Integrating Renewables into the Growth Market for Electric Vehicles	This project addresses the interface between transport, the energy industry, climate protection, innovation and the market. Relevant decision-makers receive support in developing strategies for rolling out electric transport in order to reduce greenhouse gas emissions. This includes grid integration of renewable energy and using intelligent grid and charging technologies (smart grids), for example. To this end, the project is implementing model and pilot projects, conducting analyses and studies, and carrying out dialogue processes.