

## BR CTF submission workbook

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Table 1

NOR\_BR1\_v2.0

**Emission trends: summary** <sup>(1)</sup>  
**(Sheet 1 of 3)**

CRF: NOR\_CRF\_\_ v2.1

<i>GREENHOUSE GAS EMISSIONS</i>	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	19,471.36	16,895.70	17,730.40	17,599.49	20,597.93	17,990.19	21,652.64	22,127.25	21,471.22
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	34,833.33	33,369.03	34,167.25	35,805.19	37,718.76	37,791.07	41,040.55	41,142.10	41,369.88
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	5,031.25	5,049.37	5,130.54	5,181.45	5,254.41	5,199.64	5,229.84	5,234.02	5,086.78
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	5,030.13	5,047.49	5,128.82	5,181.13	5,254.06	5,199.50	5,228.86	5,232.94	5,086.38
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	5,032.04	4,871.75	4,316.62	4,501.96	4,585.27	4,638.86	4,672.88	4,660.53	4,700.79
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	5,018.81	4,857.00	4,301.64	4,487.35	4,570.31	4,623.62	4,657.07	4,644.24	4,684.10
HFCs	0.05	9.01	18.12	28.45	44.20	80.34	112.22	164.81	209.78
PFCs	3,370.40	2,992.92	2,286.92	2,297.72	2,032.47	2,007.96	1,829.46	1,633.25	1,485.80
SF <sub>6</sub>	2,199.78	2,079.15	705.03	737.71	877.98	607.79	574.10	579.86	726.74
<b>Total (including LULUCF)</b>	<b>35,104.88</b>	<b>31,897.89</b>	<b>30,187.63</b>	<b>30,346.80</b>	<b>33,392.27</b>	<b>30,524.79</b>	<b>34,071.14</b>	<b>34,399.71</b>	<b>33,681.10</b>
<b>Total (excluding LULUCF)</b>	<b>50,452.50</b>	<b>48,354.59</b>	<b>46,607.79</b>	<b>48,537.56</b>	<b>50,497.78</b>	<b>50,310.28</b>	<b>53,442.26</b>	<b>53,397.19</b>	<b>53,562.69</b>

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
1. Energy	29,491.28	28,571.53	29,458.39	30,674.56	32,267.57	32,156.38	35,464.60	35,374.15	35,382.16
2. Industrial Processes	13,807.06	12,657.76	10,038.80	10,838.11	11,166.50	11,097.27	10,898.95	11,023.89	11,274.93
3. Solvent and Other Product Use	191.18	171.93	176.02	177.16	190.29	186.74	195.57	190.04	190.45
4. Agriculture	5,102.75	5,106.21	5,122.31	5,044.19	5,072.81	5,105.75	5,155.58	5,120.41	5,135.43
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-15,347.62	-16,456.70	-16,420.16	-18,190.77	-17,105.50	-19,785.49	-19,371.12	-18,997.49	-19,881.59
6. Waste	1,860.23	1,847.17	1,812.27	1,803.54	1,800.60	1,764.14	1,727.56	1,688.72	1,579.72
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)</b>	<b>35,104.88</b>	<b>31,897.89</b>	<b>30,187.63</b>	<b>30,346.80</b>	<b>33,392.27</b>	<b>30,524.79</b>	<b>34,071.14</b>	<b>34,399.71</b>	<b>33,681.10</b>

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

<sup>1</sup> The common tabular format will be revised, in accordance with relevant decisions of the Conference of the Parties and, where applicable, with decisions of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol."

Table 1

NOR\_BR1\_v2.0

**Emission trends: summary <sup>(1)</sup>**  
**(Sheet 2 of 3)**

CRF: NOR\_CRF\_\_ v2.1

<i>GREENHOUSE GAS EMISSIONS</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	27,240.48	26,777.93	24,504.51	21,075.42	20,404.02	17,309.60	16,231.85	21,748.69	23,773.38	19,888.90
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	42,119.61	41,790.84	43,159.60	42,282.54	43,647.31	44,057.25	43,059.47	43,463.75	45,482.02	44,411.05
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	5,006.52	5,057.81	5,068.53	4,937.69	5,015.76	4,978.16	4,763.08	4,654.32	4,740.46	4,607.11
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	5,006.43	5,057.64	5,068.45	4,937.36	5,015.03	4,978.02	4,762.67	4,650.56	4,740.18	4,601.35
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	4,937.15	4,699.61	4,618.21	4,829.94	4,682.03	4,831.59	4,901.80	4,564.61	4,390.79	3,913.69
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	4,920.16	4,682.56	4,599.42	4,811.03	4,662.48	4,811.81	4,880.41	4,543.14	4,369.20	3,891.06
HFCs	270.78	327.32	403.07	491.79	475.15	507.56	524.05	579.46	612.11	691.95
PFCs	1,388.70	1,318.11	1,328.81	1,437.76	909.25	880.06	828.71	742.51	820.94	772.75
SF <sub>6</sub>	873.96	934.42	791.20	238.30	227.86	276.05	312.03	212.09	76.24	65.40
<b>Total (including LULUCF)</b>	<b>39,717.58</b>	<b>39,115.20</b>	<b>36,714.33</b>	<b>33,010.90</b>	<b>31,714.06</b>	<b>28,783.02</b>	<b>27,561.53</b>	<b>32,501.67</b>	<b>34,413.91</b>	<b>29,939.79</b>
<b>Total (excluding LULUCF)</b>	<b>54,579.64</b>	<b>54,110.89</b>	<b>55,350.56</b>	<b>54,198.78</b>	<b>54,937.08</b>	<b>55,510.75</b>	<b>54,367.34</b>	<b>54,191.50</b>	<b>56,100.68</b>	<b>54,433.56</b>

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>
1. Energy	36,267.44	35,590.26	37,508.39	37,123.80	38,466.54	38,403.19	37,693.95	38,476.91	40,405.58	39,007.03
2. Industrial Processes	11,484.84	11,776.80	11,253.73	10,558.91	9,893.33	10,591.26	10,245.80	9,370.13	9,349.79	9,180.57
3. Solvent and Other Product Use	188.27	181.74	184.36	187.22	190.58	194.31	183.96	174.00	175.06	170.30
4. Agriculture	5,175.63	5,068.88	4,967.49	4,963.99	5,032.50	4,976.56	4,969.78	4,876.08	4,892.39	4,844.96
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-14,862.05	-14,995.68	-18,636.24	-21,187.88	-23,223.02	-26,727.73	-26,805.80	-21,689.82	-21,686.77	-24,493.77
6. Waste	1,463.45	1,493.21	1,436.59	1,364.87	1,354.13	1,345.42	1,273.84	1,294.39	1,277.86	1,230.70
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)</b>	<b>39,717.58</b>	<b>39,115.20</b>	<b>36,714.33</b>	<b>33,010.90</b>	<b>31,714.06</b>	<b>28,783.02</b>	<b>27,561.53</b>	<b>32,501.67</b>	<b>34,413.91</b>	<b>29,939.79</b>

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

**Emission trends: summary <sup>(1)</sup>**  
**(Sheet 3 of 3)**

CRF: NOR\_CRF\_\_ v2.1

<i>GREENHOUSE GAS EMISSIONS</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	(%)
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	20,660.54	21,876.46	17,053.27	-12.42
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	42,902.74	45,478.78	44,649.10	28.18
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	4,506.96	4,523.64	4,397.65	-12.59
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	4,505.91	4,522.02	4,397.44	-12.58
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	3,299.85	3,161.32	3,185.86	-36.69
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	3,277.66	3,138.65	3,163.18	-36.97
HFCs	736.47	914.44	950.21	1,917,097.30
PFCs	376.72	205.08	225.73	-93.30
SF <sub>6</sub>	61.46	75.38	60.72	-97.24
<b>Total (including LULUCF)</b>	<b>29,641.98</b>	<b>30,756.32</b>	<b>25,873.44</b>	<b>-26.30</b>
<b>Total (excluding LULUCF)</b>	<b>51,860.95</b>	<b>54,334.35</b>	<b>53,446.37</b>	<b>5.93</b>

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	2009	2010	2011	Change from base to latest reported year
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	(%)
1. Energy	38,864.96	40,653.42	39,828.85	35.05
2. Industrial Processes	6,960.31	7,739.46	7,647.07	-44.61
3. Solvent and Other Product Use	150.59	170.88	180.55	-5.56
4. Agriculture	4,633.49	4,542.58	4,568.66	-10.47
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-22,218.96	-23,578.03	-27,572.93	79.66
6. Waste	1,251.60	1,228.01	1,221.25	-34.35
7. Other	NA	NA	NA	0.00
<b>Total (including LULUCF)</b>	<b>29,641.98</b>	<b>30,756.32</b>	<b>25,873.44</b>	<b>-26.30</b>

*Notes :*

(1) Further detailed information could be found in the common reporting format tables of the Party's greenhouse gas inventory, namely "Emission trends (CO<sub>2</sub>)", "Emission trends (CH<sub>4</sub>)", "Emission trends (N<sub>2</sub>O)" and "Emission trends (HFCs, PFCs and SF<sub>6</sub>)", which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO<sub>2</sub> eq equals 1 Gg CO<sub>2</sub> eq.

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

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

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

*Custom Footnotes*

**Emission trends (CO<sub>2</sub>)**  
(Sheet 1 of 3)

CRF: NOR\_CRF\_v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	28,529.52	27,584.81	28,377.80	29,488.88	31,010.97	30,895.04	34,135.65	33,969.04	34,071.35
A. Fuel Combustion (Sectoral Approach)	25,869.80	25,478.68	25,965.16	26,952.07	28,347.71	28,267.06	31,084.94	31,170.94	31,183.45
1. Energy Industries	6,891.48	7,260.88	7,833.25	8,104.75	8,787.58	8,646.77	9,694.36	10,061.18	9,749.73
2. Manufacturing Industries and Construction	3,522.04	3,351.85	3,266.80	3,510.57	4,074.40	3,801.45	4,320.85	4,210.33	4,374.54
3. Transport	10,862.68	10,748.08	10,984.39	11,633.88	11,485.32	11,880.62	12,452.32	12,698.90	12,861.63
4. Other Sectors	4,137.41	3,712.12	3,393.82	3,336.08	3,492.76	3,484.03	4,210.82	3,775.95	3,837.98
5. Other	456.19	405.75	486.91	366.79	507.65	454.19	406.60	424.57	359.57
B. Fugitive Emissions from Fuels	2,659.72	2,106.13	2,412.63	2,536.80	2,663.26	2,627.98	3,050.71	2,798.10	2,887.90
1. Solid Fuels	7.37	7.84	6.51	7.22	7.20	7.09	7.24	6.34	6.59
2. Oil and Natural Gas	2,652.35	2,098.29	2,406.12	2,529.58	2,656.06	2,620.90	3,043.47	2,791.76	2,881.31
<b>2. Industrial Processes</b>	6,147.97	5,647.40	5,648.46	6,174.92	6,555.82	6,748.09	6,748.70	7,022.32	7,147.45
A. Mineral Products	728.66	685.00	734.83	919.76	937.88	983.71	985.51	1,042.69	1,019.07
B. Chemical Industry	1,189.86	1,061.73	1,006.31	1,061.32	1,150.01	1,166.33	1,167.64	1,219.18	1,052.28
C. Metal Production	4,145.91	3,774.32	3,774.18	4,041.99	4,329.04	4,449.03	4,440.65	4,590.05	4,952.25
D. Other Production	77.30	120.29	119.85	126.96	125.64	133.88	135.43	152.14	102.81
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	6.23	6.06	13.29	24.90	13.26	15.14	19.46	18.27	21.03
<b>3. Solvent and Other Product Use</b>	155.65	136.62	140.81	141.23	151.79	147.79	156.06	150.60	150.94
<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</b>	-15,361.97	-16,473.33	-16,436.86	-18,205.70	-17,120.82	-19,800.87	-19,387.90	-19,014.85	-19,898.66
A. Forest Land	-18,148.33	-19,341.50	-19,352.78	-21,255.04	-20,194.33	-23,021.26	-22,650.03	-22,390.63	-23,297.12
B. Cropland	2,342.99	2,314.66	2,275.91	2,285.95	2,239.13	2,249.50	2,208.42	2,234.18	2,169.33
C. Grassland	-17.94	-13.31	-8.53	-1.89	3.90	3.19	5.84	14.57	7.95
D. Wetlands	-58.46	-62.20	-62.22	-68.16	-64.81	-73.62	-72.41	-71.55	-74.34
E. Settlements	507.85	613.53	693.48	814.34	870.90	1,011.68	1,083.11	1,156.91	1,256.04
F. Other Land	1.81	3.61	5.42	7.22	9.03	10.83	12.64	14.45	16.25
G. Other	10.12	11.88	11.88	11.88	15.34	18.80	24.53	27.22	23.23
<b>6. Waste</b>	0.19	0.19	0.19	0.16	0.18	0.15	0.13	0.14	0.15
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling									
C. Waste Incineration	0.19	0.19	0.19	0.16	0.18	0.15	0.13	0.14	0.15
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CO<sub>2</sub> emissions including net CO<sub>2</sub> from LULUCF</b>	19,471.36	16,895.70	17,730.40	17,599.49	20,597.93	17,990.19	21,652.64	22,127.25	21,471.22
<b>Total CO<sub>2</sub> emissions excluding net CO<sub>2</sub> from LULUCF</b>	34,833.33	33,369.03	34,167.25	35,805.19	37,718.76	37,791.07	41,040.55	41,142.10	41,369.88
<b>Memo Items:</b>									
<b>International Bunkers</b>	2,097.52	1,811.80	2,169.53	2,312.09	2,462.27	2,841.18	3,171.59	3,772.86	3,687.43
Aviation	619.47	559.65	602.87	635.14	616.57	585.57	691.44	770.89	821.39
Marine	1,478.05	1,252.15	1,566.66	1,676.94	1,845.70	2,255.62	2,480.16	3,001.98	2,866.04
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>	4,478.18	4,381.07	4,104.04	4,420.31	4,738.78	4,846.91	4,870.16	5,080.99	4,710.31

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

Table 1 (a)  
Emission trends (CO<sub>2</sub>)  
(Sheet 2 of 3)

NOR\_BR1\_v2.0

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	34,953.38	34,201.33	35,983.57	35,670.43	36,940.01	36,838.06	36,303.03	37,133.33	38,895.62	37,578.17
A. Fuel Combustion (Sectoral Approach)	31,448.98	30,486.75	32,565.42	32,753.23	34,110.15	34,147.41	33,704.35	34,616.04	35,166.14	34,543.23
1. Energy Industries	9,714.30	10,653.05	11,888.81	12,131.27	12,831.27	12,939.34	13,207.79	13,193.77	13,529.31	13,557.68
2. Manufacturing Industries and Construction	3,951.75	3,784.26	3,864.68	3,641.47	3,942.76	3,685.60	3,425.29	3,740.86	3,466.63	3,476.78
3. Transport	13,460.42	12,635.28	12,926.45	12,768.70	13,118.74	13,584.98	13,503.49	14,122.12	14,897.72	14,345.78
4. Other Sectors	3,930.95	3,236.00	3,590.56	3,758.56	4,044.93	3,607.34	3,278.63	3,281.66	3,062.96	2,910.48
5. Other	391.56	178.16	294.91	453.23	172.46	330.15	289.15	277.63	209.52	252.50
B. Fugitive Emissions from Fuels	3,504.39	3,714.58	3,418.15	2,917.20	2,829.86	2,690.65	2,598.68	2,517.29	3,729.48	3,034.95
1. Solid Fuels	8.47	9.25	8.39	7.74	11.89	7.61	6.77	5.37	8.59	5.91
2. Oil and Natural Gas	3,495.93	3,705.33	3,409.76	2,909.46	2,817.97	2,683.04	2,591.91	2,511.93	3,720.89	3,029.03
<b>2. Industrial Processes</b>	7,018.03	7,447.74	7,031.64	6,464.95	6,557.37	7,066.02	6,613.90	6,198.84	6,453.38	6,705.45
A. Mineral Products	986.85	993.92	954.14	981.11	1,032.44	844.38	906.97	944.69	1,003.92	1,026.99
B. Chemical Industry	874.65	1,130.72	1,091.02	969.35	1,014.39	1,059.08	814.45	909.04	836.82	897.97
C. Metal Production	5,056.32	5,070.58	4,747.80	4,260.56	4,256.24	4,888.47	4,653.90	4,096.16	4,400.65	4,535.31
D. Other Production	79.28	232.01	217.26	233.60	231.57	242.97	200.35	210.30	165.23	198.77
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	20.92	20.50	21.42	20.32	22.73	31.12	38.23	38.65	46.76	46.40
<b>3. Solvent and Other Product Use</b>	148.08	141.69	144.32	147.11	149.89	153.12	142.49	131.57	133.03	127.43
<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</b>	-14,879.13	-15,012.91	-18,655.09	-21,207.12	-23,243.29	-26,747.65	-26,827.61	-21,715.05	-21,708.64	-24,522.15
A. Forest Land	-18,731.42	-18,881.11	-22,578.22	-25,649.50	-27,489.45	-30,741.43	-31,351.02	-26,116.23	-25,599.96	-28,956.93
B. Cropland	2,225.40	2,032.07	2,180.21	2,034.27	2,232.88	1,993.66	2,099.49	1,985.47	1,937.48	1,943.60
C. Grassland	115.91	217.23	164.63	63.24	262.30	61.63	140.92	144.98	113.37	276.47
D. Wetlands	-61.78	-34.44	-44.84	-48.74	-54.53	-70.05	-43.52	-26.21	-24.57	-52.97
E. Settlements	1,530.46	1,610.66	1,583.07	2,358.84	1,754.60	1,960.19	2,276.98	2,245.83	1,816.09	2,215.99
F. Other Land	16.25	16.25	16.25	16.25	32.50	32.50	32.50	32.50	32.50	32.50
G. Other	26.04	26.43	23.81	18.52	18.41	15.84	17.02	18.59	16.45	19.18
<b>6. Waste</b>	0.12	0.07	0.07	0.04	0.04	0.04	0.04	IE, NA, NO	IE, NA, NO	IE, NA, NO
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling										
C. Waste Incineration	0.12	0.07	0.07	0.04	0.04	0.04	0.04	IE, NA, NO	IE, NA, NO	IE, NA, NO
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CO2 emissions including net CO2 from LULUCF</b>	27,240.48	26,777.93	24,504.51	21,075.42	20,404.02	17,309.60	16,231.85	21,748.69	23,773.38	19,888.90
<b>Total CO2 emissions excluding net CO2 from LULUCF</b>	42,119.61	41,790.84	43,159.60	42,282.54	43,647.31	44,057.25	43,059.47	43,463.75	45,482.02	44,411.05
<b>Memo Items:</b>										
<b>International Bunkers</b>	3,619.86	3,514.91	3,428.96	2,808.04	2,803.69	2,815.92	3,343.66	3,508.39	3,235.17	3,232.22
Aviation	941.67	912.88	835.42	739.74	747.48	846.91	1,080.01	1,244.26	1,158.07	1,150.31
Marine	2,678.18	2,602.03	2,593.53	2,068.30	2,056.22	1,969.01	2,263.65	2,264.13	2,077.10	2,081.91
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>	4,895.94	4,743.57	5,186.94	5,309.74	5,429.74	5,212.68	5,336.32	5,419.81	5,602.65	5,848.91

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

**Emission trends (CO<sub>2</sub>)**  
**(Sheet 3 of 3)**

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	37,480.78	39,175.43	38,402.34	34.61
A. Fuel Combustion (Sectoral Approach)	35,080.32	36,528.72	35,772.21	38.28
1. Energy Industries	14,313.41	14,727.78	14,324.49	107.86
2. Manufacturing Industries and Construction	3,209.32	3,413.05	3,287.91	-6.65
3. Transport	14,172.40	14,762.74	14,870.59	36.90
4. Other Sectors	3,121.59	3,358.31	3,047.04	-26.35
5. Other	263.60	266.83	242.18	-46.91
B. Fugitive Emissions from Fuels	2,400.46	2,646.71	2,630.13	-1.11
1. Solid Fuels	4.60	4.11	5.08	-31.09
2. Oil and Natural Gas	2,395.86	2,642.61	2,625.06	-1.03
<b>2. Industrial Processes</b>	5,315.63	6,176.65	6,110.26	-0.61
A. Mineral Products	1,012.14	1,031.40	1,005.13	37.94
B. Chemical Industry	785.68	857.81	819.46	-31.13
C. Metal Production	3,291.07	4,027.93	4,053.80	-2.22
D. Other Production	180.76	207.27	179.59	132.32
E. Production of Halocarbons and SF <sub>6</sub>				
F. Consumption of Halocarbons and SF <sub>6</sub>				
G. Other	45.97	52.24	52.27	738.47
<b>3. Solvent and Other Product Use</b>	106.34	126.70	136.51	-12.30
<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</b>	-22,242.21	-23,602.32	-27,595.83	79.64
A. Forest Land	-26,725.27	-28,680.97	-32,379.79	78.42
B. Cropland	1,912.67	1,977.96	1,923.72	-17.89
C. Grassland	274.51	100.31	175.52	-1,078.49
D. Wetlands	-60.04	-81.52	-83.29	42.47
E. Settlements	2,306.77	3,021.63	2,704.28	432.50
F. Other Land	32.50	48.22	46.95	2,500.00
G. Other	16.65	12.04	16.78	65.79
<b>6. Waste</b>	IE, NA, NO	IE, NA, NO	IE, NA, NO	-100.00
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	0.00
B. Waste-water Handling				
C. Waste Incineration	IE, NA, NO	IE, NA, NO	IE, NA, NO	-100.00
D. Other	NO	NO	NO	0.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total CO<sub>2</sub> emissions including net CO<sub>2</sub> from LULUCF</b>	20,660.54	21,876.46	17,053.27	-12.42
<b>Total CO<sub>2</sub> emissions excluding net CO<sub>2</sub> from LULUCF</b>	42,902.74	45,478.78	44,649.10	28.18
<b>Memo Items:</b>				
<b>International Bunkers</b>	2,854.17	2,769.24	2,653.22	26.49
Aviation	1,093.53	1,300.96	1,172.43	89.26
Marine	1,760.65	1,468.29	1,480.78	0.18
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO<sub>2</sub> Emissions from Biomass</b>	5,407.50	6,467.58	6,339.47	41.56

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

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

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

Custom Footnotes

**Emission trends (CH<sub>4</sub>)**

(Sheet 1 of 3)

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	30.57	31.84	36.31	41.07	42.95	42.16	43.75	47.06	44.60
A. Fuel Combustion (Sectoral Approach)	12.65	12.02	11.88	12.60	12.97	12.71	13.14	13.45	12.82
1. Energy Industries	2.36	2.48	2.64	2.73	2.81	2.82	3.01	3.18	3.07
2. Manufacturing Industries and Construction	0.50	0.50	0.47	0.49	0.54	0.55	0.55	0.58	0.55
3. Transport	3.96	3.79	3.66	3.62	3.48	3.35	3.17	3.08	2.87
4. Other Sectors	5.81	5.23	5.09	5.74	6.12	5.97	6.40	6.59	6.30
5. Other	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
B. Fugitive Emissions from Fuels	17.92	19.82	24.43	28.47	29.97	29.45	30.60	33.61	31.78
1. Solid Fuels	2.69	2.86	2.38	2.63	2.63	2.59	2.64	2.31	2.41
2. Oil and Natural Gas	15.23	16.96	22.05	25.83	27.34	26.86	27.96	31.29	29.37
<b>2. Industrial Processes</b>	0.48	0.41	0.42	0.43	0.46	0.48	0.47	0.56	0.57
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA, NO	NA, NO
B. Chemical Industry	0.43	0.37	0.38	0.38	0.41	0.43	0.41	0.50	0.51
C. Metal Production	0.05	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.06
D. Other Production									
E. Production of Halocarbons and SF <sub>6</sub>									
F. Consumption of Halocarbons and SF <sub>6</sub>									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>									
<b>4. Agriculture</b>	125.49	125.71	126.75	125.02	126.98	127.02	128.55	127.26	127.94
A. Enteric Fermentation	110.32	110.37	111.70	109.90	111.86	111.55	112.76	111.59	112.06
B. Manure Management	14.20	14.58	14.63	14.55	14.71	14.96	15.24	15.27	15.46
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.97	0.76	0.41	0.57	0.41	0.51	0.55	0.40	0.42
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.05	0.09	0.08	0.02	0.02	0.01	0.05	0.05	0.02
A. Forest Land	0.05	0.09	0.08	0.02	0.02	0.01	0.05	0.05	0.02
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>6. Waste</b>	83.00	82.39	80.75	80.20	79.81	77.93	76.23	74.31	69.10
A. Solid Waste Disposal on Land	82.07	81.50	79.90	79.39	79.04	77.20	75.54	73.66	68.49
B. Waste-water Handling	0.93	0.89	0.85	0.81	0.77	0.73	0.68	0.64	0.60
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CH<sub>4</sub> emissions including CH<sub>4</sub> from LULUCF</b>	239.58	240.45	244.31	246.74	250.21	247.60	249.04	249.24	242.23
<b>Total CH<sub>4</sub> emissions excluding CH<sub>4</sub> from LULUCF</b>	239.53	240.36	244.23	246.72	250.19	247.60	248.99	249.19	242.21
<b>Memo Items:</b>									
<b>International Bunkers</b>	0.11	0.09	0.12	0.13	0.14	0.17	0.19	0.23	0.22
Aviation	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Marine	0.11	0.09	0.11	0.12	0.13	0.16	0.18	0.22	0.21
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>									

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



**Emission trends (CH<sub>4</sub>)**

(Sheet 2 of 3)

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	43.33	48.75	53.79	50.77	53.55	54.87	48.72	45.30	51.54	48.35
A. Fuel Combustion (Sectoral Approach)	12.64	12.79	13.27	14.16	14.50	14.21	14.05	14.01	14.98	15.41
1. Energy Industries	2.86	3.14	3.49	3.63	3.89	4.05	3.96	3.97	4.01	4.19
2. Manufacturing Industries and Construction	0.56	0.51	0.54	0.52	0.54	0.52	0.51	0.54	0.54	0.56
3. Transport	2.76	2.60	2.40	2.23	2.33	2.39	2.36	2.29	3.38	3.64
4. Other Sectors	6.44	6.53	6.83	7.77	7.73	7.23	7.21	7.21	7.04	7.00
5. Other	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
B. Fugitive Emissions from Fuels	30.69	35.95	40.51	36.61	39.05	40.66	34.67	31.28	36.56	32.95
1. Solid Fuels	3.09	3.37	3.06	2.83	4.34	2.78	2.01	1.96	3.14	2.16
2. Oil and Natural Gas	27.60	32.58	37.45	33.78	34.71	37.88	32.65	29.33	33.43	30.79
<b>2. Industrial Processes</b>	0.48	0.48	0.49	0.55	0.39	0.35	0.34	0.33	0.30	0.31
A. Mineral Products	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA	NA	NA
B. Chemical Industry	0.42	0.42	0.44	0.51	0.34	0.30	0.30	0.30	0.27	0.26
C. Metal Production	0.06	0.06	0.05	0.05	0.04	0.05	0.04	0.03	0.03	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>										
<b>4. Agriculture</b>	131.07	126.06	124.31	124.04	125.98	123.33	122.79	120.08	119.27	118.21
A. Enteric Fermentation	115.36	110.46	109.17	109.28	111.09	108.31	107.60	105.33	104.16	103.01
B. Manure Management	15.33	15.20	14.82	14.53	14.69	14.79	15.00	14.60	14.95	15.04
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.38	0.40	0.32	0.24	0.20	0.22	0.19	0.16	0.15	0.16
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.00	0.01	0.00	0.02	0.03	0.01	0.02	0.18	0.01	0.27
A. Forest Land	0.00	0.01	0.00	0.02	0.03	0.01	0.02	0.18	0.01	0.27
B. Cropland	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO	IE, NO
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>6. Waste</b>	63.53	65.55	62.77	59.75	58.90	58.50	54.95	55.74	54.62	52.24
A. Solid Waste Disposal on Land	62.97	65.04	62.30	59.32	58.53	58.06	54.50	55.28	54.14	51.77
B. Waste-water Handling	0.55	0.51	0.47	0.42	0.36	0.43	0.45	0.46	0.48	0.47
C. Waste Incineration	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CH<sub>4</sub> emissions including CH<sub>4</sub> from LULUCF</b>	238.41	240.85	241.36	235.13	238.85	237.06	226.81	221.63	225.74	219.39
<b>Total CH<sub>4</sub> emissions excluding CH<sub>4</sub> from LULUCF</b>	238.40	240.84	241.35	235.11	238.81	237.05	226.79	221.46	225.72	219.11
<b>Memo Items:</b>										
<b>International Bunkers</b>	0.21	0.20	0.20	0.16	0.16	0.15	0.18	0.18	0.17	0.17
Aviation	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Marine	0.19	0.19	0.19	0.15	0.15	0.14	0.16	0.16	0.15	0.15
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>										

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

**Emission trends (CH<sub>4</sub>)**

(Sheet 3 of 3)

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	47.26	49.47	46.35	51.60
A. Fuel Combustion (Sectoral Approach)	16.03	17.36	16.60	31.16
1. Energy Industries	4.50	4.61	4.52	91.95
2. Manufacturing Industries and Construction	0.47	0.56	0.57	15.46
3. Transport	3.86	4.06	4.31	8.78
4. Other Sectors	7.19	8.02	7.08	21.78
5. Other	0.02	0.11	0.11	359.01
B. Fugitive Emissions from Fuels	31.23	32.11	29.75	66.03
1. Solid Fuels	1.68	1.50	1.85	-31.09
2. Oil and Natural Gas	29.55	30.61	27.90	83.19
<b>2. Industrial Processes</b>	0.25	0.31	0.30	-36.69
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	0.21	0.25	0.25	-42.31
C. Metal Production	0.04	0.06	0.06	11.69
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
<b>3. Solvent and Other Product Use</b>				
<b>4. Agriculture</b>	114.06	113.59	111.24	-11.35
A. Enteric Fermentation	98.96	98.49	96.34	-12.68
B. Manure Management	15.01	14.98	14.82	4.36
C. Rice Cultivation	NO	NO	NO	0.00
D. Agricultural Soils	NO	NO	NO	0.00
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	0.10	0.11	0.08	-91.25
G. Other	NO	NO	NO	0.00
<b>5. Land Use, Land-Use Change and Forestry</b>	0.05	0.08	0.01	-80.54
A. Forest Land	0.05	0.08	0.01	-80.54
B. Cropland	IE, NO	IE, NO	IE, NO	0.00
C. Grassland	NO	NO	NO	0.00
D. Wetlands	NE, NO	NE, NO	NE, NO	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NA, NO	NA, NO	NA, NO	0.00
<b>6. Waste</b>	53.00	51.96	51.51	-37.93
A. Solid Waste Disposal on Land	52.55	51.51	51.05	-37.80
B. Waste-water Handling	0.44	0.45	0.46	-50.31
C. Waste Incineration	0.00	0.00	0.00	334.50
D. Other	NO	NO	NO	0.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total CH<sub>4</sub> emissions including CH<sub>4</sub> from LULUCF</b>	214.62	215.41	209.41	-12.59
<b>Total CH<sub>4</sub> emissions excluding CH<sub>4</sub> from LULUCF</b>	214.57	215.33	209.40	-12.58
<b>Memo Items:</b>				
<b>International Bunkers</b>	0.14	0.12	0.12	11.57
Aviation	0.02	0.02	0.02	300.16
Marine	0.13	0.11	0.11	0.26
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO<sub>2</sub> Emissions from Biomass</b>				

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

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

Custom Footnotes

**Emission trends (N<sub>2</sub>O)**  
(Sheet 1 of 3)

CRF: NOR\_CRF\_\_v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	1.03	1.03	1.03	1.04	1.14	1.21	1.32	1.34	1.21
A. Fuel Combustion (Sectoral Approach)	1.02	1.02	1.02	1.03	1.13	1.20	1.31	1.33	1.19
1. Energy Industries	0.09	0.10	0.11	0.11	0.12	0.12	0.12	0.12	0.12
2. Manufacturing Industries and Construction	0.14	0.14	0.14	0.16	0.19	0.20	0.20	0.21	0.16
3. Transport	0.50	0.50	0.49	0.50	0.57	0.63	0.73	0.75	0.65
4. Other Sectors	0.27	0.26	0.25	0.25	0.24	0.23	0.24	0.23	0.24
5. Other	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03
B. Fugitive Emissions from Fuels	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1. Solid Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>2. Industrial Processes</b>	6.71	6.20	4.42	5.13	5.31	5.30	5.24	5.20	5.46
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA, NO	NA, NO
B. Chemical Industry	6.69	6.18	4.41	5.11	5.29	5.28	5.22	5.18	5.44
C. Metal Production	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
D. Other Production									
E. Production of Halocarbons and SF <sub>6</sub>									
F. Consumption of Halocarbons and SF <sub>6</sub>									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.13
<b>4. Agriculture</b>	7.96	7.96	7.94	7.80	7.76	7.87	7.92	7.90	7.90
A. Enteric Fermentation									
B. Manure Management	0.53	0.55	0.55	0.53	0.56	0.56	0.57	0.55	0.55
C. Rice Cultivation									
D. Agricultural Soils	7.41	7.39	7.37	7.26	7.20	7.29	7.34	7.34	7.34
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
A. Forest Land	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
B. Cropland	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>6. Waste</b>	0.38	0.38	0.38	0.38	0.40	0.41	0.41	0.41	0.41
A. Solid Waste Disposal on Land									
B. Waste-water Handling	0.38	0.38	0.37	0.38	0.40	0.41	0.41	0.41	0.41
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total N<sub>2</sub>O emissions including N<sub>2</sub>O from LULUCF</b>	16.23	15.72	13.92	14.52	14.79	14.96	15.07	15.03	15.16
<b>Total N<sub>2</sub>O emissions excluding N<sub>2</sub>O from LULUCF</b>	16.19	15.67	13.88	14.48	14.74	14.91	15.02	14.98	15.11
<b>Memo Items:</b>									
<b>International Bunkers</b>	0.06	0.05	0.06	0.06	0.07	0.08	0.08	0.10	0.10
Aviation	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Marine	0.04	0.03	0.04	0.04	0.05	0.06	0.06	0.08	0.07
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>									

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

**Emission trends (N<sub>2</sub>O)**

(Sheet 2 of 3)

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	1.30	1.18	1.28	1.25	1.30	1.33	1.19	1.27	1.38	1.33
A. Fuel Combustion (Sectoral Approach)	1.29	1.16	1.26	1.24	1.29	1.32	1.18	1.26	1.36	1.31
1. Energy Industries	0.12	0.12	0.13	0.13	0.14	0.14	0.13	0.14	0.14	0.15
2. Manufacturing Industries and Construction	0.14	0.13	0.15	0.14	0.14	0.14	0.12	0.13	0.13	0.14
3. Transport	0.77	0.68	0.72	0.70	0.74	0.78	0.65	0.73	0.83	0.77
4. Other Sectors	0.24	0.23	0.26	0.25	0.26	0.26	0.26	0.25	0.25	0.25
5. Other	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01
B. Fugitive Emissions from Fuels	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
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	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
<b>2. Industrial Processes</b>	6.20	5.61	5.45	6.18	5.53	5.98	6.32	5.26	4.45	3.03
A. Mineral Products	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA	NA	NA
B. Chemical Industry	6.18	5.59	5.43	6.16	5.52	5.96	6.31	5.25	4.45	3.02
C. Metal Production	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01
D. Other Production										
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14
<b>4. Agriculture</b>	7.82	7.81	7.60	7.61	7.70	7.70	7.71	7.59	7.70	7.62
A. Enteric Fermentation										
B. Manure Management	0.56	0.57	0.57	0.57	0.51	0.51	0.51	0.51	0.52	0.53
C. Rice Cultivation										
D. Agricultural Soils	7.25	7.23	7.03	7.04	7.18	7.19	7.20	7.09	7.18	7.09
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07
A. Forest Land	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
B. Cropland	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
C. Grassland	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Wetlands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>6. Waste</b>	0.42	0.38	0.38	0.36	0.38	0.38	0.39	0.40	0.42	0.43
A. Solid Waste Disposal on Land										
B. Waste-water Handling	0.42	0.38	0.38	0.36	0.38	0.38	0.39	0.40	0.42	0.43
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total N<sub>2</sub>O emissions including N<sub>2</sub>O from LULUCF</b>	15.93	15.16	14.90	15.58	15.10	15.59	15.81	14.72	14.16	12.62
<b>Total N<sub>2</sub>O emissions excluding N<sub>2</sub>O from LULUCF</b>	15.87	15.11	14.84	15.52	15.04	15.52	15.74	14.66	14.09	12.55
<b>Memo Items:</b>										
<b>International Bunkers</b>	0.10	0.09	0.09	0.08	0.08	0.08	0.09	0.10	0.09	0.09
Aviation	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.04	0.04	0.04
Marine	0.07	0.07	0.07	0.05	0.05	0.05	0.06	0.06	0.05	0.05
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>										

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

**Emission trends (N<sub>2</sub>O)****(Sheet 3 of 3)**

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	1.26	1.42	1.46	41.74
A. Fuel Combustion (Sectoral Approach)	1.25	1.40	1.45	42.65
1. Energy Industries	0.16	0.17	0.16	78.80
2. Manufacturing Industries and Construction	0.11	0.14	0.14	-0.20
3. Transport	0.73	0.83	0.89	78.27
4. Other Sectors	0.25	0.26	0.25	-8.28
5. Other	0.01	0.02	0.01	-29.55
B. Fugitive Emissions from Fuels	0.01	0.01	0.01	-24.00
1. Solid Fuels	NA, NO	NA, NO	NA, NO	0.00
2. Oil and Natural Gas	0.01	0.01	0.01	-24.00
<b>2. Industrial Processes</b>	1.50	1.17	0.95	-85.87
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	1.49	1.15	0.93	-86.05
C. Metal Production	0.01	0.02	0.01	-14.48
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
<b>3. Solvent and Other Product Use</b>	0.14	0.14	0.14	23.95
<b>4. Agriculture</b>	7.22	6.96	7.20	-9.52
A. Enteric Fermentation				
B. Manure Management	0.53	0.53	0.52	-1.82
C. Rice Cultivation				
D. Agricultural Soils	6.69	6.43	6.68	-9.86
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	0.00	0.00	0.00	-91.25
G. Other	NO	NO	NO	0.00
<b>5. Land Use, Land-Use Change and Forestry</b>	0.07	0.07	0.07	71.40
A. Forest Land	0.04	0.04	0.04	-2.71
B. Cropland	0.03	0.03	0.03	2,782.55
C. Grassland	NO	NO	NO	0.00
D. Wetlands	0.00	0.00	0.00	0.00
E. Settlements	NE, NO	NE, NO	NE, NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NA, NO	NA, NO	NA, NO	0.00
<b>6. Waste</b>	0.45	0.44	0.45	19.10
A. Solid Waste Disposal on Land				
B. Waste-water Handling	0.45	0.44	0.45	19.11
C. Waste Incineration	0.00	0.00	0.00	2.44
D. Other	NO	NO	NO	0.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total N2O emissions including N2O from LULUCF</b>	10.64	10.20	10.28	-36.69
<b>Total N2O emissions excluding N2O from LULUCF</b>	10.57	10.12	10.20	-36.97
<b>Memo Items:</b>				
<b>International Bunkers</b>	0.08	0.08	0.07	31.08
Aviation	0.03	0.04	0.04	89.26
Marine	0.04	0.04	0.04	0.26
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO2 Emissions from Biomass</b>				

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

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

Custom Footnotes

Table 1(d)

NOR\_BR1\_v2.0

**Emission trends (HFCs, PFCs and SF<sub>6</sub>)**

(Sheet 1 of 3)

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	0.05	9.01	18.12	28.45	44.20	80.34	112.22	164.81	209.78
HFC-23	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00
HFC-32	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06
HFC-152a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	3,370.40	2,992.92	2,286.92	2,297.72	2,032.47	2,007.96	1,829.46	1,633.25	1,485.80
CF <sub>4</sub>	0.47	0.42	0.32	0.32	0.29	0.28	0.26	0.23	0.21
C <sub>2</sub> F <sub>6</sub>	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01
C <sub>3</sub> F <sub>8</sub>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00
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
c-C <sub>4</sub> F <sub>8</sub>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>5</sub> F <sub>12</sub>	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
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	2,199.78	2,079.15	705.03	737.71	877.98	607.79	574.10	579.86	726.74
SF <sub>6</sub>	0.09	0.09	0.03	0.03	0.04	0.03	0.02	0.02	0.03

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

Table 1(d)

NOR\_BR1\_v2.0

**Emission trends (HFCs, PFCs and SF<sub>6</sub>)**

(Sheet 2 of 3)

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	270.78	327.32	403.07	491.79	475.15	507.56	524.05	579.46	612.11	691.95
HFC-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-32	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	0.03	0.03	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07
HFC-134	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-134a	0.07	0.08	0.09	0.10	0.11	0.11	0.12	0.14	0.17	0.20
HFC-152a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-143	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-143a	0.02	0.03	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.05
HFC-227ea	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
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	1,388.70	1,318.11	1,328.81	1,437.76	909.25	880.06	828.71	742.51	820.94	772.75
CF <sub>4</sub>	0.20	0.19	0.19	0.20	0.13	0.12	0.12	0.10	0.11	0.10
C <sub>2</sub> F <sub>6</sub>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C <sub>3</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>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	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>5</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(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	873.96	934.42	791.20	238.30	227.86	276.05	312.03	212.09	76.24	65.40
SF <sub>6</sub>	0.04	0.04	0.03	0.01	0.01	0.01	0.01	0.01	0.00	0.00

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

Emission trends (HFCs, PFCs and SF<sub>6</sub>)

(Sheet 3 of 3)

CRF: NOR\_CRF\_\_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	736.47	914.44	950.21	1,917,097.30
HFC-23	0.00	0.00	0.00	100.00
HFC-32	0.02	0.02	0.02	100.00
HFC-41	NA, NO	NA, NO	NA, NO	0.00
HFC-43-10mee	NA, NO	NA, NO	NA, NO	0.00
HFC-125	0.07	0.09	0.10	244,984,779,848.75
HFC-134	0.00	0.00	0.00	100.00
HFC-134a	0.23	0.26	0.28	198,896,411,000.00
HFC-152a	0.00	0.00	0.00	378.77
HFC-143	0.00	0.00	0.00	100.00
HFC-143a	0.05	0.07	0.06	161,703,332,383.75
HFC-227ea	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
HFC-236fa	NA, NO	NA, NO	NA, NO	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	0.00
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	376.72	205.08	225.73	-93.30
CF <sub>4</sub>	0.05	0.03	0.03	-93.60
C <sub>2</sub> F <sub>6</sub>	0.01	0.00	0.00	-90.56
C <sub>3</sub> F <sub>8</sub>	NA, NO	NA, NO	NA, NO	0.00
C <sub>4</sub> F <sub>10</sub>	NA, NO	NA, NO	NA, NO	0.00
c-C <sub>4</sub> F <sub>8</sub>	NA, NO	NA, NO	NA, NO	0.00
C <sub>5</sub> F <sub>12</sub>	NA, NO	NA, NO	NA, NO	0.00
C <sub>6</sub> F <sub>14</sub>	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	0.00
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	61.46	75.38	60.72	-97.24
SF <sub>6</sub>	0.00	0.00	0.00	-97.24

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

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

<sup>c</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>d</sup>In accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories", HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is kt of CO<sub>2</sub> equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

## Custom Footnotes

Documentation Box:

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Table 2(a)

NOR\_BR1\_v2.0

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

<i>Party</i>	<i>Norway</i>	
Base year /base period	1990	
Emission reduction target	% of base year/base period	% of 1990 <sup>b</sup>
	-30.00	-30.00
Period for reaching target	2013-2020	

<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.

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

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
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>		Not yet decided
Other Gases (specify)		
Sectors covered <sup>b</sup>	Energy	Yes
	Transport <sup>f</sup>	Yes
	Industrial processes <sup>g</sup>	Yes
	Agriculture	Yes
	LULUCF	Yes
	Waste	Yes
	Other Sectors (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>f</sup> Transport is reported as a subsector of the energy sector.

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

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

<i>Gases</i>	<i>GWP values<sup>b</sup></i>
CO <sub>2</sub>	4nd AR
CH <sub>4</sub>	4nd AR
N <sub>2</sub> O	4nd AR
HFCs	4nd AR
PFCs	4nd AR
SF <sub>6</sub>	4nd AR
NF <sub>3</sub>	4nd AR
Other Gases (specify)	

*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.

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

<b>Role of LULUCF</b>	LULUCF in base year level and target	Included
	Contribution of LULUCF is calculated using	Activity-based approach

*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 prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

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

<i>Market-based mechanisms under the Convention</i>	<i>Possible scale of contributions (estimated kt CO<sub>2</sub> eq)</i>
CERs	NE
ERUs	NE
AAUs <sup>i</sup>	NE
Carry-over units <sup>j</sup>	NE
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>d</sup> As indicated in paragraph 5(e) of the guidelines contained in annex I of decision 2/CP.17 .

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

<sup>j</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 1/CMP.8.

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

<i>Other market-based mechanisms</i>	<i>Possible scale of contributions</i>
<i>(Specify)</i>	<i>(estimated kt CO<sub>2</sub> eq)</i>

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

**Description of quantified economy-wide emission reduction target: any other information<sup>a,b</sup>**

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

***Custom Footnotes***

All currently available mechanisms under the Convention may be used to meet the target. Future mechanisms will be considered, but first a decision on this must be taken by the COP, and if applicable, by the CMP.

Other market-based mechanisms that are not under the Convention will not be used for meeting Norway's target for KP 2.

Protocol, including for LULUCF, applies both to the 2020 target and the commitment under the Protocol. The consistency between the two targets is described in Norway's submission of 8 May 2012 to the Ad Hoc Working Group on Further Commitments for Annex I Parties under the Kyoto Protocol and Norway's presentation in the same group 12 May 2012, see [http://unfccc.int/files/meetings/ad\\_hoc\\_working\\_groups/kp/application/pdf/awgkp\\_norway\\_ppt.pdf](http://unfccc.int/files/meetings/ad_hoc_working_groups/kp/application/pdf/awgkp_norway_ppt.pdf). This includes Norway's expected contribution from the LULUCF sector at the time following the accounting rules under the Kyoto Protocol with its activity based approach.

The 2020 target is operationalised through the QELRC for 2013-2020 under the Kyoto Protocol and the Protocol's accounting rules apply. The expected contribution from LULUCF in the target period is explained in the chapter 5.4.2 of the NC 6 p 120. A decision on accounting for other activities than forest management under Art. 3.4, which is referred to on p. 258, could entail some reflection of LULUCF categories also in base year.





Table 3

NOR\_BR1\_v2.0

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

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
									2020	2030

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

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

<sup>a</sup> Parties should use an asterisk (\*) to indicate that a mitigation action is included in the 'with measures' projection.

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

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

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

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

<sup>f</sup> Optional year or years deemed relevant by the Party.

**Custom Footnotes**

For CO<sub>2</sub> tax on natural gas and LPG, the estimated effect in the range of 0-50 kt CO<sub>2</sub>-eq.

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

<i>Year<sup>c</sup></i>	<i>Total emissions excluding LULUCF</i>	<i>Contribution from LULUCF<sup>d</sup></i>	<i>Quantity of units from market based mechanisms under the Convention</i>		<i>Quantity of units from other market based mechanisms</i>	
	<i>(kt CO<sub>2</sub> eq)</i>	<i>(kt CO<sub>2</sub> eq)</i>	<i>(number of units)</i>	<i>(kt CO<sub>2</sub> eq)</i>	<i>(number of units)</i>	<i>(kt CO<sub>2</sub> eq)</i>
(1990)	50,453.00	NA	NA	NA	NA	NA
2010	54,334.00	0.00	19,217.10	19,217.00	NA	NA
2011	53,446.00	0.00	19,333.29	19,333.29		
2012	NA	NA	19,132.76	19,132.76		

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

<sup>c</sup> Parties may add additional rows for years other than those specified below.

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

**Custom Footnotes**

The emissions for 2012 will be reported in April 2014

RMUs issued by Norway will not be used to meet the commitment under Article 3.1

Units from market-based mechanisms correspond to the units surrendered by the installations in Norway that are covered by the EU-ETS.

**Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2011<sup>a,b</sup>**

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

*Abbreviations* : GHG = greenhouse gas, 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> Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

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

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

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

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

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

**Custom Footnotes**

**Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2012<sup>a, b</sup>**

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

*Abbreviations*: GHG = greenhouse gas, 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> Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

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

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

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

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

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

**Custom Footnotes**

**Progress in 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<sup>a,b,c</sup>**

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Base year <sup>d</sup>	Net emissions/removals <sup>e</sup>					Accounting parameters <sup>h</sup>	Accounting quantity <sup>i</sup>
		2008	2009	2010	2011	Total <sup>g</sup>		
(kt CO <sub>2</sub> eq)								
<b>A. Article 3.3 activities</b>								

Note: 1 kt CO<sub>2</sub> eq equals 1 Gg CO<sub>2</sub> eq.

Abbreviations : CRF = common reporting format, 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> Developed country Parties with a quantified economy-wide emission reduction target as communicated to the secretariat and contained in document FCCC/SB/2011/INF.1/Rev.1 or any update to that document, that are Parties to the Kyoto Protocol, may use table 4(a)II for reporting of accounting quantities if LULUCF is contributing to the attainment of that target.

<sup>c</sup> Parties can include references to the relevant parts of the national inventory report, where accounting methodologies regarding LULUCF are further described in the documentation box or in the biennial

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

<sup>e</sup> All values are reported in the information table on accounting for activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.

<sup>f</sup> Additional columns for relevant years should be added, if applicable.

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

<sup>h</sup> The values in the cells "3.3 offset" and "Forest management cap" are absolute values.

<sup>i</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, paragraph 4, of the Kyoto Protocol.

<sup>j</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 the credits accounted for on that unit of land.

<sup>k</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 paragraph 3, may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under forest management under Article 3, paragraph 4, up to a level that is equal to the net source of emissions under the provisions of Article 3, paragraph 3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3.

<sup>l</sup> In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period of the Kyoto Protocol only, additions to and subtractions from the assigned amount of a Party resulting from Forest management under Article 3, paragraph 4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from forest management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

**Custom Footnotes**

**Documentation Box:**

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

<i>Units of market based mechanisms</i>			<i>Year</i>	
			<i>2011</i>	<i>2012</i>
<i>Kyoto Protocol units<sup>d</sup></i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>	19,333.29	19,132.76
		<i>(kt CO<sub>2</sub> eq)</i>	19,333.29	19,132.76
	<i>AAUs</i>	<i>(number of units)</i>	15,962.51	19,132.76
		<i>(kt CO<sub>2</sub> eq)</i>	15,962.51	19,132.76
	<i>ERUs</i>	<i>(number of units)</i>	138.14	0.00
		<i>(kt CO<sub>2</sub> eq)</i>	138.14	0.00
	<i>CERs</i>	<i>(number of units)</i>	3,232.64	0.00
		<i>(kt CO<sub>2</sub> eq)</i>	3,232.64	0.00
	<i>tCERs</i>	<i>(number of units)</i>	0.00	0.00
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00
	<i>ICERs</i>	<i>(number of units)</i>	0.00	0.00
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00
<i>Other units<sup>d,e</sup></i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		
	<i>Units from other market-based mechanisms</i>	<i>(number of units)</i>		
		<i>(kt CO<sub>2</sub> eq)</i>		
<i>Total</i>	<i>(number of units)</i>	19,333.29	19,132.76	
	<i>(kt CO<sub>2</sub> eq)</i>	19,333.29	19,132.76	

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

Note: 2011 is the latest reporting year.

<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> Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

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

**Custom Footnotes**

Table 5

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**Summary of key variables and assumptions used in the projections analysis<sup>a</sup>**

<i>Key underlying assumptions</i>		<i>Historical<sup>b</sup></i>						<i>Projected</i>			
<i>Assumption</i>	<i>Unit</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2010</i>	<i>2011</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>Gross domestic product (GDP)</i>	<i>million NOK. Fixed 2005- prices</i>	1,221,175.00		1,756,996.00			2,061,807.00		2,677,835.00		3,212,241.00
- Petroleum activities and ocean transport	Million NOK. Fixed 2005-prices	269,222.00		487,421.00			389,785.00		403,467.00		332,957.00
- Mainland Norway	Million NOK. Fixed 2005-prices	929,055.00		1,281,285.00			1,684,451.00		2,284,509.00		2,889,388.00
Consumption	Million NOK. Fixed 2005-prices	767,556.00		1,041,930.00			1,444,246.00		2,054,255.00		2,740,279.00
Gross fixed capital formation	Million NOK. Fixed 2005-prices	201,691.00		302,671.00			124,695.00		517,496.00		530,251.00
- Petroleum activities and ocean transport	Million NOK. Fixed 2005-prices	64,919.00		88,473.00			124,695.00		142,409.00		94,806.00
- Mainland Norway	Million NOK. Fixed 2005-prices	133,965.00		213,506.00			297,701.00		375,754.00		434,836.00
Population	thousands	4,249.83		4,503.44			4,985.87		5,572.43		6,079.64
Number of persons employed	thousands	2,059.00		2,320.00			2,632.00		2,924.00		3,036.00
<i>Oil price</i>	<i>2011-NOK</i>	248.00		328.00			622.00		505.00		505.00

<sup>a</sup> Parties should include key underlying assumptions as appropriate.

<sup>b</sup> Parties should include historical data used to develop the greenhouse gas projections reported.

**Custom Footnotes**

For the assumptions on GDP, consumption and gross fixed capital formation, the estimates for 2020 and 2030 are based on annual growth rates.

Table 6(a)

NOR\_BR1\_v2.0

Information on updated greenhouse gas projections under a 'with measures' scenario<sup>a</sup>

	<i>GHG emissions and removals<sup>b</sup></i>							GHG emission projections	
	<i>(kt CO<sub>2</sub> eq)</i>							<i>(kt CO<sub>2</sub> eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030
<b><i>Sector<sup>d,e</sup></i></b>									
Energy	18,389.77	18,389.77	20,008.85	22,689.77	23,937.96	25,616.47	24,592.28	25,300.00	23,000.00
Transport	11,101.51	11,101.51	12,147.53	12,900.49	13,755.99	15,105.94	15,238.52	15,900.00	16,600.00
Industry/industrial processes	13,998.24	13,998.24	11,284.01	11,958.53	10,429.76	7,910.34	7,827.62	8,100.00	7,700.00
Agriculture	5,012.63	5,012.63	5,015.75	4,975.10	4,878.19	4,456.49	4,484.53	4,200.00	4,200.00
Forestry/LULUCF	-15,347.62	-15,347.62	-19,785.49	-14,995.68	-26,805.80	-23,578.03	-27,572.93	-23,800.00	-19,800.00
Waste management/waste	1,860.23	1,860.23	1,764.14	1,493.21	1,273.84	1,228.01	1,221.25	800.00	700.00
Other (specify)									
<b><i>Gas</i></b>									
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	19,471.36	19,471.36	17,990.19	26,777.93	16,231.85	21,945.45	17,055.23	22,400.00	24,700.00
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	34,833.33	34,833.33	37,791.07	41,790.84	43,059.47	45,547.77	44,651.06	46,200.00	44,500.00
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	5,031.25	5,031.25	5,199.64	5,057.81	4,763.08	4,523.64	4,397.65	NE	NE
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	5,030.13	5,030.13	5,199.50	5,199.50	4,762.67	4,522.02	4,397.44	3,900.00	3,700.00
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	4,941.91	4,941.91	4,548.86	4,605.82	4,810.21	3,075.23	3,101.74	NE	NE
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	4,928.68	4,928.68	4,533.62	4,588.77	4,788.81	3,052.57	3,079.06	2,900.00	3,000.00
HFCs	0.05	0.05	80.34	327.32	524.05	914.44	950.21	1,100.00	700.00
PFCs	3,370.40	3,370.40	2,007.96	1,318.11	828.71	205.08	225.73	200.00	200.00
SF <sub>6</sub>	2,199.78	2,199.78	607.79	934.42	312.03	75.38	60.72	100.00	100.00
Other (specify)									
<b>Total with LULUCF<sup>f</sup></b>	35,014.75	35,014.75	30,434.78	39,021.41	27,469.93	30,739.22	25,791.28	23,800.00	25,700.00
<b>Total without LULUCF</b>	50,362.37	50,362.37	50,220.28	54,158.96	54,275.74	54,317.26	53,364.22	54,400.00	52,200.00



**Information on updated greenhouse gas projections under a ‘with measures’ scenario<sup>a</sup>**

	<i>GHG emissions and removals<sup>b</sup></i>							GHG emission projections	
	<i>(kt CO<sub>2</sub> eq)</i>							<i>(kt CO<sub>2</sub> eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030

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

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

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

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

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

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

<sup>f</sup> Parties may choose to report total emissions with or without LULUCF, as appropriate.

**Custom Footnotes**

Table 7

NOR\_BR1\_v2.0

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

Allocation channels	Year									
	Norwegian krone - NOK					USD <sup>b</sup>				
	Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>				Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>			
		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>
<b>Total contributions through multilateral channels:</b>	2,730,073,14 1.07	-361,557.63		441,350,493. 82	719,766,324. 00					
Multilateral climate change funds <sup>g</sup>	194,333,000. 00	-361,557.63								
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks	1,665,740,14 1.07			14,000,000.0 0	719,766,324. 00					
Specialized United Nations bodies	870,000,000. 00			427,350,493. 82						
<b>Total contributions through bilateral, regional and other channels</b>		66,554,524.4 4	8,562,621.59	1,887,907,17 8.29						
<b>Total</b>	2,730,073,14 1.07	66,192,966.8 1	8,562,621.59	2,329,257,67 2.11	719,766,324. 00					

Abbreviation: USD = United States dollars.

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

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

<sup>c</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

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

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

<sup>f</sup> Please specify.

<sup>g</sup> Multilateral climate change funds listed in paragraph 17(a) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

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

**Custom Footnotes**

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

**Documentation Box:**

Table 7

NOR\_BR1\_v2.0

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

Allocation channels	Year									
	Norwegian krone - NOK					USD <sup>b</sup>				
	Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>				Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>			
Mitigation		Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>	Mitigation		Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>	
<b>Total contributions through multilateral channels:</b>	2,666,750,73 7.44			1,963,855,45 2.17						
Multilateral climate change funds <sup>g</sup>	162,333,000. 00									
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks	1,634,417,73 7.44			1,388,375,80 0.00						
Specialized United Nations bodies	870,000,000. 00			575,479,652. 17						
<b>Total contributions through bilateral, regional and other channels</b>		272,104,787. 78	25,330,765.1 3	2,686,987,92 0.47						
<b>Total</b>	2,666,750,73 7.44	272,104,787. 78	25,330,765.1 3	4,650,843,37 2.64						

Abbreviation: USD = United States dollars.

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

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

<sup>c</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

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

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

<sup>f</sup> Please specify.

<sup>g</sup> Multilateral climate change funds listed in paragraph 17(a) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

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

**Custom Footnotes**

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

**Documentation Box:**

Table 7(a)

NOR\_BR1\_v2.0

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

Donor funding	Total amount				Status <sup>b</sup>	Funding source <sup>f</sup>	Financial instrument <sup>f</sup>	Type of support <sup>f,8</sup>	Sector <sup>c</sup>
	Core/general <sup>d</sup>		Climate-specific <sup>e</sup>						
	Norwegian krone - NOK	USD	Norwegian krone - NOK	USD					
Total contributions through multilateral channels	2,730,073,141.07		1,160,755,260.19						
Multilateral climate change funds <sup>g</sup>	194,333,000.00		-361,557.63						
1. Global Environment Facility	106,333,000.00			Provided	ODA	Grant	Other ()	Other (Other)	
2. Least Developed Countries Fund	53,000,000.00			Provided	ODA	Grant	Other ()	Other (Other)	
3. Special Climate Change Fund	15,000,000.00			Provided	ODA	Grant	Other ()	Other (Other)	
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities	20,000,000.00		-361,557.63	Provided	ODA	Grant	Mitigation	Cross-cutting	
7. Other multilateral climate change funds									
other				Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Multilateral financial institutions, including regional development banks	1,665,740,141.07		733,766,324.00						
1. World Bank	1,018,951,392.10		719,766,324.00	Provided					
2. International Finance Corporation				Provided					
3. African Development Bank	534,155,862.00			Provided	ODA	Grant	Other ()	Other (other)	
4. Asian Development Bank	71,824,909.84			Provided	ODA	Grant	Other ()	Other (Other)	
5. European Bank for Reconstruction and Development	37,345,000.00		14,000,000.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
6. Inter-American Development Bank	3,462,977.13			Provided	ODA	Grant	Other ()	Other (other)	
7. Other									
Specialized United Nations bodies	870,000,000.00		427,350,493.82						
1. United Nations Development Programme	770,000,000.00		280,845,069.37						
UNDP	770,000,000.00		280,845,069.37	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
2. United Nations Environment Programme	100,000,000.00		2,694,972.04						
UNEP	100,000,000.00		2,694,972.04	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
3. Other			143,810,452.41						
other			143,810,452.41	Provided	ODA	Grant	Cross-cutting	Cross-cutting	

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

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

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

<sup>d</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

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

<sup>f</sup> Please specify.

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

**Custom Footnotes**

Table 7(a)

NOR\_BR1\_v2.0

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

Donor funding	Total amount				Status <sup>b</sup>	Funding source <sup>f</sup>	Financial instrument <sup>f</sup>	Type of support <sup>f, g</sup>	Sector <sup>c</sup>
	Core/general <sup>d</sup>		Climate-specific <sup>e</sup>						
	Norwegian krone - NOK	USD	Norwegian krone - NOK	USD					
Total contributions through multilateral channels	2,666,750,737.44		1,963,855,452.17						
Multilateral climate change funds <sup>g</sup>	162,333,000.00								
1. Global Environment Facility	106,333,000.00			Provided	ODA	Grant	Other ()	Other (other)	
2. Least Developed Countries Fund	20,000,000.00			Provided	ODA	Grant	Other ()	Other (other)	
3. Special Climate Change Fund	17,000,000.00			Provided	ODA	Grant	Other ()	Other (other)	
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities	19,000,000.00			Provided	ODA	Grant	Other ()	Other (other)	
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks	1,634,417,737.44		1,388,375,800.00						
1. World Bank	1,008,423,955.11		1,197,875,800.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
2. International Finance Corporation									
3. African Development Bank	533,806,307.00		155,000,000.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
4. Asian Development Bank	73,454,715.24		20,000,000.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
5. European Bank for Reconstruction and Development	15,386,750.00		15,500,000.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
6. Inter-American Development Bank	3,346,010.09			Provided	ODA	Grant	Other ()	Other (other)	
7. Other									
Specialized United Nations bodies	870,000,000.00		575,479,652.17						
1. United Nations Development Programme	770,000,000.00		408,856,508.94						
UNDP	770,000,000.00		408,856,508.94	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
2. United Nations Environment Programme	100,000,000.00		28,588,541.44						
UNEP	100,000,000.00		28,588,541.44	Provided	ODA	Grant	Cross-cutting	Cross-cutting	
3. Other			138,034,601.79						
other			138,034,601.79	Provided	ODA	Grant	Cross-cutting	Cross-cutting	

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

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

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

<sup>d</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

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

<sup>f</sup> Please specify.

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

**Custom Footnotes**

Table 7(b)

NOR\_BR1\_v2.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

Recipient country/ region/project/programme <sup>b</sup>	Total amount		Status <sup>c</sup>	Funding source <sup>g</sup>	Financial instrument <sup>g</sup>	Type of support <sup>g, h</sup>	Sector <sup>d</sup>	Additional information <sup>e</sup>
	Climate-specific <sup>f</sup>							
	Norwegian krone - NOK	USD						
Total contributions through bilateral, regional and other channels	1,963,024,32 4.32							
Afghanistan /	7,000,000.00		Provided	ODA	Grant	Mitigation	Energy	
Africa /	20,214,065.1 2		Provided	ODA	Grant	Cross- cutting	Cross- cutting	
America /	2,472,824.00		Provided	ODA	Grant	Mitigation	Other (Other)	
Armenia /	1,817,500.00		Provided	ODA	Grant	Cross- cutting	Cross- cutting	
Asia /	16,464,149.0 0		Provided	ODA	Grant	Cross- cutting	Cross- cutting	
Azerbaijan /	2,560,000.00		Provided	ODA	Grant	Mitigation	Energy	
Bangladesh /	4,507,643.41		Provided	ODA	Grant	Cross- cutting	Cross- cutting	
Belarus /	3,816,500.00		Provided	ODA	Grant	Mitigation	Cross- cutting	
Bhutan /	13,778,560.7 1		Provided	ODA	Grant	Mitigation	Cross- cutting	
Brazil /	364,379,838. 00		Provided	ODA	Grant	Cross- cutting	Cross- cutting	
Cambodia /	213,371.00		Provided	ODA	Grant	Mitigation	Cross- cutting	
Cameroon /	327,343.00		Provided	ODA	Grant	Mitigation	Energy	
Chile /	- 68,145,210.0 0		Provided	ODA	Grant	Mitigation	Energy	
China /	38,474,543.9 9		Provided	ODA	Grant	Cross- cutting	Cross- cutting	
Democratic Republic of the Congo /	14,006,569.2 2		Provided	ODA	Grant	Cross- cutting	Cross- cutting	

Cuba /	720,000.00		Provided	ODA	Grant	Mitigation	Water and sanitation	
Dominican Republic /	162,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Eritrea /	572,289.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Ethiopia /	31,454,967.22		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Europe /	6,122,487.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Georgia /	1,500,000.00		Provided	ODA	Grant	Mitigation	Energy	
Ghana /	3,733,166.00		Provided	ODA	Grant	Mitigation	Forestry	
Global /	419,869,073.30		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Guatemala /	11,210,400.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Guyana /	5,981,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Haiti /	413,801.00		Provided	ODA	Grant	Cross-cutting	Agriculture	
India /	42,308,492.01		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Indonesia /	15,628,685.01		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Kazakhstan /	4,680,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Kenya /	24,319,831.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Kosovo /	4,088,533.05		Provided	ODA	Grant	Mitigation	Forestry	
Kyrgyzstan /	97,000.00		Provided	ODA	Grant	Mitigation	Agriculture	
Lao People's Democratic Republic /	38,663,770.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Liberia /	4,922,334.00		Provided	ODA	Grant	Mitigation	Forestry	
Macedonia (Fyrom) /	8,900,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Madagascar /	6,399,875.59		Provided	ODA	Grant	Cross-cutting	Cross-cutting	

Malawi /	158,236,078.14	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Malaysia /	1,370,000.00	Provided	ODA	Grant	Mitigation	Forestry
Mali /	28,772,696.90	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Mozambique /	52,044,275.19	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Myanmar /	348,685.00	Provided	ODA	Grant	Mitigation	Other (other)
Nepal /	43,301,299.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Nicaragua /	24,559,449.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Niger /	8,231,297.59	Provided	ODA	Grant	Adaptation	Other (other)
Nigeria /	299,280.00	Provided	ODA	Grant	Mitigation	Energy
Pakistan /	10,072,803.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Palestine /	450,000.00	Provided	ODA	Grant	Mitigation	Water and sanitation
Panama /	38,814,227.00	Provided	ODA	Grant	Mitigation	Energy
Papua New Guinea /	300,295.89	Provided	ODA	Grant	Mitigation	Other (other)
Peru /	3,500,000.00	Provided	ODA	Grant	Mitigation	Forestry
Philippines /	45,184,036.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Serbia /	48,356.86	Provided	ODA	Grant	Cross-cutting	Other (other)
South Africa /	9,225,783.98	Provided	ODA	Grant	Cross-cutting	Cross-cutting
South of Sahara /	83,912,687.26	Provided	ODA	Grant	Cross-cutting	Cross-cutting
South Sudan /	9,416,520.00	Provided	ODA	Grant	Mitigation	Cross-cutting
Sri Lanka /	366,973.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting
Saint Vincent and the Grenadines /	700,875.00	Provided	ODA	Grant	Mitigation	Other (other)



Tajikistan /	7,468,868.00		Provided	ODA	Grant	Mitigation	Energy	
United Republic of Tanzania /	96,042,842.81		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Thailand /	331,324.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Togo /	955,864.79		Provided	ODA	Grant	Mitigation	Cross-cutting	
Uganda /	103,902,820.28		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Ukraine /	1,594,003.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Viet Nam /	1,325,002.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Zambia /	178,612,579.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	

*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 2011 and 2012, where 2014 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> Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

***Custom Footnotes***

Table 7(b)

NOR\_BR1\_v2.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2012<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g,h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>Norwegian krone - NOK</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels	2,984,423,47 3.38							
Afghanistan /	3,929,304.69		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Africa /	25,404,882.0 8		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Albania /	1,800,000.00		Provided	ODA	Grant	Cross-cutting	Energy	
America /	5,769,755.44		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Angola /	1,080,000.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Armenia /	5,867,645.05		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Asia /	42,131,011.6 3		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Azerbaijan /	2,738,286.00		Provided	ODA	Grant	Mitigation	Energy	
Bangladesh /	2,295,195.84		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Belarus /	1,211,000.00		Provided	ODA	Grant	Mitigation	Other (Other)	
Bhutan /	4,643,682.53		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Brazil /	1,186,182,08 1.57		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Burundi /	299,113.00		Provided	ODA	Grant	Adaptation	Other (other)	
Cambodia /	434,317.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Cameroon /	800,000.00		Provided	ODA	Grant	Mitigation	Energy	
Chile /	186,809,477. 00		Provided	ODA	Grant	Mitigation	Energy	

China /	46,595,293.19		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Democratic Republic of the Congo /	14,276,420.58		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Cuba /	12,000,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Ethiopia /	100,638,231.14		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Europe /	2,777,780.00		Provided	ODA	Grant	Cross-cutting	Other (other)	
Georgia /	858,335.00		Provided	ODA	Grant	Mitigation	Energy	
Ghana /	1,500,000.00		Provided	ODA	Grant	Mitigation	Forestry	
Global /	393,070,334.84		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Guatemala /	1,050,000.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Guyana /	2,281,428.59		Provided	ODA	Grant	Mitigation	Forestry	
Haiti /	1,773,057.82		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
India /	106,966,733.36		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Indonesia /	33,102,941.19		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Jordan /	204,000.00		Provided	ODA	Grant	Adaptation	Other (other)	
Kazakhstan /	3,400,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Kenya /	19,606,992.81		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Kosovo /	6,474,000.00		Provided	ODA	Grant	Mitigation	Forestry	
Lao People's Democratic Republic /	591,160.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Liberia /	3,674,305.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Macedonia (Fyrom) /	9,080,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Madagascar /	15,079,915.57		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Malawi /	83,820,680.99		Provided	ODA	Grant	Cross-cutting	Cross-cutting	

Malaysia /	1,200,000.00		Provided	ODA	Grant	Mitigation	Forestry	
Mali /	32,847,799.1 2		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Mozambique /	66,111,204.7 7		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Myanmar /	8,643,925.90		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Namibia /	1,800,000.00		Provided	ODA	Grant	Adaptation	Other (other)	
Nepal /	70,597,934.2 5		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Nicaragua /	11,498,857.3 2		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Niger /	8,437,788.55		Provided	ODA	Grant	Adaptation	Other (other)	
Nigeria /	3,572,033.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
North & Central America /	12,000.00		Provided	ODA	Grant	Cross-cutting	Other (other)	
Democratic People's Republic of Korea /	10,000,000.0 0		Provided	ODA	Grant	Adaptation	Other (other)	
Pakistan /	7,117,674.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Palestine /	864,000.00		Provided	ODA	Grant	Adaptation	Other (other)	
Panama /	8,815,788.00		Provided	ODA	Grant	Mitigation	Energy	
Papua New Guinea /	335,014.19		Provided	ODA	Grant	Mitigation	Other (other)	
Peru /	9,410,362.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Philippines /	- 13,459,120.0 0		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Serbia /	1,766,305.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	

Somalia /	-145,580.00		Provided	ODA	Grant	Adaptation	Agriculture	
South Africa /	21,772,887.75		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
South of Sahara /	85,903,908.01		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
South Sudan /	11,941,716.00		Provided	ODA	Grant	Mitigation	Energy	
Sri Lanka /	4,018,155.67		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Sudan /	995,976.58		Provided	ODA	Grant	Adaptation	Agriculture	
Tajikistan /	11,927,627.00		Provided	ODA	Grant	Mitigation	Energy	
United Republic of Tanzania /	117,776,595.33		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Thailand /	745,467.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Togo /	1,321,754.00		Provided	ODA	Grant	Mitigation	Energy	
Uganda /	90,750,127.11		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Ukraine /	860,000.00		Provided	ODA	Grant	Cross-cutting	Other (other)	
Viet Nam /	4,205,781.15		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Zambia /	72,560,129.77		Provided	ODA	Grant	Cross-cutting	Cross-cutting	

*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 2011 and 2012, where 2014 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> Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

**Custom Footnotes**

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Kenya, Bhutan, Liberia, Ethiopia, Maldives, Senegal, Morocco, United Republic of Tanzania, Nepal, Mali, Grenada, Mozambique	Mitigation and Adaptation	Energy+ supports development of low-carbon and energy sector strategies, establish reference levels, and strengthen technical and institutional capacity to support private sector investment in developing countries. In this regard it will support the implementation of policy and legal reforms and the establishment of monitoring and reporting systems, and will promote regulatory regimes that provide incentives for commercial investments.	Other (Renewable energy), Other (Energy efficiency), Other (Energy access)	Public	Private and Public	Implemented	

Table 8

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**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Ethiopia, Liberia, Mozambique, Nepal, United Republic of Tanzania, Timor-Leste, Uganda	Mitigation and Adaptation	The Norwegian Clean Energy for Development Initiative contributes to the international transfer of energy-related technology by supporting investment in infrastructure and production capacity in the energy sector of developing countries. Such investment support is frequently supplemented by institutional and human resource development measures that improve the technological expertise of the recipient country.	Other (Renewable energy), Other (Energy efficiency), Other (Energy access)	Public	Private and Public	Implemented	
Angola, Bolivia, Ghana, Mozambique, Sudan, South Sudan, Timor-Leste, Uganda	Mitigation and Adaptation	The Oil for Development (OfD) programme was launched by the Norwegian Government in 2005, and has a considerable element of technology transfer and capacity-building. The operative goal of the programme is "economically, environmentally and socially responsible management of petroleum resources which safeguards the needs of future generations".	Energy	Public	Private and Public	Implemented	

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Focus on non-Annex 1 countries	Mitigation and Adaptation	Norfund – Renewable Energy. Norfund is the development finance institution that serves as the commercial investment instrument of Norway's development policy. Through investment in profitable companies and the transfer of knowledge and technology, it contributes to reducing poverty and to economic progress in poor countries.	Other (Renewable energy), Other (Energy efficiency), Other (Energy access), Industry, Transport	Private and Public	Private and Public	Implemented	
Focus on non-Annex 1 countries	Mitigation	Norway is one of the contributors to the partnership Energising Development (EnDev). EnDev - is an impact-oriented initiative between the Netherlands, Germany, Norway, Australia, the United Kingdom and Switzerland. EnDev promotes the supply of modern energy technologies to households and small-scale businesses. The Partnership cooperates with 24 countries in Africa, Latin America and Asia. Since its start in 2005, EnDev has taken a leading role in promoting access to sustainable energy for all.	Other (Renewable energy), Other (Energy efficiency), Other (Energy access), Industry	Public	Private and Public	Implemented	



Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Non-Annex I	Mitigation	Norway has been an active supporter of the International Renewable Energy Institute (IRENA) since the early planning stage, and signed the statutes in January 2009. We strive to involve our private sector companies and our technological institutions as much as possible in the endeavour to promote the widespread use of renewable energy. We contribute to the Global Renewable Energy Atlas and Renewable Energy Roadmap, as well as a range of other products and resources IRENA is developing to support developing countries develop their own renewable energy resources and industries.	Other (Renewable energy)	Public	Private and Public	Implemented	

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Both Annex-I and non-Annex-I	Mitigation	The International Centre for Hydropower (ICH) is based in Norway and has members from the hydropower industry as well as Norwegian public institutions. Its aim is promoting hydropower and power market competence in emerging markets and developing countries. Institutional frameworks and capacity building as well as technological transfer are central in ICH's programmes.	Other (Renewable energy), Other (Energy efficiency), Other (Energy access)	Public	Private and Public	Implemented	
Both Annex-I and non-Annex-I	Mitigation	Norway is a member of the Clean Energy Ministerial (CEM). CEM is a high-level global forum to promote policies and programs that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy. Initiatives are based on areas of common interest among participating governments and other stakeholders.	Other (Renewable energy), Other (Energy efficiency), Other (Energy access)	Public	Private and Public	Implemented	The CEM is focused on three global climate and energy policy goals: 1. Improve energy efficiency worldwide, 2. Enhance clean energy supply, 3. Expand clean energy access. Improving policies and enhanced deployment of clean energy technologies is the main objective.

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Non Annex-I	Mitigation and Adaptation	The Climate Technology Initiative (CTI) is a multilateral cooperative activity that supports implementation of the UNFCCC by fostering international cooperation for accelerated development and diffusion of climate-friendly technologies and practices. CTI was originally established at the first Conference of the Parties to the UNFCCC in 1995. Since July 2003, CTI has been operating under an implementing agreement of the International Energy Agency.	Other (Renewable energy), Other (Energy efficiency), Other (Energy access)	Private and Public	Private and Public	Implemented	Through a variety of capacity-building activities, CTI has promoted technology transfer to and among developing and transition countries. In addition to their current and future environmental benefits, these efforts are promoting near- and long-term global economic and social stability.

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Botswana, South Africa, China, Kosovo, Indonesia, Egypt, Jordan, Maghreb, Mexico	Mitigation	The World Bank CCS Capacity Building Trust Fund for developing countries: In 2009, Norway was the largest donor to the establishment of the World Bank CCS Capacity Building Trust Fund. The Fund's purpose is to strengthen the opportunities of developing countries to promote economic growth with low CO2 emissions through technology cooperation that promotes the use of CO2 capture and storage technologies in industry and the energy sector.	Energy, Industry	Public	Private and Public	Implemented	The support of NOK 53 million (primarily development assistance funds), will help to strengthen technology cooperation between industrialised countries and developing countries.
All	Mitigation	The Global Carbon Capture and Storage Institute: The Global Carbon Capture and Storage Institute (GCCSI) was established at the initiative of the Australian authorities. The aim of the institute is to contribute to a more rapid international dissemination of CO2 capture and storage technologies. The Norwegian Ministry of Petroleum and Energy is a member of the institute.	Energy, Industry	Private and Public	Private and Public	Implemented	

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
All	Mitigation	The technology centre for CO2 capture at Mongstad: The CO2 Technology Centre Mongstad initiated the technology center to create an arena for targeted development, testing and qualification of CO2 capture technologies. International dissemination of the center's experiences and results is important so as to reduce the costs and risks associated with large-scale CO2 capture.	Energy, Industry	Private and Public	Private and Public	Implemented	
Non Annex I	Mitigation	The Renewable Energy and Energy Efficiency Partnership (REEEP) is a market catalyst for clean energy in developing countries and emerging markets. In this role, it acts as a funder, information provider and connector for up-scaling clean energy business models.	Other (Renewable energy), Other (Energy efficiency)	Public	Private and Public	Implemented	Norway has been the 2nd largest donor to the Renewable Energy and Energy Efficiency Partnership (REEEP) since 2006, and has supported with a total of NOK 61,5 million. REEEP has supported 185 projects in 65 different countries.

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Non Annex I	Mitigation	GEEREF is an innovative fund that aims to mobilise private sector finance. By providing new risk-sharing and contributing to co-financing options, GEEREF plays a role in increasing the uptake of renewables and energy efficiency in developing countries. The approach is demand-driven in markets that need more risk capital to evolve. GEEREF's support to regional sub-funds tailored to regional needs and conditions stimulates these markets.	Other (Renewable energy), Other (Energy efficiency)	Public	Private and Public	Implemented	Norway participated in the establishment of the Global Energy Efficiency and Renewable Energy Fund (GEEREF) in 2008 together with the European Commission and Germany. We have supported GEEREF over a period of four years with totally NOK 110 million.

<sup>a</sup> To be reported to the extent possible.

<sup>b</sup> The tables should include measures and activities since the last national communication or biennial report.

<sup>c</sup> Parties may report sectoral disaggregation, as appropriate.

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

**Custom Footnotes**

**Provision of capacity-building support<sup>a</sup>**

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project<sup>b,c</sup></i>
Both Annex-I and non-Annex-I	Multiple Areas	The Clean Energy Ministerial (CEM)	<p>CEM is a high-level global forum to promote policies and programs that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy. Initiatives are based on areas of common interest among participating governments and other stakeholders.</p> <p>The CEM is focused on three global climate and energy policy goals:</p> <ul style="list-style-type: none"> <li>•Improve energy efficiency worldwide</li> <li>•Enhance clean energy supply</li> <li>•Expand clean energy access</li> </ul> <p>Improving policies and enhanced deployment of clean energy technologies is the main objective.</p>
	Multiple Areas	Global Framework for Climate Services – WMO	<p>The GFCS is a global partnership of governments and organizations that produce and use climate information and services. It seeks to enable researchers and the producers and users of information to join forces to improve the quality and quantity of climate services worldwide, particularly in developing countries. Norway has provided NOK 60 million for the period 2011-2014 for the GFCS secretariat and for activities strengthening weather and climate services in Africa. Furthermore, NOK 60 million is provided for the period 2013-2015 for strengthening the production of user friendly climate services in Africa, mainly Tanzania and Malawi.</p>
Various REDD+ partner countries	Mitigation	Forest Carbon Partnership Facility (FCPF)	<p>The Forest Carbon Partnership Facility is a global partnership of governments, businesses, civil society and indigenous peoples established to provide financial and technical assistance to countries seeking to build their capacity to effectively implement REDD+. In 2012, Norway disbursed approximately USD 150 million for this purpose.</p>
Developing country partners	Mitigation	Partnership for Market Readiness	<p>Norway is one of the contributing participants in the World Bank Partnership for Market Readiness (PMR). The PMR brings together most of the world's major market players, and consists of 28 developing and developed countries and the European Commission. The PMR is made up of Contributing Participants who provide financial support to the PMR trust fund and Implementing Country Participants who receive PMR funding. Together, the participants have created a global platform for discussions on new market instruments and how best to create and build market solutions for GHG mitigation.</p>
Various REDD+ partner countries	Mitigation	The Forest Investment Program (FIP)	<p>The Forest Investment Program (FIP) under the CIF provides financing at scale to a limited number of pilot countries to support the implementation of their national REDD+ strategies. Over time, the intention is to help countries access larger and more sustainable results-based REDD+ payments.</p>
Angola, Bolivia, Ghana, Mozambique, Sudan, South Sudan, Timor-Leste, Uganda	Multiple Areas	The Norwegian Oil for development Programme	<p>The Oil for Development (OfD) programme was launched by the Norwegian Government in 2005, and has a considerable element of technology transfer and capacity-building. The operative goal of the programme is "economically, environmentally and socially responsible management of petroleum resources which safeguards the needs of future generations".</p>
Turkey, Georgia, Ghana, Angola, Mozambique	Mitigation	INTPOW (Norwegian Renewable Energy Partners)	<p>INTPOW is a public-private partnership between three Government Ministries and Norwegian renewable energy companies. The aim is to promote Norwegian renewable energy competence in international markets. Intpow has held capacity building activities in several countries.</p>

**Provision of capacity-building support<sup>a</sup>**

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project<sup>b,c</sup></i>
Both Annex-I and non-Annex-I	Multiple Areas	The International Centre for Hydropower (ICH)	The International Centre for Hydropower (ICH) is based in Norway and has members from the hydropower industry as well as Norwegian public institutions. Its aim is promoting hydropower and power market competence in emerging markets and developing countries. Institutional frameworks and capacity building as well as technological transfer are central in ICH's programmes.
Both Annex-I and non-Annex-I	Multiple Areas	The Carbon Sequestration Leadership Forum	The Carbon Sequestration Leadership Forum (CSLF) has 23 member states including China, India, South Africa, Mexico, The Republic of Korea, Brazil, Saudi Arabia, and United Arab Emirates; and is today one of the most important arenas for promoting CO2 capture and storage. The CLSF has a policy group and a technical group.  The CSLF has established a capacity building Fund. Norway has contributed with NOK 5 million to this Fund.
Ethiopia, Liberia, Mozambique, Nepal, United Republic of Tanzania, Timor-Leste, Uganda	Multiple Areas	The Norwegian Clean Energy for Development Initiative	The Norwegian Clean Energy for Development Initiative contributes to the international transfer of energy-related technology by supporting investment in infrastructure and production capacity in the energy sector of developing countries. Such investment support is frequently supplemented by institutional and human resource development measures that improve the technological expertise of the recipient country.
Kenya, Bhutan, Liberia, Ethiopia, Maldives, Senegal, Morocco, United Republic of Tanzania, Nepal, Mali, Grenada, Mozambique	Multiple Areas	Energy+	Energy+ will support development of low-carbon and energy sector strategies, establish reference levels, and strengthen technical and institutional capacity to support private sector investment in developing countries. In this regard it will support the implementation of policy and legal reforms and the establishment of monitoring and reporting systems, and will promote regulatory regimes that provide incentives for commercial investments.
Botswana, South Africa, China, Kosovo, Indonesia, Egypt, Jordan, Maghreb, Mexico	Multiple Areas	World Bank Trust Fund on Capacity Building on Carbon Capture and Storage in Developing Countries.	Norway initiated in 2009 the establishment of the World Bank Trust Fund on Capacity Building on Carbon Capture and Storage in Developing Countries. Since then Norway has contributed with NOK 68 million and has been the greatest financial contributors during the first four years. The trust fund has undertaken capacity building activities in about 10 countries.
Various REDD+ partner countries	Mitigation	The UN-REDD Programme	The UN-REDD Programme is a collaborative partnership bringing together the expertise of the UN Food and Agricultural Organization (FAO), the UN Development Program (UNDP) and the UN Environment Program (UNEP). The Programme has 35 member countries. Through its global activities UN-REDD contributes to the development of methodology and building of capacity within areas such as REDD+ governance, MRV, biodiversity and green economic development. In 2012, Norway contributed USD 32.8 million to the UN-REDD Programme

<sup>a</sup> To be reported to the extent possible.

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

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

**Custom Footnotes**