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Accompanying the document

Report from the Commission

**Second Biennial Report of the European Union Under the UN Framework Convention
on Climate Change**

**(required under Article 18(1) of Regulation (EU) No 525/2013 of the European
Parliament and of the Council of 21 May 2013 on a mechanism for monitoring and
reporting greenhouse gas emissions and for reporting other information at national and
Union level relevant to climate change and repealing Decision No 280/2004/EC and
Decision 2/CP.17 of the Conference of Parties of the UNFCCC)**

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In accordance with Decision 19/CP.18, these tables shall be submitted to the UNFCCC through an electronic reporting application for a common tabular format (the CTF portal)

1. CTF Table 1: Emission trends

This table is based on the latest currently available inventory (EU inventory submission for EU-28 of 25 November 2015¹)

Table 1 consists of five parts.

Table 1 - Emission trends (Summary)

GREENHOUSE GAS EMISSIONS	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
																										(%)
CO ₂ equivalent (kt)																										
CO ₂ emissions without net CO ₂ from LULUCF	4,460,311.45	4,460,311.45	4,397,135.15	4,250,192.29	4,171,156.45	4,153,081.60	4,201,309.60	4,299,411.21	4,211,872.64	4,204,211.20	4,135,436.26	4,161,878.17	4,229,157.66	4,207,007.54	4,304,228.30	4,312,063.90	4,286,470.06	4,296,166.77	4,242,009.77	4,148,173.42	3,813,183.92	3,933,902.96	3,787,834.12	3,727,928.75	3,649,699.23	-18.17
CO ₂ emissions with net CO ₂ from LULUCF	4,185,099.72	4,185,099.72	4,094,840.95	3,985,352.22	3,900,594.60	3,869,503.40	3,903,245.22	3,971,510.60	3,885,767.22	3,861,951.94	3,781,979.72	3,835,749.39	3,885,717.27	3,896,627.28	4,005,888.97	3,977,297.69	3,952,270.66	3,929,117.94	3,927,678.75	3,797,373.16	3,468,971.63	3,606,760.50	3,459,050.20	3,401,994.47	3,319,556.17	-20.68
CH ₄ emissions without CH ₄ from LULUCF	743,539.30	743,539.30	722,610.63	701,024.79	691,749.85	674,436.93	673,176.62	669,264.68	655,241.70	638,203.08	627,373.73	613,194.52	601,462.03	589,362.01	578,159.96	559,179.48	546,575.30	535,653.50	524,401.54	513,360.70	498,003.69	488,680.86	479,747.34	474,157.31	462,664.07	-37.78
CH ₄ emissions with CH ₄ from LULUCF	750,849.11	750,849.11	728,979.68	707,300.43	698,856.08	683,732.96	681,799.46	677,108.91	663,002.05	646,007.74	633,957.80	620,563.52	607,884.58	595,259.07	585,281.61	565,059.74	552,762.43	541,756.37	531,792.46	518,842.37	503,542.87	494,485.43	485,577.10	480,420.36	467,804.38	-37.70
N ₂ O emissions without N ₂ O from LULUCF	405,082.48	405,082.48	385,672.08	370,990.28	360,491.12	363,255.69	365,734.95	372,518.43	369,437.96	347,025.43	326,905.96	325,229.74	322,078.49	310,639.51	308,573.51	312,204.66	303,723.73	293,579.66	293,105.60	281,359.42	266,592.44	257,197.37	252,908.82	249,535.42	250,500.04	-38.16
N ₂ O emissions with N ₂ O from LULUCF	413,403.61	413,403.61	392,952.86	378,414.87	367,896.73	370,782.46	373,071.87	380,080.43	376,942.96	354,542.43	334,374.16	332,800.22	329,486.42	318,055.60	316,163.69	319,498.61	311,225.57	300,972.51	300,630.05	289,619.57	273,835.51	264,522.17	260,268.80	256,877.57	257,557.94	-37.70
HFCs	29,327.74	29,327.74	29,354.92	31,774.68	34,846.18	39,710.43	44,411.00	51,601.61	59,361.07	60,170.87	51,469.80	52,588.39	51,731.89	55,583.30	62,414.59	65,259.75	70,987.91	74,557.33	80,498.47	85,741.26	89,987.13	95,512.13	98,928.13	100,839.13	103,561.00	253.12
PFCs	25,224.24	25,224.24	22,890.72	18,729.58	17,784.03	17,124.57	16,711.40	16,060.73	14,880.72	14,073.47	13,686.46	11,723.80	10,500.66	12,225.44	10,100.48	8,543.60	7,146.80	6,363.82	5,887.47	5,048.75	3,286.73	3,813.13	4,194.05	3,659.20	3,829.99	-84.82
Unspecified mix of HFCs and PFCs	5,703.88	5,703.88	5,232.46	5,213.58	5,203.09	5,474.99	5,756.95	4,304.66	4,188.35	4,087.11	3,924.30	2,053.87	1,770.41	1,847.12	995.25	855.83	883.44	725.89	544.70	784.18	1,094.30	357.74	165.32	174.27	-96.94	
SF ₆	10,937.37	10,937.37	11,391.99	12,215.08	12,891.92	14,061.97	15,138.62	15,020.10	13,542.37	12,797.41	10,479.87	10,469.79	9,669.01	8,520.81	8,040.01	8,062.33	7,871.35	7,362.07	7,041.72	6,631.87	6,295.20	6,376.96	6,239.63	6,315.83	6,277.87	-42.60
NF ₃	23.78	23.78	25.49	27.37	29.45	32.49	43.48	69.42	103.42	116.82	60.79	115.81	82.37	133.94	146.82	132.43	155.97	141.02	163.04	149.15	77.37	119.45	127.22	93.13	69.18	190.97
Total (without LULUCF)	5,680,150.24	5,680,150.24	5,574,313.44	5,390,167.64	5,294,152.08	5,267,178.66	5,322,282.62	5,428,250.84	5,328,628.23	5,280,685.39	5,169,337.17	5,177,254.10	5,226,452.52	5,185,319.67	5,272,658.91	5,266,301.97	5,223,814.56	5,214,550.07	5,153,652.30	5,041,248.76	4,678,520.77	4,785,960.60	4,630,144.63	4,562,703.69	4,476,775.64	-21.19
Total (with LULUCF)	5,420,569.46	5,420,569.46	5,285,669.08	5,139,027.81	5,038,102.08	5,000,423.27	5,040,178.00	5,115,756.46	5,017,788.15	4,953,747.79	4,829,932.89	4,866,064.79	4,896,842.62	4,888,252.56	4,989,031.42	4,944,709.96	4,903,304.13	4,860,996.97	4,854,236.66	4,704,190.31	4,347,090.73	4,471,947.50	4,314,550.44	4,250,374.61	4,158,830.79	-23.28
Total (without LULUCF, with indirect)	5,688,891.54	5,688,891.54	5,582,863.39	5,398,479.52	5,302,248.39	5,275,033.41	5,329,725.73	5,435,736.37	5,336,005.23	5,287,657.65	5,177,153.81	5,183,598.32	5,232,616.34	5,191,146.20	5,278,556.01	5,271,999.88	5,229,333.78	5,219,988.69	5,158,920.21	5,046,320.33	4,683,092.45	4,790,542.24	4,634,676.75	4,567,018.63	4,481,328.25	-21.23
Total (with LULUCF, with indirect)	5,429,310.76	5,429,310.76	5,294,219.03	5,147,339.69	5,046,198.39	5,008,278.02	5,047,621.10	5,123,241.98	5,025,165.16	4,960,720.05	4,837,749.54	4,872,409.01	4,903,006.44	4,894,079.09	4,994,928.51	4,950,407.87	4,908,823.35	4,866,435.59	4,859,504.56	4,709,261.89	4,351,662.41	4,476,529.14	4,319,082.56	4,254,689.55	4,163,383.40	-23.32

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
																										(%)
1. Energy	4,356,201.68	4,356,201.68	4,311,209.39	4,171,933.75	4,097,459.60	4,049,513.13	4,087,627.98	4,191,684.65	4,091,690.60	4,074,948.80	4,009,462.96	4,017,863.09	4,093,254.68	4,066,461.60	4,150,468.29	4,141,603.70	4,114,609.51	4,115,216.85	4,050,071.64	3,975,545.43	3,696,061.63	3,798,118.91	3,650,153.24	3,604,017.01	3,524,113.34	-19.10
2. Industrial processes and product use	510,618.38	510,618.38	476,151.32	455,641.41	447,916.22	475,389.91	491,112.42	491,100.19	496,751.45	472,599.10	432,017.84	443,219.46	427,701.38	424,013.69	437,885.74	451,389.71	448,877.78	445,544.29	455,698.07	429,420.91	360,317.08	376,116.78	373,717.75	360,416.95	360,225.89	-29.45
3. Agriculture	569,201.34	569,201.34	539,385.07	515,432.62	501,435.95	494,876.47	495,091.13	497,497.48	494,957.00	490,544.84	489,934.90	481,023.88	474,215.41	466,889.91	462,859.21	461,261.24	454,818.02	453,882.06	454,335.84	450,593.62	445,264.04	441,567.46	442,028.83	438,891.71	440,675.74	-22.58
4. Land use, land-use change and forestry ⁽⁵⁾	-259,580.78	-259,580.78	-288,644.36	-251,139.83	-256,050.00	-266,755.39	-282,104.62	-312,494.38	-310,840.07	-326,937.60	-339,404.27	-311,189.30	-329,609.90	-297,067.11	-283,627.49	-321,592.01	-320,510.43	-353,553.11	-299,415.65	-337,058.45	-331,430.04	-314,013.10	-315,594.18	-312,329.08	-317,944.85	22.48
5. Waste	244,102.01	244,102.01	247,540.85	247,136.02	247,316.47	247,375.32	248,433.21	247,953.62	245,211.29	242,577.75	237,906.57	235,129.79	231,266.16	227,942.54	221,427.79	212,026.46	205,491.37	199,886.01	193,528.87	185,670.92	176,866.10	170,142.55	164,229.91	159,366.10	151,748.75	-37.83
6. Other	26.82	26.82	26.82	23.84	23.84	23.84	17.88	14.90	17.88	14.90	14.90	17.88	14.90	11.92	17.88	20.86	17.88	20.86	17.88	17.88	11.92	14.90	14.90	11.92	11.92	-55.56
Total (including LULUCF) ⁽⁶⁾	5,420,569.46	5,420,569.46	5,285,669.08	5,139,027.81	5,038,102.08	5,000,423.27	5,040,178.00	5,115,756.46	5,017,788.15	4,953,747.79	4,829,932.89	4,866,064.79	4,896,842.62	4,888,252.56	4,989,031.42	4,944,709.96	4,903,304.13	4,860,996.97	4,854,236.66	4,704,190.31	4,347,090.73	4,471,947.50	4,314,550.44	4,250,374.61	4,158,830.79	-23.28

The base year column refers to 1990 as the EU's base year for the quantified economy-wide emission reduction target as reported in CTF table 2.

¹ http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/8812.php

Table 1 - Emission trends (CO₂)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
	(kt)																									%
1. Energy	4,120,988.96	4,120,988.96	4,087,065.99	3,958,329.89	3,885,625.33	3,850,174.80	3,887,605.42	3,993,876.41	3,901,306.75	3,896,238.73	3,837,136.72	3,852,206.23	3,931,515.20	3,909,529.45	3,996,474.79	3,993,981.27	3,972,413.33	3,978,695.37	3,919,280.74	3,845,510.74	3,572,885.93	3,673,433.19	3,528,096.30	3,481,613.97	3,404,358.27	-17.39
A. Fuel combustion (sectoral approach)	4,091,114.54	4,091,114.54	4,058,791.15	3,929,673.64	3,856,925.02	3,821,956.00	3,857,614.87	3,963,716.51	3,871,377.12	3,896,238.73	3,837,136.72	3,852,206.23	3,931,515.20	3,909,529.45	3,996,474.79	3,993,981.27	3,972,413.33	3,978,695.37	3,919,280.74	3,845,510.74	3,572,885.93	3,673,433.19	3,528,096.30	3,481,613.97	3,404,358.27	-17.45
1. Energy industries	1,649,748.53	1,649,748.53	1,612,468.42	1,573,348.54	1,506,334.04	1,510,686.17	1,512,264.20	1,542,327.03	1,495,324.26	1,512,264.20	1,468,813.08	1,500,694.24	1,540,459.83	1,557,265.06	1,607,840.69	1,593,191.24	1,585,711.21	1,597,207.06	1,604,787.34	1,529,905.81	1,428,643.74	1,405,028.26	1,399,901.01	1,319,106.07	-20.04	
2. Manufacturing industries and construction	856,982.65	856,982.65	809,612.19	771,181.10	727,002.28	728,182.15	743,483.35	730,908.04	724,193.04	691,711.12	670,891.30	679,557.40	654,805.86	637,329.24	647,532.97	643,606.17	633,671.94	629,628.25	630,278.97	601,883.50	504,059.04	538,498.39	522,792.84	504,126.66	496,517.70	-42.06
3. Transport	772,028.91	772,028.91	778,652.95	801,551.99	805,960.19	811,687.98	823,733.42	848,859.86	860,422.16	887,633.99	908,069.86	905,827.67	920,483.63	931,699.91	942,191.04	962,114.48	961,836.26	968,043.38	978,565.50	958,417.83	932,769.62	928,771.55	917,807.88	882,604.89	877,018.29	13.60
4. Other sectors	789,522.97	789,522.97	839,152.23	787,243.94	803,307.53	757,452.45	764,886.37	829,981.87	779,618.87	765,627.47	752,284.84	729,153.25	780,657.64	747,424.62	761,790.44	757,955.74	753,239.41	745,159.58	666,884.87	718,548.77	695,798.97	743,286.45	648,812.41	662,812.53	678,106.20	-14.11
5. Other	22,831.49	22,831.49	18,095.36	16,348.07	14,320.97	13,947.26	13,247.53	11,639.71	11,818.80	11,256.19	10,089.92	9,264.92	8,409.18	8,511.94	9,053.77	9,584.57	9,342.15	9,687.17	8,722.44	8,114.01	7,702.80	7,589.40	6,723.98	6,596.68	-71.11	
B. Fugitive emissions from fuels	29,874.42	29,874.42	28,274.84	28,656.25	28,700.31	28,218.80	29,990.55	30,159.90	29,929.63	27,713.48	26,987.72	27,708.76	26,699.06	27,298.68	28,065.89	27,084.51	28,369.94	29,314.94	29,076.90	28,032.38	26,124.68	26,530.25	26,065.51	25,444.89	27,013.33	-9.58
1. Solid fuels	7,108.60	7,108.60	5,495.03	5,314.61	4,755.42	3,296.26	4,107.72	3,768.89	4,865.91	2,986.09	3,816.05	4,557.34	3,875.45	4,102.24	4,628.23	4,473.25	3,934.67	4,353.20	4,104.68	3,895.21	2,750.83	3,667.98	3,329.23	3,238.11	3,789.14	-46.70
2. Oil and natural gas and other emissions from energy production	22,765.81	22,765.81	22,779.82	23,341.64	23,944.89	24,922.54	25,882.83	26,391.01	25,063.72	24,727.39	23,171.68	23,151.42	22,823.61	23,196.45	23,437.65	22,611.26	24,435.27	24,961.74	24,972.22	24,137.17	23,373.85	22,862.27	22,736.28	22,206.78	23,224.19	2.01
C. CO ₂ transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. Industrial processes	320,333.54	320,333.54	292,892.44	276,298.97	270,822.57	288,197.28	298,605.84	290,524.73	295,849.23	293,885.75	284,581.68	296,435.51	284,820.06	284,150.97	294,353.71	305,240.50	301,351.52	304,789.48	310,148.91	290,369.46	227,988.64	248,615.81	247,270.67	234,274.20	232,992.36	-27.27
A. Mineral industry	144,892.81	144,892.81	132,394.43	128,381.77	122,826.57	130,720.96	135,116.31	131,036.67	133,898.19	136,421.20	136,858.08	139,330.36	136,539.90	136,210.74	137,975.59	143,976.22	143,913.36	147,797.34	153,002.01	142,835.02	114,636.57	116,106.04	116,339.87	109,256.94	105,713.39	-27.04
B. Chemical industry	51,883.75	51,883.75	49,427.25	46,464.32	44,327.69	48,258.58	52,655.33	52,814.32	51,344.57	51,332.51	50,762.33	53,511.45	50,703.00	48,251.89	50,854.42	52,395.31	54,216.05	52,055.48	54,889.51	51,741.88	44,632.45	49,419.20	51,374.85	50,064.74	49,679.76	-4.25
C. Metal industry	108,197.60	108,197.60	96,837.03	86,732.08	88,909.84	95,828.14	97,010.19	92,386.85	96,804.19	92,414.39	83,921.64	90,355.15	84,908.31	86,756.76	92,705.77	95,223.23	90,844.31	92,550.98	89,820.42	83,535.01	57,809.18	70,875.65	68,108.98	64,059.25	66,406.09	-38.63
D. Non-energy products from fuels and solvent use	15,224.52	15,224.52	14,125.37	14,606.11	14,651.99	13,304.86	13,745.43	14,181.73	13,699.63	13,626.97	12,938.59	13,134.93	12,571.13	12,846.22	12,720.05	13,549.60	12,283.45	12,303.63	12,341.90	12,150.27	10,801.65	12,097.84	11,327.00	10,770.57	10,890.22	-28.47
E. Electronic industry																										
F. Product uses as ODS substitutes																										
G. Other product manufacture and use	0.28	0.28	0.33	0.38	0.38	0.41	0.52	0.56	0.51	0.65	0.94	0.80	0.61	0.74	0.93	1.04	1.30	4.06	9.75	16.64	22.07	30.24	34.08	38.24	45.50	16,391.44
H. Other	134.58	134.58	108.02	114.31	106.11	84.33	78.07	104.60	102.15	90.04	100.10	102.83	97.12	84.63	96.96	95.09	93.05	77.99	85.32	90.63	86.73	86.84	85.89	84.47	257.41	91.27
3. Agriculture	13,701.11	13,701.11	11,869.20	10,211.56	9,506.48	9,762.02	10,571.37	10,612.14	10,886.35	10,415.48	10,307.58	9,924.20	9,466.48	9,666.31	9,499.34	9,225.19	8,935.65	8,932.14	8,904.56	8,643.01	8,791.92	8,304.56	9,057.24	8,640.94	8,938.48	-34.76
A. Enteric fermentation																										
B. Manure management																										
C. Rice cultivation																										
D. Agricultural soils																										
E. Prescribed burning of savannas																										
F. Field burning of agricultural residues																										
G. Liming	10,312.97	10,312.97	8,807.67	7,293.81	6,642.86	6,936.79	7,827.76	8,050.93	8,085.92	7,633.83	7,416.04	7,039.64	6,527.48	6,541.46	6,511.08	6,031.15	5,904.62	5,749.57	5,593.53	5,382.11	5,433.12	5,275.14	5,489.33	5,202.45	5,668.11	-45.04
H. Urea application	3,327.00	3,327.00	3,017.54	2,867.96	2,822.00	2,789.82	2,710.17	2,535.97	2,784.28	2,767.96	2,875.56	2,864.02	2,918.39	3,104.56	2,969.65	3,166.19	3,007.69	3,157.14	3,278.85	3,231.35	3,316.64	2,981.69	3,511.14	3,267.04	3,191.17	-4.08
I. Other carbon-containing fertilizers	61.15	61.15	43.99	49.79	41.63	35.41	33.43	25.24	16.16	13.69	15.98	20.54	20.41	18.61	27.85	23.34	25.43	32.18	29.55	42.16	47.74	56.76	71.44	79.20	29.52	
J. Other	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO	IE,NO
4. Land use, land-use change and forestry⁽²⁾	-275,211.73	-275,211.73	-302,294.24	-264,840.07	-270,561.84	-283,578.19	-298,064.38	-327,900.61	-326,105.42	-342,259.26	-353,456.54	-326,128.78	-343,440.39	-310,380.26	-298,339.33	-334,766.22	-334,199.40	-367,048.82	-314,331.02	-350,800.26	-344,212.30	-327,142.46	-328,783.92	-325,934.28	-330,143.06	19.96
A. Forest land	-401,728.48	-401,728.48	-434,970.84	-403,936.49	-411,158.34	-411,480.43	-425,206.13	-448,315.18	-443,712.53	-456,367.89	-469,603.62	-433,716.27	-452,555.12	-417,552.44	-402,651.35	-427,573.42	-426,525.41	-459,261.44	-406,450.17	-459,760.83	-462,656.43	-437,178.51	-446,716.31	-444,987.93	-448,102.19	11.54
B. Cropland	72,496.18	72,496.18	72,068.49	76,732.46	76,625.71	74,945.73	80,430.31	75,568.94	77,977.63	76,530.74	79,254.98	78,239.32	75,100.22	76,638.34	76,028.33	67,947.42	67,901.56	70,078.24	66,329.37	68,997.48	65,380.80	67,722.21	72,761.55	67,777.39	69,134.77	-4.64
C. Grassland	29,901.23	29,901.23	23,779.97	22,245.79	23,912.26	20,221.34	13,860.00	13,492.19	14,537.11	13,827.75	10,188.10	10,187.28	8,815.32	7,487.84	8,479.35	7,842.62	8,292.51	8,209.93	15,394.13	9,228.55	10,562.05	7,900.95	7,554.10	10,844.59	5,327.63	-82.18
D. Wetlands	14,160.27	14,160.27	14,180.85	13,264.39	12,409.74	13,799.22	13,520.03	13,872.39	13,033.73	11,311.15	13,787.55	12,583.61	13,950.27	14,095.14	14,832.48	14,150.45	15,032.22	16,068.11	14,824.93	14,402.28	13,869.17	15,167.51	15,835.59	13,421.77	14,510.23	2.47
E. Settlements	35,262.02	35,262.02	37,873.33	37,023.59	41,277.47	39,117.73	40,648.86	39,044.80	40,406.32	41,021.26	42,836.93	41,773.28	41,543.25	42,385.05	43,286.96	45,236.40	45,804.95	47,206.42	48,492.50	49,781.55	50,358.53	48,407.40	49,304.58	49,423.65	49,715.02	40.99
F. Other land	2,710.82	2,710.82	2,261.40	1,959.30	1,618.27	1,419.10	40.33	-65.56	-102.35	-150.29	-164.11	-243.66	-272.48	-397.00	-442.45	-476.34	-411.44	1,039.91	-781.28	-836.06	-660.70	-423.83	-148.53	218.45	563.30	-79.22
G. Harvested wood products	-28,013.77	-28,013.77																								

Table 1 - Emission trends (CH₄)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change from base to latest reported year	
																										%	
1. Energy		8,129.18	8,129.18	7,699.64	7,288.65	7,207.90	6,680.74	6,656.10	6,510.07	6,197.42	5,716.89	5,497.21	5,297.09	5,139.89	4,960.85	4,821.49	4,559.86	4,374.05	4,146.33	3,920.67	3,905.94	3,702.02	3,735.69	3,644.64	3,666.98	3,555.07	-56.27
A. Fuel combustion (sectoral approach)		1,204.68	1,204.68	1,223.51	1,133.93	1,147.68	1,054.09	1,047.93	1,099.48	1,039.38	977.57	952.58	880.91	875.77	840.71	859.58	867.58	859.83	861.81	861.85	903.80	897.59	974.44	910.76	937.28	973.00	-19.23
1. Energy industries		46.92	46.92	47.83	47.68	49.53	54.23	63.71	70.30	70.70	73.70	74.79	71.95	73.26	75.55	89.18	91.28	94.98	102.57	110.15	116.61	119.74	136.82	139.13	145.08	142.52	203.74
2. Manufacturing industries and construction		58.27	58.27	55.25	53.89	53.47	55.11	58.79	59.77	61.06	61.39	61.26	64.32	64.92	66.35	70.03	74.85	75.60	68.66	71.83	69.77	59.57	65.68	67.06	68.61	72.45	24.33
3. Transport		243.42	243.42	233.04	230.09	221.06	208.46	199.24	193.62	183.15	174.87	165.12	148.62	140.70	130.91	122.03	113.98	104.13	95.65	87.85	80.10	72.56	68.05	62.52	56.87	54.07	-77.79
4. Other sectors		844.07	844.07	877.45	796.47	819.25	733.48	723.79	773.70	722.67	666.08	649.78	594.87	594.28	565.18	575.78	585.07	582.04	592.09	589.60	635.10	643.74	701.86	640.78	665.50	702.88	-16.73
5. Other		11.99	11.99	9.94	5.79	4.37	2.81	2.40	2.09	1.81	1.52	1.64	1.14	2.61	2.72	2.56	2.40	3.07	2.84	2.43	2.21	1.97	2.03	1.27	1.22	1.08	-90.99
B. Fugitive emissions from fuels		6,924.50	6,924.50	6,476.13	6,154.73	6,060.22	5,626.65	5,608.17	5,410.59	5,158.04	4,739.32	4,544.63	4,416.18	4,264.11	4,120.14	3,961.91	3,692.28	3,514.22	3,284.52	3,058.82	3,002.14	2,804.44	2,761.25	2,733.88	2,729.70	2,582.07	-62.71
1. Solid fuels		3,960.40	3,960.40	3,773.65	3,586.99	3,484.96	3,107.50	3,168.07	3,038.16	2,929.77	2,578.69	2,465.96	2,363.55	2,227.39	2,086.14	1,945.65	1,743.12	1,578.95	1,453.27	1,291.88	1,242.03	1,110.78	1,079.67	1,084.32	1,126.77	993.96	-74.90
2. Oil and natural gas and other emissions from energy production		2,964.10	2,964.10	2,702.48	2,567.74	2,575.26	2,519.15	2,440.11	2,372.43	2,228.26	2,160.63	2,078.67	2,052.63	2,036.72	2,034.00	2,016.26	1,949.15	1,935.27	1,831.24	1,766.94	1,760.11	1,693.65	1,681.59	1,649.56	1,602.93	1,588.11	-46.42
C. CO ₂ transport and storage																											
2. Industrial processes		72.32	72.32	69.87	71.46	71.86	77.47	75.70	73.51	74.85	72.94	73.87	76.09	75.91	75.26	80.91	79.77	81.98	82.48	82.55	74.74	66.29	71.95	84.50	86.62	82.63	14.26
A. Mineral industry																											
B. Chemical industry		58.13	58.13	56.98	59.37	59.85	64.45	62.48	61.26	61.93	60.67	62.19	64.15	63.63	63.75	68.79	66.69	67.33	67.08	67.04	61.38	57.11	62.01	58.40	56.84	55.64	-4.29
C. Metal industry		10.33	10.33	9.19	8.42	8.51	9.33	9.42	8.40	9.01	8.47	7.94	8.12	8.50	7.70	8.13	9.14	10.73	11.20	11.21	9.64	5.38	60.29	22.25	25.92	23.14	123.91
D. Non-energy products from fuels and solvent use		0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.12	0.14	0.15	0.13	0.14	0.18	0.16	0.13	0.16	0.17	0.14	0.14	0.13	0.13	0.12	0.11	0.10	0.09	-3.76
E. Electronic industry																											
F. Product uses as ODS substitutes																											
G. Other product manufacture and use		2.27	2.27	2.32	2.38	2.36	2.45	2.55	2.69	2.75	2.66	2.74	2.79	2.71	2.76	2.91	2.85	2.91	2.90	2.96	2.84	3.10	3.16	3.19	3.28	3.28	44.39
H. Other		1.49	1.49	1.27	1.17	1.03	1.12	1.12	1.04	1.02	0.98	0.87	0.90	0.89	0.89	0.94	0.93	0.83	1.16	1.20	0.74	0.56	0.57	0.55	0.47	0.49	-67.14
3. Agriculture		12,359.81	12,359.81	11,813.32	11,373.86	11,067.94	10,884.77	10,802.46	10,811.74	10,652.35	10,566.33	10,535.26	10,283.35	10,132.14	9,982.76	9,942.88	9,808.21	9,767.26	9,783.32	9,817.73	9,715.91	9,663.44	9,533.79	9,484.02	9,431.66	9,398.83	-23.96
A. Enteric fermentation		9,820.36	9,820.36	9,397.58	9,010.13	8,762.62	8,631.79	8,572.94	8,566.76	8,432.14	8,349.27	8,284.72	8,129.15	8,001.96	7,846.13	7,785.64	7,684.45	7,646.38	7,609.33	7,639.44	7,608.96	7,547.05	7,450.23	7,371.04	7,358.25	7,377.03	-24.88
B. Manure management		2,362.81	2,362.81	2,246.34	2,180.20	2,129.67	2,075.61	2,053.23	2,052.33	2,036.03	2,034.79	2,082.89	1,972.97	1,964.05	1,967.31	1,974.42	1,950.32	1,950.79	1,998.37	1,975.37	1,927.79	1,913.62	1,877.62	1,898.22	1,853.54	1,818.24	-23.05
C. Rice cultivation		119.63	119.63	113.19	112.27	115.91	122.98	123.52	130.33	131.37	123.48	117.60	111.66	112.10	115.26	118.32	123.41	119.66	117.21	121.56	115.10	128.83	130.03	130.21	127.50	121.62	1.66
D. Agricultural soils		IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO	IE.NE.NO
E. Prescribed burning of savannas		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues		57.01	57.01	56.19	71.23	59.68	54.34	52.62	62.10	52.52	58.12	49.29	68.35	52.30	51.59	61.58	46.24	40.26	44.38	62.68	42.63	47.25	43.01	44.34	49.47	37.33	-34.53
G. Liming																											
H. Urea application																											
I. Other carbon-containing fertilizers																											
J. Other		0.01	0.01	0.03	0.04	0.05	0.06	0.14	0.24	0.30	0.67	0.77	1.21	1.72	2.48	2.93	3.79	10.16	14.03	18.68	21.43	26.70	32.89	40.21	42.90	44.62	398,015.33
4. Land use, land-use change and forestry		292.39	292.39	254.76	251.03	284.25	371.84	344.91	313.77	310.41	312.19	263.36	294.76	256.90	235.88	284.87	235.21	247.49	244.11	295.64	219.27	221.57	232.18	233.19	250.52	205.61	-29.68
A. Forest land		175.87	175.87	150.21	147.17	167.22	162.77	138.05	127.98	147.30	157.69	133.55	160.75	129.53	126.19	157.07	118.86	139.47	133.83	152.88	104.19	107.55	107.07	103.93	129.77	101.27	-42.42
B. Cropland		32.01	32.01	32.53	32.09	31.72	31.30	31.09	30.81	30.32	30.37	30.01	29.75	29.28	29.16	31.63	29.23	29.37	28.79	29.09	29.09	29.06	29.43	29.13	29.29	29.96	-6.39
C. Grassland		70.40	70.40	59.27	60.31	71.81	65.93	51.80	56.13	59.31	66.61	52.30	63.20	58.21	49.95	62.57	57.40	53.35	54.57	86.06	59.84	61.77	62.40	66.47	69.76	49.86	-29.18
D. Wetlands		10.19	10.19	8.78	7.78	9.92	10.48	12.30	15.44	10.05	8.35	8.24	10.09	14.25	8.55	14.34	12.23	8.70	11.34	12.62	11.44	8.88	19.54	20.17	8.37	11.13	9.19
E. Settlements		2.21	2.21	2.14	2.08	2.02	2.19	2.06	1.95	2.30	2.21	2.89	1.82	1.99	2.18	1.96	2.29	2.61	2.85	3.01	3.28	3.09	2.54	2.72	2.72	2.72	22.94
F. Other land		0.16	0.16	0.30	0.09	0.08	0.13	0.28	0.24	0.07	0.35	0.14	0.35	0.16	0.14	0.32	0.17	0.34	0.09	0.06	0.03	0.16	0.38	0.13	0.08	0.17	6.36
G. Harvested wood products																											
H. Other		1.54	1.54	1.52	1.50	1.48	99.04	109.34	81.22	61.06	46.60	36.23	28.79	23.49	19.70	16.98	15.04	13.65	12.64	11.92	11.41	11.06	10.82	10.65	10.54	10.51	579.99
5. Waste		9,180.26	9,180.26	9,321.59	9,307.02	9,322.30	9,334.50	9,392.80	9,375.27	9,285.05	9,171.96	8,988.61	8,871.26	8,710.55	8,555.61	8,281.11	7,919.34	7,639.73	7,414.02	7,155.11	6,837.83	6,488.39	6,205.80	5,976.74	5,781.03	5,470.03	-40.42
A. Solid waste disposal		7,749.11	7,749.11	7,969.23	8,009.51	8,058.13	8,089.10	8,147.05	8,153.06	8,084.66	7,992.20	7,845.80	7,759.85	7,674.45	7,525.79	7,235.12	6,878.27	6,636.82	6,424.95	6,170.82	5,884.16	5,570.73	5,267.17	5,027.19	4,845.30	4,517.30	-41.71
B. Biological treatment of solid waste		13.09	13.09	14.17	15.98	18.80	23.66	28.52	32.73	36.07	39.61	44.82	50.72	55.69	62.71	66.79	72.22	81.24	84.14	93.08	100.17	104.59	113.04	121.62	133.53	146.83	1,021.45
C. Incineration and open burning of waste		9.10	9.10	9.68	9.35	8.82	7.69	7.21	7.33	4.48	4.57	4.79	4.42	4.25	4.53	4.61	4.84	4.47	4.42	4.31	4.40	4.15	3.93	3.99	3.93	3.84	-57.85
D. Waste water treatment and discharge		1,407.12	1,407.12	1,326.76	1,270.51	1,234.97	1,212.63	1,208.75	1,181.00	1,158.90	1,134.64	1,092.26	1,055.27	975.12	961.49	973.46	962.87	916.09	899.44	885.84	848.02	808.19	821.32	823.58	797.93	801.73	-43.02
E.																											

Table 1 - Emission trends (N₂O)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
	(kt)																									%
1. Energy	107.33	107.33	106.22	105.33	106.16	108.46	112.82	117.64	118.95	120.09	117.10	111.51	111.55	110.44	112.27	112.84	110.22	110.28	109.98	108.68	102.77	105.01	103.83	103.12	103.62	-3.45
A. Fuel combustion (sectoral approach)	106.85	106.85	105.57	104.65	105.53	107.82	112.23	117.01	118.22	119.47	116.16	110.79	110.80	109.76	111.60	112.12	109.57	109.65	109.31	108.14	102.30	104.52	103.43	102.76	103.27	-3.35
1. Energy industries	30.29	30.29	29.81	29.10	27.79	27.80	27.63	28.23	27.07	27.20	26.28	27.09	28.39	28.84	29.95	30.27	30.14	30.86	30.89	30.35	29.15	29.84	29.85	30.37	28.96	-4.39
2. Manufacturing industries and construction	22.72	22.72	21.67	21.03	20.09	19.89	20.47	20.06	20.16	20.19	19.81	19.73	19.96	20.39	20.74	20.82	20.63	20.77	20.60	19.95	16.91	17.46	16.93	16.64	15.83	-30.33
3. Transport	26.10	26.10	26.22	27.71	29.70	32.95	37.01	40.63	43.07	45.19	43.10	37.19	35.51	33.98	33.51	33.47	31.09	31.15	31.84	31.22	29.76	30.15	30.40	30.26	30.58	17.20
4. Other sectors	27.01	27.01	27.16	26.16	27.31	26.56	26.56	27.59	27.40	26.42	26.54	26.39	26.66	26.27	27.01	27.03	27.15	26.37	25.47	26.17	26.00	26.71	25.94	25.20	27.59	2.14
5. Other	0.75	0.75	0.71	0.66	0.65	0.62	0.56	0.50	0.52	0.47	0.43	0.39	0.28	0.29	0.39	0.54	0.55	0.50	0.50	0.45	0.48	0.36	0.32	0.29	0.32	-57.32
B. Fugitive emissions from fuels	0.47	0.47	0.65	0.67	0.63	0.64	0.59	0.63	0.74	0.62	0.94	0.72	0.75	0.68	0.67	0.71	0.65	0.63	0.67	0.54	0.47	0.49	0.39	0.36	0.35	-26.99
1. Solid fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-57.61
2. Oil and natural gas and other emissions from energy production	0.47	0.47	0.65	0.67	0.63	0.64	0.59	0.63	0.74	0.62	0.94	0.72	0.75	0.68	0.67	0.71	0.65	0.63	0.67	0.54	0.47	0.49	0.39	0.36	0.35	-26.97
C. CO ₂ transport and storage																										
2. Industrial processes	393.49	393.49	377.91	367.77	350.81	365.27	364.27	374.77	358.91	287.40	221.37	227.95	225.60	200.24	200.71	205.71	196.08	166.25	165.60	130.29	100.44	65.51	49.26	43.27	37.77	-90.40
A. Mineral industry																										
B. Chemical industry	375.76	375.76	360.40	350.15	333.20	347.96	346.86	357.10	341.60	270.07	204.60	211.66	209.74	185.31	186.55	192.08	182.49	152.39	152.18	117.35	88.04	53.57	37.73	32.03	26.90	-92.84
C. Metal industry	0.21	0.21	0.20	0.20	0.21	0.21	0.22	0.21	0.22	0.21	0.22	0.20	0.20	0.17	0.20	0.20	0.19	0.18	0.19	0.16	0.12	0.11	0.10	0.12	0.15	-27.58
D. Non-energy products from fuels and solvent use	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-17.28
E. Electronic industry																										
F. Product uses as ODS substitutes																										
G. Other product manufacture and use	17.30	17.30	17.07	17.18	17.16	16.85	16.95	17.21	16.83	16.86	16.29	15.81	15.39	14.47	13.67	13.14	13.10	13.40	12.95	12.50	12.01	11.56	11.16	10.84	10.43	-39.68
H. Other	0.21	0.21	0.23	0.23	0.23	0.23	0.23	0.23	0.25	0.24	0.24	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.27	0.26	0.27	0.26	0.27	0.27	26.64
3. Agriculture	827.20	827.20	779.14	741.19	722.25	714.75	719.66	726.82	730.74	724.74	725.66	718.17	709.55	696.83	687.21	694.06	676.85	672.37	671.10	667.96	653.98	654.09	657.29	652.55	660.29	-20.18
A. Enteric fermentation																										
B. Manure management	106.26	106.26	101.66	96.97	93.47	90.40	89.74	89.21	90.74	87.49	86.32	83.89	83.98	82.94	82.13	81.00	80.45	79.38	79.85	78.61	77.33	76.58	75.58	74.17	73.91	-30.44
C. Rice cultivation																										
D. Agricultural soils	719.43	719.43	676.04	642.29	627.20	622.92	628.52	635.92	638.67	635.68	638.00	632.44	624.25	612.50	603.50	611.86	595.10	591.53	589.13	587.78	574.89	575.80	579.87	576.36	584.71	-18.73
E. Prescribed burning of savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field burning of agricultural residues	1.51	1.51	1.44	1.93	1.59	1.43	1.39	1.68	1.33	1.55	1.31	1.81	1.25	1.31	1.49	1.08	0.99	1.05	1.60	1.01	1.10	0.95	0.98	1.28	0.91	-39.94
G. Liming																										
H. Urea application																										
I. Other carbon containing fertilizers																										
J. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.06	0.08	0.09	0.12	0.31	0.41	0.52	0.56	0.66	0.76	0.86	0.74	0.77	195.950.10
4. Land use, land-use change and forestry	27.92	27.92	24.43	24.91	24.85	25.26	24.62	25.38	25.18	25.22	25.06	25.40	24.86	24.89	25.47	24.48	25.17	24.81	25.25	27.72	24.31	24.58	24.70	24.64	23.68	-15.18
A. Forest land	12.55	12.55	12.31	12.40	12.26	12.40	12.34	13.03	12.33	12.49	12.32	12.76	12.35	12.49	12.92	12.29	12.61	12.48	12.44	12.30	12.36	12.49	12.56	12.66	12.43	-0.97
B. Cropland	9.16	9.16	6.25	6.63	6.21	6.59	6.36	6.23	6.44	6.19	6.59	6.11	6.05	6.16	5.77	5.64	6.14	5.79	5.41	8.67	5.12	5.16	4.95	4.76	4.74	-48.21
C. Grassland	1.71	1.71	1.38	1.41	1.81	1.65	1.19	1.25	1.45	1.70	1.23	1.46	1.19	1.01	1.30	1.05	0.93	0.89	1.68	0.92	1.03	0.81	1.06	1.31	0.49	-71.36
D. Wetlands	0.53	0.53	0.50	0.48	0.53	0.55	0.61	0.69	0.75	0.55	0.56	0.61	0.72	0.59	0.73	0.69	0.61	0.68	0.71	0.70	0.64	0.90	0.92	0.64	0.71	33.18
E. Settlements	3.17	3.17	3.21	3.24	3.29	3.32	3.37	3.43	3.49	3.54	3.61	3.69	3.79	3.88	3.98	4.03	4.10	4.12	4.15	4.21	4.21	4.25	4.25	4.29	4.32	36.17
F. Other land	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.04	0.05	0.06	0.07	0.09	0.09	0.11	0.12	0.13	0.14	0.19	0.19	0.24	0.24	0.25	0.25	0.25	0.25	6,492.96
G. Harvested wood products																										
H. Other	0.36	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.31	0.30	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.32	0.32	0.33	0.34	-4.54
5. Waste	31.23	31.23	30.85	30.57	30.39	30.42	30.49	30.79	31.06	32.24	32.82	33.68	34.05	34.87	35.23	34.99	36.00	36.19	36.83	37.16	37.38	38.42	38.26	38.39	38.89	24.50
A. Solid waste disposal																										
B. Biological treatment of solid waste	1.06	1.06	1.11	1.23	1.41	1.77	2.10	2.35	2.73	3.12	3.72	4.31	4.84	5.66	6.05	5.93	6.72	7.10	7.70	8.19	8.55	9.25	9.46	9.82	10.21	863.63
C. Incineration and open burning of waste	0.71	0.71	0.72	0.73	0.72	0.71	0.66																			

Table 1 - Emission trends (HFCs, PFCs and SF6)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change from base to latest reported year
	(kt)																								%	
Emissions of HFCs and PFCs - (kt CO ₂ equivalent)	60,255.87	60,255.87	57,478.10	55,717.84	57,833.31	62,309.99	66,879.36	71,967.00	78,430.13	78,331.45	69,080.56	66,366.06	64,002.96	69,655.85	73,510.32	74,659.17	79,018.15	81,647.05	86,930.65	91,574.19	94,368.16	99,683.00	103,287.50	104,673.25	107,565.26	78.51
Emissions of HFCs - (kt CO ₂ equivalent)	29,327.74	29,327.74	29,354.92	31,774.68	34,846.18	39,710.43	44,411.00	51,601.61	59,361.07	60,170.87	51,469.80	52,588.39	51,731.89	55,583.30	62,414.59	65,259.75	70,987.91	74,557.33	80,498.47	85,741.26	89,987.13	95,512.13	98,928.13	100,839.13	103,561.00	253.12
HFC-23	1.81	1.81	1.81	1.95	2.06	2.26	2.41	2.60	2.78	2.54	1.70	1.35	0.83	0.67	0.65	0.44	0.40	0.24	0.20	0.21	0.18	0.23	0.16	0.14	0.14	-92.26
HFC-32	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.09	0.14	0.20	0.29	0.38	0.52	0.72	0.88	1.10	1.37	1.65	1.84	2.12	2.41	2.66	2.98	57,492.62
HFC-41	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-43-10mee	NO	NO	NO	NO	0.01	0.01	0.02	0.04	0.04	0.04	0.06	0.10	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.11	0.10	0.09	0.07	0.05	NO
HFC-125	0.03	0.03	0.03	0.03	0.05	0.10	0.20	0.31	0.50	0.70	1.01	1.41	1.88	2.31	2.88	3.42	3.95	4.56	5.15	5.66	6.21	6.98	7.55	7.95	8.42	30,703.32
HFC-134	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.01	NO
HFC-134a	0.05	0.05	0.07	0.64	2.79	3.72	4.84	6.92	9.02	10.93	12.02	13.72	16.02	17.62	19.42	20.49	22.28	23.55	25.03	26.32	27.15	27.21	27.79	27.72	27.91	52,453.91
HFC-143	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-143a	0.52	0.52	0.54	0.42	0.04	0.09	0.15	0.29	0.43	0.64	0.90	1.39	1.76	2.16	2.65	3.01	3.44	3.81	4.21	4.59	4.95	5.34	5.61	5.76	5.92	1,033.45
HFC-152	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-152a	0.00	0.00	0.00	0.01	0.14	0.16	0.91	1.03	1.16	1.17	1.29	1.87	2.96	4.00	4.21	3.89	3.26	3.58	3.79	3.60	3.83	3.92	3.72	3.58	3.66	3,304,003.84
HFC-161	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-227ea	C.NO	C.NO	C.NO	C.NO	0.00	0.00	0.00	0.01	0.02	0.04	0.06	0.11	0.14	0.19	0.23	0.27	0.28	0.30	0.33	0.34	0.36	0.38	0.41	0.43	0.44	NO
HFC-236cb	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236ea	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
HFC-236fa	NO	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
HFC-245ca	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-245fa	NO	NO	NO	NO	NO	NO	0.00	0.00	0.00	0.00	0.00	0.11	0.29	0.60	0.67	1.02	0.99	1.05	1.09	0.80	0.62	0.66	0.68	0.71	0.70	
HFC-365mfc	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	0.02	0.07	0.16	0.25	0.66	0.73	0.73	0.75	0.69	0.65	0.66	0.66	0.64	0.61	NO
Unspecified mix of HFCs ⁽⁴⁾ - (kt CO ₂ equivalent)	2.45	2.45	3.90	5.63	28.77	132.12	218.78	549.94	1,358.10	1,244.62	1,067.06	849.14	529.64	325.59	295.63	333.02	279.77	313.01	387.67	423.47	384.86	350.06	469.47	411.26	343.66	13,938.86
Emissions of PFCs - (kt CO ₂ equivalent)	25,224.24	25,224.24	22,890.72	18,729.58	17,784.03	17,124.57	16,711.40	16,060.73	14,880.72	14,073.47	13,686.46	11,723.80	10,500.66	12,225.44	10,100.48	8,543.60	7,146.80	6,363.82	5,887.47	5,048.75	3,286.73	3,813.13	4,194.05	3,659.20	3,829.99	-84.82
CF ₄	2.42	2.42	2.17	1.70	1.56	1.46	1.48	1.42	1.35	1.32	1.28	1.04	0.93	1.12	0.92	0.76	0.62	0.54	0.50	0.43	0.25	0.31	0.35	0.28	0.30	-87.65
C ₂ F ₆	0.47	0.47	0.43	0.38	0.38	0.37	0.29	0.29	0.27	0.25	0.25	0.23	0.20	0.25	0.18	0.13	0.10	0.09	0.07	0.06	0.04	0.04	0.04	0.03	0.03	-93.51
C ₃ F ₈	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.01	0.01	0.02	0.02	0.02	-34.41
C ₄ F ₁₀	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.02	0.03	0.03	-3.60
o-C ₃ F ₆	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-80.21
C ₂ F ₁₂	0.04	0.04	0.04	0.05	0.04	0.06	0.06	0.06	0.02	0.03	0.02	0.03	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-99.99
C ₃ F ₁₄	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.00	0.01	0.02	-33.64
C ₁₀ F ₁₈	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO	C.NO
o-C ₃ F ₆	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unspecified mix of PFCs ⁽⁴⁾ - (kt CO ₂ equivalent)	300.42	300.42	314.36	328.87	391.20	382.87	541.74	466.13	421.92	385.79	450.62	488.17	506.85	458.19	575.58	630.81	705.45	708.20	802.77	756.76	614.04	683.24	709.15	728.16	648.24	115.78
Unspecified mix of HFCs and PFCs - (kt CO ₂ equivalent)	5,703.88	5,703.88	5,232.46	5,213.58	5,203.09	5,474.99	5,756.95	4,304.66	4,188.35	4,087.11	3,924.30	2,053.87	1,770.41	1,847.12	995.25	855.83	883.44	725.89	544.70	784.18	1,094.30	357.74	165.32	174.92	174.27	-96.94
Emissions of SF ₆ - (kt CO ₂ equivalent)	10,937.37	10,937.37	11,391.99	12,215.08	12,891.92	14,061.97	15,138.62	15,020.10	13,542.37	12,797.41	10,479.87	10,469.79	9,669.01	8,520.81	8,040.01	8,062.33	7,871.35	7,362.07	7,041.72	6,631.87	6,295.20	6,376.96	6,239.63	6,315.83	6,277.87	-42.60
SF ₆	0.48	0.48	0.50	0.54	0.57	0.62	0.66	0.66	0.59	0.56	0.46	0.46	0.42	0.37	0.35	0.35	0.35	0.32	0.31	0.29	0.28	0.28	0.27	0.28	0.28	-42.60
Emissions of NF ₃ - (kt CO ₂ equivalent)	23.78	23.78	25.49	27.37	29.45	32.49	43.48	69.42	103.42	116.82	60.79	115.81	82.37	133.94	146.82	132.43	155.97	141.02	163.04	149.15	77.37	119.45	127.22	93.13	69.18	190.97
NF ₃	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.00	190.97

The base year column refers to 1990 as the EU's base year for the quantified economy-wide emission reduction target as reported in CTF table 2.

2. CTF table 2: Description of quantified economy-wide emission reduction target

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

Gases and sectors covered. GWP values.				
Gases covered	Covered	Base Year	GWP ^b reference source	Comments
CO ₂	Yes	1990	IPCC AR4	as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation
CH ₄	Yes	1990	IPCC AR4	as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation
N ₂ O	Yes	1990	IPCC AR4	as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation
HFCs	Yes	1990	IPCC AR4	as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation

Gases and sectors covered. GWP values.				
Gases covered	Covered	Base Year	GWP ^b reference source	Comments
PFCs	Yes	1990	IPCC AR4	as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation
SF ₆	Yes	1990	IPCC AR4	as adopted in UNFCCC reporting guidelines for national GHG inventories of Annex I Parties and as adopted under the EU Monitoring Mechanism Regulation
NF ₃	NO		IPCC AR4	

Sectors covered	Covered	Comment:
Energy	Yes	
Transport ^c	Yes	
Industrial processes ^d	Yes	
Agriculture	Yes	
LULUCF	No	
Waste	Yes	
Other sectors (specify)		
Aviation in the scope of the EU-ETS		In principle, the EU ETS should cover CO ₂ emissions of all flights arriving at, and departing from, airports in all EU Member States, Norway, Iceland and Liechtenstein and closely related territories. However, since 2012, flights to and from aerodromes from other countries have not been included in the EU ETS. This exclusion was taken in order to facilitate negotiation of a global agreement to address aviation emissions in the forum of the International Civil Aviation Organisation (ICAO). The EU has decided on a reduced scope in the 2013–2016 period (Regulation (EU) No 421/2014 of the European Parliament and of the Council of 16 April 2014)

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

Possible scale of contributions of market-based mechanisms		Comment:
Possible scale of contributions of market-based mechanisms under the convention		The 2020 Climate and Energy Package allows Certified Emission Reductions (CERs) and Emission Reduction Units (ERUs) to be used for compliance purposes, subject to a number of restrictions in terms of origin and type of project and up to an established limit. In addition, the legislation foresees the possible recognition of units from new market mechanisms. Under the EU ETS the limit does not exceed 50% of the required reduction below 2005 levels. In the sectors not covered by the ETS, annual use shall not exceed to 3 % of each Member States' non-ETS greenhouse gas emissions in 2005. A limited number of Member States may use an additional 1%, from projects in LDCs or SIDS subject to conditions.
CERs		The use of these units under the ETS Directive and the Effort Sharing Decision is subject to the limits specified above which do not separate between CERs and ERUs, but include additional criteria for the use of CERs.
ERUs		The use of these units under the ETS Directive and the Effort Sharing Decision is subject to the limits specified above which do not separate between CERs and ERUs, but include additional criteria for the use of CERs.
AAUs ^b		AAUs for the period 2013-2020 have not yet been determined. The EU expects to achieve its 20% target for the period 2013-2020 with the implementation of the ETS Directive and the ESD Decision in the non-ETS sectors which do not allow the use of AAUs from non-EU Parties.
Carry-over units ^c		The time-period of the Convention target is from 1990-2020, no carry-over units will be used to achieve the 2020 target.
Other mechanism units under the Convention (specify) ^d		There are general provisions in place in the EU legislation that allow for the use of such units provided that the necessary legal arrangements for the creation of such units have been put in place in the EU which is not the case at the point in time of the provision of this report.
Any other information:		In December 2009, the European Council reiterated the conditional offer of the EU to move to a 30% reduction by 2020 compared to 1990 levels as part of a global and comprehensive agreement for the period beyond 2012, provided that other developed countries commit themselves to comparable emission reductions and that developing countries contribute adequately according to their responsibilities and respective capabilities.
Possible scale of contributions of other market-based mechanisms		None

3. CTF Table 3: Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sectors affected ^b	GHGs affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact ^f (not cumulative, in kt CO ₂ eq)					Proposed footnote text for BR2
									2010 ^f	2015 ^f	2020	2025 ^f	2030 ^f	
Directive 2009/29/EC and 2003/87/EC EU-Emission trading system	cross-cutting	CO ₂ , N ₂ O, PFC	Cost-efficient reduction of emissions	regulatory	implemented	Putting a marked price to carbon and giving a financial value to each tonne of emissions saved	2005	COMMISSION/MS	NE	NE	NE	NE	NE	For 2020 the mitigation impact is estimated at 21% compared to 2005 levels.
Directive 2009/29/EC Effort Sharing Decision	cross-cutting	CO ₂ , CH ₄ , N ₂ O, HFC, PFC, SF ₆	GHG emissions reduction in sectors not included in the EU ETS.	regulatory	implemented	Binding GHG emissions targets for MS for the years 2013-2020 for sectors not included in the EU ETS	2013	MS need to implement national measures and policies to limit emissions from sectors covered here	NE	NE	NE	NE	NE	For 2020 the mitigation impact is estimated at 10 % compared to 2005 levels.
CCS Directive	cross-cutting	CO ₂	Geological storage of CO ₂	Regulatory	Adopted	Establishes a legal framework for the environmentally safe geological storage of CO ₂	2009	MS	NE	NE	NE	NE	NE	The CCS Directive is not described in the BR2. Therefore for more information see the EU 1st Biennial Report chapter 4.2.4
Taxation of Energy Products and Electricity	cross-cutting	CO ₂ , CH ₄ , N ₂ O	Sets minimum levels of taxation of energy products used as motor fuel or as heating fuel and for electricity	Regulatory	Implemented	The Directive covers electricity and all energy products consumed as motor fuel, heating fuel, and provides for common taxation rules and common minimum EU levels of taxation	2003	MS	NE	NE	NE	NE	NE	The current status of the revision to the Taxation of Energy Products Electricity Directive is explained in chapter 3.2 of the EU's 2nd Biennial Report. For further background information on the original directive see EU's 1st Biennial report, chapter 4.2.5
Horizon 2020	cross-cutting	Other (Not directly affected)	EU research and development programme (Horizon 2020) for 2014-2020. Contains objective of reaching 35% climate related expenditures.	Research	Implemented	Horizon 2020 is the largest ever EU Research and Innovation programme, with nearly €80 billion of funding available over seven years (2014 to 2020)..	2014	COMMISSION/EP, MS and others	NE	NE	NE	NE	NE	The Horizon 2020 programme is explained in more detail in chapter 3.2 of the EU's 2nd Biennial report. For more information on other PaMs targeted towards research and observation, see the EU's 1st Biennial report, chapter 4.2.6

European Structural and Investment Funds (ESIF)	cross-cutting	Other (Not directly affected)	Funds are financial instruments of European Union cohesion policy, to narrow the development disparities among regions and Member States	Fiscal	Implemented	The budget and investment priorities of the ESIF for the 2014-2020 programming period are designed to ensure the implementation of the Europe 2020 strategy for smart, sustainable and inclusive growth.	2014	CION/MS	NE	NE	NE	NE	NE	The European Structural and Investment Funds programme is explained in more detail in chapter 3.2 of the EU's 2nd Biennial report.
National Emissions Ceilings Directive	cross-cutting	Atmospheric pollutants: NOx, SO ₂ , NMVOC, NH ₃ , PM _{2.5} and CH ₄	Revision proposal aims to reduce adverse health impacts of air pollution, including reducing the cases of premature deaths per year due to air pollution by more than half.	regulatory	Implemented	The revision proposal includes national emission reduction commitments for each Member State for 2030 (with interim targets also set for 2025) for six specific pollutants	2001	CION/MS	NE	NE	NE	NE	NE	A proposed revision to the National Emissions Ceiling Directive is explained in chapter 3.2 of the EU's 2nd Biennial report. For further information on the original directive see the EU's 1st Biennial report, chapter 4.2.8
Directive 2009/28/EC on the promotion of the use of energy from renewable sources	Energy, transport	CO ₂	20 % share of renewable sources in EU total gross final energy consumption in 2020 (electricity, heat and transport)	regulatory	implemented	The Directive promotes the increase of renewables in the energy supply sector, such as the transport sector and it supports cooperation between Member States.	2010	MS	NE	NE	750000	NE	NE	Estimated impact range: 600-900 Mt (2020), Source: Citizens' Summary of 23 January 2008 see chapter 3.3.1 of the EU's 2nd Biennial Report.
2020 Climate & Energy Package (COM(2008) 30 final)	Cross-cutting	CO ₂ , CH ₄ , N ₂ O, HFC, PFC, SF ₆	20 % cut in greenhouse gas emissions, 20 % share of renewable energy, 20 % increase in energy efficiency	regulatory	implemented	The 2020 climate & energy package is a set of binding legislation to ensure that the EU meets its climate and energy targets for the year 2020.	2009	CION/MS	NA	NE	NE	NE	NE	The 2020 Climate and Energy package provides the emission reduction target. The mitigation impact results from a wide range of measures. See chapter 3.3 of the EU's 2nd Biennial Report.
2030 Framework for Climate and Energy (COM(2014) 15 final)	Cross-cutting	CO ₂ , CH ₄ , N ₂ O, HFC, PFC, SF ₆ , NF ₃	At least 40 % cut in greenhouse gas emissions, at least 27 % share of renewable energy, at least 27 % increase in energy efficiency	regulatory	adopted	It provides the framework and defines the targets to help the EU achieve a more competitive, secure and sustainable energy system and to meet its long-term 2050 greenhouse gas reductions target.	2014	CION/MS	NA	NE	NE	NE	NE	The 2030 Framework for Climate and Energy provides the emission reduction target. The mitigation impact results from a wide range of measures. See chapter 3.3 of the EU's 2nd Biennial Report.

Energy Union Strategy (COM(2015) 80 final)	Energy	CO2	Ensure that Europe has secure, affordable and climate-friendly energy	regulatory	adopted	It provides the framework for supply security, a fully-integrated internal energy market, energy efficiency and greenhouse gas emission reductions in the EU energy sector.	2015	CION/MS	NA	NE	NE	NE	NE	The strategy is in line with the 2030 Framework for Climate and Energy (COM(2014) 15 final). The mitigation impact is given in the CTF table under that policy. See chapter 3.3 of the EU's 2nd Biennial Report.
Biomass Action Plan	Energy	CO2	Increase use of biomass for electricity and heat production and transport	regulatory	Adopted	Sets out Community actions to increase the demand for biomass, improve supply, overcome technical barriers and develop research.	2005	MS	148000	NE	NE	NE	NE	Impact includes reductions in the transport sector, SEC(2005) 1573. See chapter 3.4.2 of the EU's 2nd Biennial Report.
Directive 2010/31/EU on the energy performance of buildings	Energy	CO2	Improve the energy performance of new buildings and of existing buildings	Regulatory	Implemented	The Directive obliges Member States to set minimum standards for the energy performance of new buildings and existing buildings that are subject to major renovation work.	2012	MS	NE	NE	185000	NE	NE	Estimated impact range: 160000-210000kt (2020), Source: SEC(2008) 2864 See chapter 3.3.2 of the EU's 2nd Biennial Report.
Directive 2012/27/EU on energy efficiency	Energy, Industry/industrial processes	CO2	Reduction of barriers in the energy market and avoiding market failure, increase of energy efficiency at all stages of the energy chain.	Regulatory	Adopted	The Directive establishes a common framework of measures for the promotion of energy efficiency and supports the Energy Efficiency Plan 2011.	2014	MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.2 of the EU's 2nd Biennial Report.
Directive 2009/125/EC establishing a framework for the setting of eco-design requirements for energy-related products	Energy	CO2	Reduce energy consumption	regulatory	implemented	This is the framework Directive for eco-design requirements and one of the major cornerstones of the Community Strategy on Integrated Product Policy, together with the Energy Labelling Directive.	2009	CION/MS	NE	NE	NE	NE	NE	Impact estimated separately for each product category (see related eco-design regulations below) See chapter 3.3.3 of the EU's 2nd Biennial Report.

Directive 2010/30/EU on the indication by labelling and standard product information of the consumption of energy and other resources by energy-related products	Energy	CO2	Help consumers to identify energy-saving products.	regulatory	implemented	The Directive is part of the Community Strategy for Integrated Product Policy and introduces energy labels to sign energy-related products. The ranking scale ranges from A(+++) most efficient to G least efficient.	2010	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.3 of the EU's 2nd Biennial Report.
Proposal for a Regulation setting a framework for energy efficiency labelling and repealing Directive 2010/30/EU	Energy	CO2	Simplify the energy label scale and to adapt the scale to current market efficiency standards.	regulatory	planned	This Regulation lays down a framework on the indication by labelling and standard product information of the consumption of energy and other resources by energy-related products during use and supplementary information concerning energy-related products in order to allow customers to choose more efficient products	2015	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for glandless standalone circulators and glandless circulators integrated in products (COM REG (EC) 641/2009)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for glandless standalone circulators and circulator integrated products, including the requirement for Energy labelling (see Reg. (EC) 622/2012)	2009	CION/MS/ industry	NE	NE	12000	NE	NE	SEC(2009) 1016 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for fluorescent lamps without integrated ballast, for high intensity discharge lamps, and for ballasts and luminaires able to operate such lamps (COM REG (EC) 245/2009 amended by COM REG (EU) 347/2010)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for fluorescent lamps, high discharge lamps, ballasts and luminaires able to operate such lamps, including the requirement for Energy labelling. (see Reg. (EU) 874/2012)	2009	CION/MS/industry	NE	15300	NE	NE	NE	SEC(2009) 324 See chapter 3.3.3 of the EU's 2nd Biennial Report.

Eco-design requirements for non-directional household lamps, amendment is replacing functionality requirements for lamps excluding compact fluorescent lamps and LED lamps (COM REG (EC) 244/2009 amended by COM REG (EC) 859/2009)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for non-directional household lamps, including the requirement for Energy labelling (see Reg. (EU) 874/2012).	2009	CION/MS/industry	NE	NE	15400	NE	NE	SEC(2009) 327 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for household refrigerating appliances (COM REG (EC) 643/2009)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for household refrigerating appliances, including the requirement for Energy labelling (see Reg. (EU) 1060/2010).	2009	CION/MS/industry	NE	NE	2000	6000	NE	SEC(2009) 1020 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for no-load condition electric power consumption and average active efficiency of external power supplies (COM REG (EC) 278/2009)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for no-load condition electric power consumption and average active efficiency of external power supplies; Energy labelling has not been introduced.	2009	CION/MS/industry	NE	NE	36000	NE	NE	SEC(2009) 434 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for simple set-top boxes (COM REG (EC) 107/2009)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for simple set-top boxes; Energy labelling has not been introduced.	2009	CION/MS/industry	NE	NE	17000	NE	NE	SEC(2009) 114 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment (COM REG (EC) 1275/2008)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for standby and off mode electric power consumption of electrical and electronic household and office equipment; Energy labelling has not been introduced.	2009	CION/MS/industry	NE	NE	14000	NE	NE	SEC(2008) 3071 See chapter 3.3.3 of the EU's 2nd Biennial Report.

Eco-design requirements for household tumble driers (COM REG (EU) 932/2012)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for household tumble driers, including the requirement for Energy labelling (see Reg. (EU) 392/2012)	2012	CION/MS/industry	NE	400	1500	2900	3800	SWD(2012) 289 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for water pumps (COM REG (EU) 547/2012)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for water pumps; Energy labelling has not been introduced.	2012	CION/MS/industry	NE	NE	NE	NE	NE	Impact assessment shows ranges between 1200 and 2100 kt in 2020, Source: SWD(2012) 178 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for air conditioners and comfort fans (COM REG (EU) 206/2012)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for air conditioners and comfort fans, including the requirement for Energy labelling (see Reg. (EU) 626/2011)	2012	CION/MS/industry	NE	1700	3800	5500	6000	SWD(2012) 35 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for industrial fans (COM REG (EU) 327/2011)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for industrial fans; Energy labelling has not been introduced.	2011	CION/MS/industry	NE	9600	24800	41600	NE	SEC(2011) 384 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for household dishwashers (COM REG (EU) 1016/2010)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for household dishwashers, including the requirement for Energy labelling (see Reg. (EU) 1059/2010)	2010	CION/MS/industry	NE	NE	500	1800	NE	SEC(2010) 1356 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for household washing machines (COM REG (EU) 1015/2010)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for household washing machines, including the requirement for Energy labelling (see Reg. (EU) 1061/2010)	2010	CION/MS/industry	NE	NE	800	NE	NE	SEC(2010) 1354 See chapter 3.3.3 of the EU's 2nd Biennial Report.

Eco-design requirements for directional lamps, light emitting diode lamps and related equipment (COM REG (EU) 1194/2012)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for directional lamps, light emitting diode lamps and related equipment, including the requirement for Energy labelling (see Reg. (EU) 874/2012)	2013	CION/MS/industry	NE	NE	9500	10300	NE	SWD(2012) 0419 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for space heaters and combination heaters (COM REG (EU) 813/2013)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation aims to set minimum standards for space heaters and combination heaters.	2013	CION/MS/industry	NE	NE	110 000	NE	NE	SWD(2013) 296 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for computers and computer servers (COM REG (EU) 617/2013)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for computers and servers.	2013	CION/MS/industry	NE	NE	4 200	NE	NE	SWD(2013) 219 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for vacuum cleaners (COM REG (EU) 666/2013)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for vacuum cleaners including the requirement for energy labelling.	2013	CION/MS/industry	NE	NE	6 000	NE	NE	SWD(2013) 240 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for domestic ovens, hobs and range hoods (COM REG (EU) 66/2014)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for domestic ovens, hobs and range hoods including the requirement for energy labelling.	2014	CION/MS/industry	NE	NE	1 200	NE	2 600	SWD(2014) 3 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for small, medium and large power transformers (COM REG (EU) 548/2014)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for power transformers.	2014	CION/MS/industry	NE	NE	NE	4 000	NE	SWD(2014) 161 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for ventilator units (COM REG (EU) 1253/2014)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for ventilators including the requirement for energy labelling.	2014	CION/MS/industry	NE	NE	NE	NE	80 000	SWD(2014) 223 See chapter 3.3.3 of the EU's 2nd Biennial Report.

Eco-design requirements for television and networked standby losses (COM REG (EU) 801/2013)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for television, including the requirement for energy labelling.	2013	CION/MS/industry	NE	NE	11 700	NE	NE	SWD(2013) 305 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for water heaters and hot water storage tanks (COM REG (EU) 814/2013)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for water heaters and hot water storage tanks, including the requirement for energy labelling.	2013	CION/MS/industry	NE	NE	20 000	NE	NE	SWD (2013) 294 See chapter 3.3.3 of the EU's 2nd Biennial Report.
Eco-design requirements for electric motors (COM REG (EU) 4/2014; amendment of COM REG (EC) 640/2009)	Energy	CO2	Reduce energy consumption	regulatory	implemented	The Regulation sets minimum standards for electric motors, including the requirement for energy labelling	2013	CION/MS/industry	NE	NE	64000	94000	NE	SEC(2009) 1013 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Voluntary eco-design scheme for complex set-top boxes	Energy	CO2	Reduce energy consumption	Voluntary agreement	implemented	Voluntary agreement on energy consumption targets for set-top boxes without Energy labelling.	2010	CION/MS/industry	NE	NE	NE	NE	NE	Cumulative impact 2020: 21000kt SWD(2012) 391 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Voluntary eco- design scheme for imaging equipment	Energy	CO2	Reduce energy consumption	Voluntary agreement	implemented	Voluntary agreement on energy consumption targets for imaging equipment without Energy labelling.	2011	CION/MS/industry	NE	NE	10200	NE	NE	SWD(2013) 15 final See chapter 3.3.3 of the EU's 2nd Biennial Report.
Green Public Procurement	Energy	CO2	Increase the share of efficient and environmentally friendly technologies, products, services in the public sector	Voluntary agreement	Implemented	Increase the share of efficient and environmentally friendly technologies, products, services in the public sector	2004	MS	35000	NE	NE	NE	NE	Estimated impact range: 25000-45000kt (2010) Source: Second ECCP Progress Report (EU 15 only) See chapter 3.3.3 of the EU's 2nd Biennial Report.
Energy Star Programme	Energy	CO2	Promotion of less energy consuming office appliances	Voluntary agreement	Implemented	The label shall help consumers to identify low energy consumption products.	2002	MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.3 of the EU's 2nd Biennial Report.

EU Project Development Assistance (PDA) Facilities	Energy	CO2	Support of energy efficiency investment projects	Economic	Implemented	It provides the grant support for project promoters to develop and launch their energy efficiency investment projects and programmes.	2014	CION/industry	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.4 of the EU's 2nd Biennial Report.
European Energy Efficiency Fund (EEEF)	Energy	CO2	Support private public partnership investments in energy efficiency, renewable energy and GHG emission reductions.	Economic	Implemented	It is stocked with 265 million EUR for supporting private public partnerships investing in energy efficiency, renewable energy and GHG emission reductions.	2014	CION/industry	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.4 of the EU's 2nd Biennial Report.
European Regional Development Fund (ERDF)	Energy	CO2	Support investments in energy-related areas such as buildings, renewable energy or, smart grids.	Economic	Implemented	It is part of the European Structural and Innovation Funds (ESIF) 38 billion EUR are determined for investing in the fields of e.g. buildings, renewable energy, smart grids and transport during 2014 and 2020.	2014	CION/ regional authorities	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.4 of the EU's 2nd Biennial Report.
Motor Challenge Programme	Industry	CO2	Improve the energy efficiency of their electric Motor Driven Systems	Voluntary	Implemented	Companies receive aid, advice and technical assistance to undertake specific measures to reduce energy consumption.	2003	Industry	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.4 of the EU's 2nd Biennial Report.
Strategic Energy Technology Plan (COM(2007) 723)	Energy	CO2	Support introduction of low carbon technologies	Regulatory	Implemented	The plan comprises measures relating to planning, implementation, resources and international cooperation in the field of energy technology	2007	CION	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.3.4 of the EU's 2nd Biennial Report.

New integrated Covenant of Mayors for climate and energy	Energy	CO2	Support local authorities to deploy sustainable energy policies and cut GHG emissions.	Voluntary Agreement	Implemented	In order to translate their political commitment into specific measures and projects, Covenant signatories undertake to prepare and submit a Sustainable Energy Action Plan (SEAP). In 2015, the covenant was extended to the 2030 horizon and adaptation and the international dimension were included.	2008	Local governments	NE	NE	190000	NE	NE	Impact compared to base year 1990. Source: "The Covenant of Mayors in Figures - 6 year Assessment" by JRC (2014) See chapter 3.3.5 of the EU's 2nd Biennial Report.
CO2 from cars (Regulation 443/2009)	Transport	CO2	130 grams of CO2 per kilometre (g/km) by 2015 and 95g/km by 2020.	Regulatory	Implemented	The Regulation is setting emission performance standards for new passenger cars as part of the Community's integrated approach to reduce CO2 emissions from light-duty vehicles	2009	MS	NE	NE	NE	NE	NE	See chapter 3.4.1 of the EU's 2nd Biennial Report.
CO2 from vans (Regulation 510/2011)	Transport	CO2	175 grams of CO2 per kilometre (g/km) by 2017 and 147g/km by 2020.	Regulatory	Implemented	The Regulation is similar to the one for new cars and sets CO2 emission targets for new vans sold on the EU market.	2011	MS	NE	NE	NE	NE	NE	See chapter 3.4.1 of the EU's 2nd Biennial Report.
Strategy for reducing Heavy-Duty Vehicles' fuel consumption and CO2 emissions	Transport	CO2	Curb Heavy Duty Vehicles' CO2 emissions in a cost-efficient and proportionate way	Regulatory	Adopted	The Strategy addresses modal shift, measures to reduce fuel GHG intensity, development and rolling out of vehicles with a lower carbon footprint and vehicle fleet operation.	2011	MS	NE	NE	NE	NE	NE	Impacts were determine for various options. The actual impact will depend on the final policy. See chapter 3.4 of the EU's 2nd Biennial Report.
Directive 1999/94/EC on Car Labelling	Transport	CO2	Raise consumer awareness on fuel use and CO2 emissions of new passenger cars	Regulatory	Implemented	The Directive requires that information relating to the fuel economy and CO2 emissions of new passenger cars is consistently made available to consumers.	1994	MS, industry	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.4.1 of the EU's 2nd Biennial Report.

Directive 2009/28/EC on the promotion of the use of energy from renewable sources (Transport sector)	Transport	CO2	By 2020, the share of renewable energy shall amount to 10 % of fuels consumed in the transport sector	Regulatory	Implemented	The Directive sets a number of sustainability criteria that must be met for biofuels and bioliquids to count towards the target, including a minimum threshold of GHG savings for biofuels	2010	MS	NE	NE	NE	NE	NE	(impact not estimated for transport sector) See chapter 3.4.2 of the EU's 2nd Biennial Report.
Directive 2009/30/EC on the specification of petrol, diesel and gas-oil and introducing a mechanism to monitor and reduce greenhouse gas emissions	Transport	CO2	Reduce the greenhouse gas intensity of fuels used in road transport by 6% in 2020	Regulatory	Implemented	The reduction shall be obtained through the use of biofuels, alternative fuels or reductions in flaring and venting. The Directive applies to all petrol, diesel and biofuels used in road transport, as well as to gas oil used in non-road-mobile machinery.	2010	MS	NE	NE	NE	NE	NE	See chapter 3.4.2 of the EU's 2nd Biennial Report.
Directive 2009/30/EC on the specification of petrol, diesel and gas-oil and introducing a mechanism to monitor and reduce greenhouse gas emissions, including amendment on indirect land use changes	Transport	CO2	Reduce the greenhouse gas intensity of fuels used in road transport by 6% in 2020 and reduce GHG emissions from indirect land-use change	Regulatory	Implemented	<p>The reduction shall be obtained through the use of biofuels, alternative fuels or reductions in flaring and venting. The Directive applies to all petrol, diesel and biofuels used in road transport, as well as to gas oil used in non-road-mobile machinery.</p> <p>The EU agreed in April 2015 to amend both the Fuel Quality Directive and the transport-related section of the Renewable Energy Directive in order to limit negative effects of indirect land use changes (ILUC)</p>	2009	MS	NE	NE	48000	NE	NE	SWD(2012) 343 final This figure only includes emission reductions in the transport sector See chapter 3.4.2 of the EU's 2nd Biennial Report.

General Safety Regulation (EC) 661/2009 and Tyre Labelling and Minimum Rolling Resistance (EC) 1222/2009	Transport	CO2	Enhance safety of motor vehicles, increase fuel efficiency of motor vehicles and tyres, reduce noise emissions of tyres.	Regulatory	Implemented	The regulation integrates environmental and safety requirements for type approval of vehicles and tyres. It applies to vehicles of passenger transport (category M), transportation of goods (category N) and trailers (category O).	2009	Industry	NE	NE	2750	NE	NE	Estimated impact range: 1500-5000 kt. Source: SEC(2008)2860 See chapter 3.4.1 of the EU's 2nd Biennial Report.
Infrastructure charging for heavy goods vehicles (1999/62/EC, amended by 2006/38/EC and 2011/76/EU)	Transport	CO2	Better functioning of the internal market and reduction of congestion, noise and air pollution	regulatory	Implemented	The Directive stipulates rules how and to what extent the cost of constructing, operating and developing infrastructure can be borne (through tolls and vignettes) by road users.	1999	MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.4.3 of the EU's 2nd Biennial Report.
Directive 2014/94/EU on Deployment of Alternative Fuels Infrastructure	Transport	CO2	Reduce CO2 emissions through shift of fuel type	regulatory	Implemented	The Directive requires Member States to adopt national policy frameworks for the market development of alternative fuels and their infrastructure, and sets binding targets for the build-up of alternative fuel infrastructure.	2014	MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.4.3 of the EU's 2nd Biennial Report.
Clean vehicles Directive (2009/33/EC)	Transport	CO2	Reduce CO2 emissions through procurement of green vehicles	regulatory	implemented	The Directive requires that energy and environmental impacts linked to the operation of vehicles over their whole lifetime, including CO2 emissions, are taken into account in public procurement decisions.	2010	MS	NE	1900	NE	NE	NE	Impact estimated for year 2017, Impact assessment report See chapter 3.4.4 of the EU's 2nd Biennial Report.

White Paper: Roadmap to a Single European Transport Area COM(2011) 144 final	Transport	CO2	Create a competitive and efficient internal EU transport system, cut transport emissions by 60% by 2050.	Regulatory	adopted	The 2011 White Paper, which forms an integral part of the "Resource Efficiency" initiative of the Commission, defines a long-term strategy to achieve a competitive and resource efficient transport system.	2011	CION	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.4 of the EU's 2nd Biennial Report.
Integrating maritime transport emissions in the EU's greenhouse gas reduction policies (COM(2013) 479 final and Regulation (EU) 2015/757)	Transport	CO2	Include GHG emissions from maritime transport in the EU's emission reduction policy.	Regulatory	adopted	The Strategy for maritime transport proposes an MRV system, reduction targets and further measures, including market-based instruments. The Regulation establishes an EU-wide MRV system for large ships.	2013	CION	NE	NE	NE	NE	4400	SWD(2013) 237 final/2 See chapter 3.4.4 of the EU's 2nd Biennial Report.
F-Gas Regulation (EU) No 517/2014	Industry/industrial processes	HFCs, PFCs, SF6	Reduce consumption and use of F-gases	Regulatory	Implemented	The Regulation prescribes a cap and subsequent reduction of HFCs that can be placed on the EU market ("phase-down"). It also includes a number of bans.	2015	CION, MS	NE	NE	NE	NE	72000	SWD(2012) 363 See chapter 3.5.1 of the EU's 2nd Biennial Report.
European Directive on mobile air-conditioning systems (MACs) (2006/40/EC)	Industry/industrial Processes	HFCs	Reduce use and consumption of F-gases	Regulatory	Implemented	The Directive lays down the requirements for the EC type approval or national type-approval of vehicles as regards emissions from, and the safe functioning of, air-conditioning systems.	2006	CION, MS, industry	NE	3000	13000	NE	NE	COM (2011) 581 final See chapter 3.5.2 of the EU's 2nd Biennial Report.
Industrial Emissions Directive (2010/75/EU)	Industry/industrial processes	CO2	Reduction of harmful industrial emissions across the EU	Regulatory	Implemented	The Directive is a recast of existing legislation aiming at achieving benefits to the environment and human health by reducing polluting emissions as well as waste from industrial and agricultural installations in particular through Best Available Techniques (BAT).	2011	CION, MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.5.3 of the EU's 2nd Biennial Report.

Regulation (EU) No 1305/2013 on support for rural development by the European Agricultural Fund for Rural Development	Agriculture	CO2, CH4, N2O	Ensure sustainable agriculture	Regulatory, economic, information	implemented	The Regulation foresees that Member States draw up and co-finance multiannual rural development programmes. These programmes have to meet the three strategic objectives for 2014 – 2020, including sustainability and climate action.	2014	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.6.1 of the EU's 2nd Biennial Report.
Action Plan for the future of Organic Production (COM(2014) 179 final), Proposal for a Regulation on Organic Production and labelling of organic products (COM(2014) 180 final)	Agriculture	CO2, CH4, N2O	Support growth in the organic production sector	Regulatory	Planned	The Action Plan defines the strategy for organic production, controls and trade for the forthcoming period, by laying down 18 concrete actions, considering EU instruments, consumer awareness, research, monitoring, certification and trade with third countries. The proposal for a Regulation lays down principles for organic production and rules for production, labelling, certification and trading.	2015	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.6.2 of the EU's 2nd Biennial Report.
Soil Thematic Strategy (COM(2006) 231)	Agriculture, LULUCF	CO2	Protect soil as carbon pool	information, education, research, regulatory	Adopted	The Strategy tackles the full range of threats associated with soil degradation and creates a common framework for the protection of soil	2006	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.6.2 of the EU's 2nd Biennial Report.
Nitrates Directive (91/676/EEC)	Agriculture	N2O	Prevent water pollution	regulatory	implemented	The Directive contains actions and measures to be elaborated by the Member States, such as monitoring of waters, identification of nitrates vulnerable zones (NZV), establishment of Codes of Good Agricultural Practices (CGAP) and implementation of actions plans.	1991	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.6.2 of the EU's 2nd Biennial Report.

LULUCF accounting (LULUCF Decision 529/2013/EU)	LULUCF	CO2,	Robust accounting of LULUCF activities across Europe	regulatory	Adopted	Provides the basis for a formal inclusion of the LULUCF sector and ensures a harmonized legal framework allowing the collection of reliable data by robust accounting and reporting in a standardised way.	2013	CION	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.7.1 of the EU's 2nd Biennial Report.
Waste Framework Directive (2008/98/EC)	Waste, Energy, Industry/industrial Processes	CH4, CO2	Promote prevention and recycling of waste	regulatory	implemented	The Directive is a legal framework for the management of waste to cope with the challenge of decoupling economic growth from waste generation and promoting strict hierarchy of intervention for waste prevention and management. It has been amended in 2006 and 2008.	1975	CION/MS	NE	NE	40100	NE	NE	Consultancy report See chapter 3.8.1 of the EU's 2nd Biennial Report.
Landfill Directive (1999/31/EC)	Waste, Energy	CH4	Prevent or reduce as far as possible negative effects on the environment resulting from landfilling	regulatory	implemented	The Landfill Directive defines the different categories of waste (municipal waste, hazardous waste, non-hazardous waste and inert waste) and applies to all landfills, defined as waste disposal sites for the deposit of waste onto or into land.	1999	CION/MS	48000	NE	44000	NE	NE	2010 impact compared to 1995 levels, 2020 impact compared to 2008 levels (if all MS fully meet the targets: 62000kt in 2020), Source: EEA report See chapter 3.8.2 of the EU's 2nd Biennial Report.
EU policies targeting waste streams	Waste, energy	CO2, CH4	Conservation of resources	regulatory	implemented	These policy group targets different waste streams to promote recycling, re-use and waste recovery.	1994	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.8.4 of the EU's 2nd Biennial Report.

Management of biodegradable waste (COM/2008/0811 final)	Waste, Energy	CO2, CH4	Make us of bio-waste as energy or material source	Regulatory	planned	The CION published a Green Paper on the Management of biodegradable waste to use the potential of bio-waste. Currently the MS follow different strategies to manage their bio-waste. A binding target is under discussion.		CION/MS	NE	NE	NE	NE	NE	Reduction potential ranges between 1500 and 6000 kt CO2eq in 2020, depending on the target. Source: Feasibility assessment See chapter 3.8.3 of the EU's 2nd Biennial Report.
Urban Waste Water Treatment Directive (91/271/EEC)	Waste	N2O, CH4	Protect the environment from the adverse effects of urban & industrial waste water discharges	Regulatory	implemented	The Directive concerns the collection, treatment and discharge of urban waste water and the treatment and discharge of waste water from certain industrial sectors.	1991	CION/MS	NE	NE	NE	NE	NE	(impact not estimated) See chapter 3.8.5 of the EU's 2nd Biennial Report.

Abbreviations: GHG = greenhouse gas; LULUCF = land use, land-use change and forestry.; NE: not estimated

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

On aggregated EU-level, detailed information on the inclusion of EU-wide PaMs in the 'with measures' projection is not available as this may differ between the 28 Member States. Such detailed information can be sought in the Member states' own Biennial Reports.

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

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

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

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

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

The EU 'with existing measures' projections scenario is aggregated from individual Member States submissions. Thus, the projections include a variety of measures depending on the status of implementation of EU initiated policies in different Member States and programmes of measures developed independently in individual Member States. Measures included in the EU 'with existing measures' and scenarios can therefore not be indicated in CTF Table 3.

Abbreviations for implementing entities: CION: European Commission; EP: European Parliament; MS: Member States

4. CTF table 4: Report on progress

Table 4: Report on progress ^{a,b}

	Unit	Base year (1990)	2010	2011	2012	2013	2014
Total (without LULUCF) ④	kt CO ₂ eq	5,749,640.49	4,918,070.52	4,766,280.43	4,696,970.56	4,610,953.15	NA
Contribution from LULUCF ^c ①	kt CO ₂ eq						
Market-based mechanisms under the Convention ②	number of units						
	kt CO ₂ eq						
Other market-based mechanisms ③	number of units						
	kt CO ₂ eq						

Note: Parties may add additional columns for years other than those specified below.

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

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

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

^c 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.

① Numbers for LULUCF are not reported because this sector is not included under the Convention target of the EU.

② Market-based mechanisms under the Convention: Not applicable: Use of CER and ERU cannot be quantified at the time of reporting.

③ No “other” market-based mechanisms are in use.

④ Total (without LULUCF): Total GHG emissions (except NF3), including domestic and international aviation, but excluding LULUCF, as reported to the UNFCCC in 2015. Thus no data for 2014 is available.

5. CTF table 5: Summary of key variables and assumptions used in the projections analysis

Table 5: Summary of key variables and assumptions used in the projections analysis ^a											
Key underlying assumptions	Unit	Historical ^b							Projected		
		1990	1995	2000	2005	2010	2011	2015	2020	2025	2030
Population	Million							508.95	512.83	514.67	516.36
International oil price	EUR (2010) / GJ							13.11	14.04	14.68	16.00
GDP	Bio. Euro (2010)							12.94	14.11	15.41	16.84
EU ETS carbon price	EUR (2010) / t CO ₂							7.52	10.93	17.08	27.86
Please, specify											
^a Parties should include key underlying assumptions as appropriate.											
^b Parties should include historical data used to develop the greenhouse gas projections reported.											
EU-28 key parameters have been derived as weighted averages or sums of the values of projection key parameters as reported by Member States under the Monitoring Mechanism Regulation in 2015.											

6. CTF table 6: Information on updated greenhouse gas projections under a ‘with measures’ scenario

	1990	1995	2000	2005	2010	2013	2015	2020	2025	2030
History										
Mt CO₂equivalent										
Total GHG emissions (excl. LULUCF; excl. International aviation)	5680	5322	5177	5224	4786	4477				
By sector										
Energy	3570	3248	3097	3141	2859	2637				
Transport	786	840	921	974	939	887				
Industry/industrial processes	511	491	443	449	376	360				
Agriculture	569	495	481	455	442	441				
Waste management/waste	244	248	235	205	170	152				
By gas										
CH ₄ emissions excluding CH ₄ from LULUCF	744	673	613	547	489	463				
CO ₂ emissions excluding net CO ₂ from LULUCF	4460	4201	4162	4286	3934	3650				
N ₂ O emissions excluding N ₂ O from LULUCF	405	366	325	304	257	251				
Total F-Gases (excl. NF ₃)	71	82	77	87	106	114				
Memo items										
<i>Memo item: international aviation</i>	70	86	116	132	132	134				
<i>Memo item: international navigation</i>	109	110	133	162	157	140				
With existing measures' scenario										
Mt CO₂equivalent										
Total GHG emissions (excl. LULUCF; excl. International aviation)							4445	4228	4108	4034
By sector										
Energy							2594	2400	2299	2224
Transport							895	885	878	889
Industry/industrial processes							364	363	356	348
Agriculture							445	449	453	458
Waste management/waste							146	132	121	115
By gas										
CH ₄ emissions excluding CH ₄ from LULUCF							457	440	427	418
CO ₂ emissions excluding net CO ₂ from LULUCF							3607	3414	3316	3259
N ₂ O emissions excluding N ₂ O from LULUCF							268	270	272	275
Total F-Gases (excl. NF ₃)							109	103	90	80
Memo items										
<i>Memo item: international aviation</i>							139	153	165	176
<i>Memo item: international navigation</i>							151	153	154	155

Note: The EU's greenhouse gas projection is the result of an aggregation of Member States individual GHG projections. Member States had to submit these projections under the MMR in March 2015. The preparation of the projections takes considerable time. It is therefore likely that the F-Gas Regulation which was adopted in 2014 could not be considered within individual greenhouse gas projections. Therefore its anticipated effects are not completely reflected in the EU's greenhouse gas projection

7. CTF Table 7. Provision of public financial support: summary information.

Table 7. Provision of public financial support: summary information. ^a

Allocation channels	European euro - EUR					USD ^b				
	Climate-specific ^d					Climate-specific ^d				
	Core/general ^c	Mitigation	Adaptation	Cross-cutting ^e	Other	Core/general ^c	Mitigation	Adaptation	Cross-cutting ^e	Other
2013										
Total contributions through multilateral channels										
Multilateral climate change funds ^g										
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies										
Total contributions through bilateral, regional and other channels		2,166,496,503.58	340,595,200.00	503,699,200.00			2,877,106,028.75	452,310,425.60	668,912,537.60	
Total		2,166,496,503.58	340,595,200.00	503,699,200.00			2,877,106,028.75	452,310,425.60	668,912,537.60	
2014										
Total contributions through multilateral channels										
Multilateral climate change funds ^g										
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks										
Specialized United Nations bodies										
Total contributions through bilateral, regional and other channels		2,200,995,253.08	206,130,496.00	368,335,952.63			2,918,519,705.59	273,329,037.70	488,413,473.19	
Total		2,200,995,253.08	206,130,496.00	368,335,952.63			2,918,519,705.59	273,329,037.70	488,413,473.19	

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:

The financial resources reported in this Biennial Report are considered to be “new and additional resources” meaning that they were committed after and not included in the previous national communication or biennial report. As per recommendation of the ERT, it is further stated that the EU budgets are determined on an annual basis so that each annual commitment cycle represents new and additional resources.

8. CTF table 7b: Provision of public financial support: contribution through bilateral, regional and other channels in 2013

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
Bilateral, non allocated	53 320 000,00	70 808 960,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid EU Budget contribution to the NIF (2011-2013) - ENPI South Region
South Africa	40 000 000,00	53 120 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid Infrastructure Investment Programme for South Africa (IIPSA)
Europe	30 880 000,00	41 008 640,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid EU Budget contribution to the NIF (2011-2013) - ENPI East Region
Morocco	24 000 000,00	31 872 000,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural policy and administrative management Support programme for agricultural policy in Morocco, phase 2 (AGRI II)
Africa - South Sahara, regional	60 000 000,00	79 680 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Disaster prevention and preparedness Building Resilience of African Nations and Communities to Disasters
Bilateral, non allocated	23 260 000,00	30 889 280,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural research Global Public Goods for Food and Nutrition Security: Support to International Agricultural Research for Development
Africa - South Sahara, regional	22 400 000,00	29 747 200,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural policy and administrative management « Stock CEDEAO », covering the first 3 components of the support project for storing food security in West Africa between the EU and the Economic Community of West African States (CEDEAO) (ROC/FED/24-947)
Bilateral, non allocated	22 000 000,00	29 216 000,00	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources Second global commitment for the energy Facility Call for Proposals
Ethiopia	20 000 000,00	26 560 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Rural development SHARE Ethiopia - Accelerating Resilience Capacity (ARC)
America	19 800 000,00	26 294 400,00	Committed	ODA	Grant	Mitigation	cross-cutting	Multisector aid Latin America Investment Facility 2009 - LAIF
Kenya	16 000 000,00	21 248 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Rural development SHARE Kenya
Oceania	35 500 000,00	47 144 000,00	Committed	ODA	Grant	Cross-cutting	energy	Energy policy and administrative management Adapting to Climate Change and Sustainable Energy (ACSE)
Kenya	31 000 000,00	41 168 000,00	Committed	ODA	Grant	Cross-cutting	water and sanitation	Water resources policy and administrative management Water Tower Protection and Climate Change Mitigation and Adaptation Programme
Guyana	12 080 000,00	16 042 240,00	Committed	ODA	Grant	Adaptation	cross-cutting	Multisector aid 10th EDF Contribution to the Caribbean Facility (CIF), earmarked for Guyana
Bilateral, non allocated	12 000 000,00	15 936 000,00	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources Action fiche for budget increase and re-allocation of the 10th EDF ACP-EU Energy Facility
Africa - South Sahara, regional	12 000 000,00	15 936 000,00	Committed	ODA	Grant	Mitigation	energy	Electrical transmission/ distribution Western African Power Pool Information and Coordination Centre
Asia	12 000 000,00	15 936 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Multisector aid Asian Investment facility
Bilateral, non allocated	29 000 000,00	38 512 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Urban development and management Regional Programme in the Neighbourhood East for Sustainable Urban Demonstration Projects (SUDeP)
Nigeria	10 800 000,00	14 342 400,00	Committed	ODA	Grant	Cross-cutting	energy	Energy policy and administrative management Access to Sustainable Energy in Nigeria
Bilateral, non allocated	10 120 000,00	13 439 360,00	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management ACP-EU Energy Facility under the 10th EDF - replenishment 2012
Bilateral, non allocated	10 000 000,00	13 280 000,00	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources ACP-EU Energy Facility under the 10th EDF - replenishment 2012
Burkina Faso	25 000 000,00	33 200 000,00	Committed	ODA	Grant	Mitigation	energy	Solar energy Producing photovoltaic solar for Zagtoui
Central Asia	8 226 800,00	10 925 190,40	Committed	ODA	Grant	Mitigation	cross-cutting	Multisector aid Investment Facility for Central Asia 2013 (IFCA)
West Bank and Gaza Strip	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Adaptation	water and sanitation	Sanitation - large systems Sewerage Nablus East
Egypt	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Mitigation	water and sanitation	Waste management/disposal National Solid Waste Management Programme
Africa - South Sahara, regional	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural land resources Action Against Desertification
Africa - South Sahara, regional	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Adaptation	agriculture	Food crop production Addressing food security for the poor and vulnerable in fragile situations: Call for proposals for Central African Republic, Sudan, South Sudan
Madagascar	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Adaptation	forestry	Fuelwood/charcoal

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								Support programme for agroforestry around 'Antananarivo
Bilateral, non allocated	20 000 000,00	26 560 000,00	Committed	ODA	Grant	Adaptation	other	Disaster prevention and preparedness ACP-EU Natural Disaster Risk Reduction Programme
West Indies	20 000 000,00	26 560 000,00	Committed	ODA	Grant	Adaptation	other	Disaster prevention and preparedness ACP-EU Natural Disaster Risk Management in the CARIFORUM
Africa - South Sahara, regional	7 800 000,00	10 358 400,00	Committed	ODA	Grant	Mitigation	cross-cutting	Site preservation Public-Private Partnership: a mechanism to fulfill the mandates for conservation, development and poverty reduction in and around protected priority areas in Central Africa
Africa - South Sahara, regional	7 600 000,00	10 092 800,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management SWITCH AFRICA GREEN
Solomon Islands	6 960 000,00	9 242 880,00	Committed	ODA	Grant	Adaptation	water and sanitation	Basic drinking water supply and basic sanitation Improving governance and access to Water, Sanitation and Hygiene promotion (WASH) for rural people
Senegal	6 960 000,00	9 242 880,00	Committed	ODA	Grant	Adaptation	cross-cutting	Urban development and management Sanitation and urban restructuring in Hann and Petit Mbao
Bilateral, non allocated	6 800 000,00	9 030 400,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Switch MED demonstration projects and networking component
Macedonia (Former Yugoslav Republic of)	6 200 000,00	8 233 600,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Rural development Improvement and development of rural infrastructure (with WB)
Benin	6 000 000,00	7 968 000,00	Committed	ODA	Grant	Mitigation	transport	Rail transport Strengthening transport services on the axis Benin/Niger - Part of institutional strengthening
Bilateral, non allocated	6 000 000,00	7 968 000,00	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management Support to rural electrification in the context of EU Sustainable Energy for All (SE4All) funded initiatives
Guyana	14 800 000,00	19 654 400,00	Committed	ODA	Grant	Adaptation	cross-cutting	Flood prevention/control Sea and River Defence Sector Budget Support Programme
Serbia	5 707 600,00	7 579 692,80	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management
Africa - South Sahara, regional	5 600 000,00	7 436 800,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural research FSTP AAP 2013 first batch - Support to Forum for Agricultural Research in Africa –FARA (Medium Term Operational Plan 2014/2018)(CRIS/2013/318-401)
Turkey	13 950 000,00	18 525 600,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Capacity Building in the Field of Climate Change in Turkey
Ukraine	5 200 000,00	6 905 600,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Non-substantial increase of Ukraine 2013 Annual Action Programme
Saint Kitts et Nevis	5 105 200,00	6 779 705,60	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid National Social and Economic Transformation Programme - AAP 2012
Serbia	5 060 000,00	6 719 680,00	Committed	ODA	Grant	Adaptation	cross-cutting	Environmental policy and administrative management Environment and Climate Change Sector
Africa - South Sahara, regional	12 324 341,38	16 366 725,35	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources ACP EU Energy facility under the 10 th EDF
Serbia	4 452 000,00	5 912 256,00	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management
Africa - North Sahara, regional	10 500 000,00	13 944 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Urban development and management Regional Programme in the Neighbourhood for Sustainable Urban Demonstration Projects (SUDeP) -Southern Part
Moldova, Republic of	4 000 000,00	5 312 000,00	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management EaPIC Moldova – Scale-up of Support to the Reform of the Energy Sector
Bilateral, non allocated	10 000 000,00	13 280 000,00	Committed	ODA	Grant	Cross-cutting	energy	Environmental policy and administrative management Supporting more ambitious Low-Emission Development pathways in key developing countries by promoting international cooperative initiatives to reduce greenhouse gas emissions through improvements in energy efficiency policies and reforming energy subs
Moldova, Republic of	3 784 000,00	5 025 152,00	Committed	ODA	Grant	Mitigation	energy	Biomass EaPIC Moldova – Scale-up of Support to the use of biomass for energy
Haiti	3 720 000,00	4 940 160,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Urban development and management Rehabilitation of neighbourhoods to facilitate the return of people displaced by the quake and support for repairing/constructing damaged/destroyed houses
Kazakhstan	3 520 000,00	4 674 560,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Supporting Kazakhstan's Green Economy Strategy
Djibouti	3 200 000,00	4 249 600,00	Committed	ODA	Grant	Adaptation	water and sanitation	Water supply - large systems Initiative Supporting Horn of Africa's Resilience - Improving access to clean water in peri-urban areas in Djibouti and three main regional places and preparatory studiv for an intervention in the rural area

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
Bolivia	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Cross-cutting	water and sanitation	River development Sectoral support for the National Basin Plan II
Albania	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Sector Programme on Environment and Climate Change
Malawi	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Global Climate Change Alliance - Malawi
Tanzania	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Integrated Approaches for Climate Change Adaptation
Tchad	8 000 000,00	10 624 000,00	Committed	ODA	Grant	Cross-cutting	energy	Environmental policy and administrative management GCCA in Tchad; adaptation to the effects of climate change and renewable energy development
Africa - South Sahara, regional	3 000 000,00	3 984 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Phase II: Support Programme for the Implementation of the Mauritius Strategy for Small Island Developing States of the Eastern and Southern Africa - Indian Ocean region
Namibia	7 100 000,00	9 428 800,00	Committed	ODA	Grant	Cross-cutting	water and sanitation	Rural development Local Call for Proposals: Climate Change Adaptation and Mitigation, including renewable energy
America	7 000 000,00	9 296 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Water resources policy and administrative management Regional Project of Watershed and Coastal Management in the context of Climate Change in Latin America and Caribbean (WATERCLIMA-LAC)
Bilateral, non allocated	2 800 000,00	3 718 400,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	2012-2013 ENRTP: The projects under this title concentrate on challenges associated with rapidly degrading key ecosystems, the links between forests and climate change and efforts to improve forest governance and combat illegal logging and associated trade. Priorities include REDD+ Actions and good governance in forest and climate policies. Geographical scope: Africa
Ghana	2 800 000,00	3 718 400,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Ghana - Natural Resource and Environmental Governance (NREG) SPSP
Africa	6 750 000,00	8 964 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Environmental policy and administrative management Project FLEUVE: Local Environmental Front for a Green Union
Bilateral, non allocated	6 500 000,00	8 632 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Capacity building for CO2 mitigation from international aviation.
Lebanon	2 400 000,00	3 187 200,00	Committed	ODA	Grant	Mitigation	water and sanitation	Basic drinking water supply and basic sanitation Stimulating Sustainable Growth and Job Opportunities in Lebanon
Africa - North Sahara, regional	6 000 000,00	7 968 000,00	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management Sustainable Electricity for the Mediterranean
Madagascar	2 400 000,00	3 187 200,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural development Improved Food Security and increase in agricultural revenue (ASARA)
Djibouti	2 400 000,00	3 187 200,00	Committed	ODA	Grant	Adaptation	agriculture	Livestock Supporting Horn of Africa's Resilience - Securing Pastoral Systems (PSSP) in Djibouti
Haiti	6 000 000,00	7 968 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management GCCA — Support for the consideration of climate change in the national development of Haiti
Asia	2 200 000,00	2 921 600,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management SWITCH-Asia Policy Support Component
Europe	2 200 000,00	2 921 600,00	Committed	ODA	Grant	Adaptation	other	Disaster prevention and preparedness Prevention Preparedness and Response to natural and man-made Disasters in EaP East - PPRD East II
Ethiopia	2 120 000,00	2 815 360,00	Committed	ODA	Grant	Adaptation	cross-cutting	Food aid/food security programmes Support to the productive safety net programme of Ethiopia (PSNP)
Jordan	5 000 000,00	6 640 000,00	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources Renewable Energy and Energy Efficiency Programme in Jordan
Congo (Democratic Republic of the)	2 000 000,00	2 656 000,00	Committed	ODA	Grant	Mitigation	energy	Electrical transmission/ distribution Electrification Project Goma, DRC
Liberia	2 000 000,00	2 656 000,00	Committed	ODA	Grant	Cross-cutting	forestry	Forestry policy and administrative management Support to VPA implementation in Liberia
Europe	5 000 000,00	6 640 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Environment and Climate Regional Accession Network (ECRAN)
Tunisia	2 000 000,00	2 656 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Support to local environmental governance of industrial activity in Gabes.
South America	2 000 000,00	2 656 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Bio-diversity Support to the implementation of the Amazon Conservation Vision
Bhutan	1 840 000,00	2 443 520,00	Committed	ODA	Grant	Adaptation	cross-cutting	Agricultural policy and administrative management Technical Cooperation Project in support of the Renewable Natural Resources

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								Sector Bhutan
Africa - South Sahara, regional	1 600 000,00	2 124 800,00	Committed	ODA	Grant	Adaptation	agriculture	Water resources policy and administrative management Water for growth and poverty reduction in the Mekrou transboundary river basin
Oceania	1 600 000,00	2 124 800,00	Committed	ODA	Grant	Adaptation	cross-cutting	Democratic participation and civil society Strengthening Non State Actor Engagement in Regional Policy Development
Jordan	4 000 000,00	5 312 000,00	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources Capacity-Building in Wind Energy and Concentrating Solar Power (CSP) in Jordan
Bilateral, non allocated	1 600 000,00	2 124 800,00	Committed	ODA	Grant	Mitigation	forestry	Forestry policy and administrative management Independent timber Market Monitoring: analysis of the reception of FLEGT licensed timber on the EU market as framed by FLEGT Voluntary Partnership Agreements
Maldives	4 000 000,00	5 312 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Good Governance in the areas of Climate Change and Drugs in the Maldives 2011 - 2013
Mauritania	4 000 000,00	5 312 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management GCCA - Mauritanie
Myanmar	4 000 000,00	5 312 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Myanmar Climate Change Alliance
Haiti	1 450 000,00	1 925 600,00	Committed	ODA	Grant	Mitigation	cross-cutting	Trade facilitation Binational cooperation programme: support for binational cooperation in the areas of trade, environment and local cross-border development
Europe	1 425 902,80	1 893 598,92	Committed	ODA	Grant	Mitigation	cross-cutting	Multisector aid CBC - Black Sea Basin - Tranche 2008
Congo (Democratic Republic of the)	1 344 000,00	1 784 832,00	Committed	ODA	Grant	Mitigation	forestry	Bio-diversity Support national conservation policy and forest and biodiversity management
Kiribati	1 320 000,00	1 752 960,00	Committed	ODA	Grant	Adaptation	water and sanitation	Basic drinking water supply and basic sanitation Water and sanitation in Kiribati Outer Islands - Phase II
Bilateral, non allocated	1 300 000,00	1 726 400,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural financial services Platform for Agricultural Risk Management - PARM
Asia	1 280 000,00	1 699 840,00	Committed	ODA	Grant	Mitigation	industry	Industrial development SWITCH Asia – Access to Finance for Sustainable Consumption and Production
Tanzania	1 200 000,00	1 593 600,00	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources Zanzibar Renewable Energies and Ennergy Efficiency
Bilateral, non allocated	3 000 000,00	3 984 000,00	Committed	ODA	Grant	Cross-cutting	industry	Environmental policy and administrative management Maximising the climate benefits of the HCFC phase-out
Comoros	3 000 000,00	3 984 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management GCCA - Support programme to the Union of Comoros to strengthen resilience to climate change
Djibouti	3 000 000,00	3 984 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management GCCA Djibouti
Sao Tome and Principe	3 000 000,00	3 984 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management GCCA - Reduction of climate vulnerability in São Tomé et Príncipe
Cook Islands	1 020 000,00	1 354 560,00	Committed	ODA	Grant	Cross-cutting	water and sanitation	Water supply and sanitation - large systems Cook Islands Sanitation Sector Reform Contract
Macedonia (Former Yugoslav Republic of)	2 185 000,00	2 901 680,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management SF - Environment and Climate Change
Samoa (Occidental)	865 200,00	1 148 985,60	Committed	ODA	Grant	Adaptation	water and sanitation	Water resources policy and administrative management Fiji-Samoa-Water and Sanitation Sector Policy Support Programme Phase II & MDG Initiative
Turkey	2 149 000,00	2 853 872,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Capacity Building on the European Pollutant Release and Transfer Register (E_PRTR) in Turkey
Central Asia	2 000 000,00	2 656 000,00	Committed	ODA	Grant	Cross-cutting	water and sanitation	Water resources policy and administrative management Regional coordination and support for the EU-CA enhanced regional coopeartion on Environment and Water: WECOOP II
Bolivia	800 000,00	1 062 400,00	Committed	ODA	Grant	Adaptation	water and sanitation	Basic drinking water supply and basic sanitation Support programme for the sector development plan for the basic sanitation of rural areas
Bilateral, non allocated	800 000,00	1 062 400,00	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management Support to Sustainable Energy for all activities via the Investment Facility for Central Asia, the Neighbourhood Investment Facility, the Asia Investment Facility, the Latin America Investment Facility and the Technical Assistance Facility

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
Macedonia (Former Yugoslav Republic of)	800 000,00	1 062 400,00	Committed	ODA	Grant	Cross-cutting	water and sanitation	Agricultural water resources Development of small-scale irrigation
Albania	800 000,00	1 062 400,00	Committed	ODA	Grant	Mitigation	cross-cutting	Small and medium-sized enterprises (sme) development EBRD small business instruments - Enterprise Growth Programme and Business Advisory Services
Europe	800 000,00	1 062 400,00	Committed	ODA	Grant	Cross-cutting	other	Flood prevention/control Prevention, preparedness and response to floods in the Western Balkans and Turkey
Guinea-Bissau	600 000,00	796 800,00	Committed	ODA	Grant	Mitigation	water and sanitation	Basic drinking water supply and basic sanitation Support project for the water sector and solar village water PAE-HVS 10EME FED
America	1 450 000,00	1 925 600,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management EUROCLIMA - Second phase
Marshall Islands	420 000,00	557 760,00	Committed	ODA	Grant	Mitigation	energy	Solar energy North Pacific ACP Renewable Energy and Energy Efficiency Programme (North Rep)
Albania	340 000,00	451 520,00	Committed	ODA	Grant	Adaptation	cross-cutting	Democratic participation and civil society Cross-border co-operation programme Albania - Montenegro (2013 - AL part)
Central African Republic	320 000,00	424 960,00	Committed	ODA	Grant	Mitigation	cross-cutting	Bio-diversity Support the national policy for security reform and support to ZCV
Albania	240 000,00	318 720,00	Committed	ODA	Grant	Adaptation	cross-cutting	Democratic participation and civil society Cross-border Co-operation Programme Albania - Kosovo (2013 - AL part)
Malaysia	200 000,00	265 600,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Switch Asia - Policy support component Malaysia
Niue	120 000,00	159 360,00	Committed	ODA	Grant	Mitigation	energy	Solar energy Renewable Energy and Energy Efficiency for Niue
Bilateral, non allocated	93 060,40	123 584,21	Committed	ODA	Grant	Mitigation	forestry	Forestry policy and administrative management Establishment of a forestry research network for ACP countries
Tanzania / EIB	2 600 000,00	3 452 800,00	Committed	other	other	Mitigation	forestry	Fund targeting forestry assets mainly in Europe
Indonesia / EIB	3 400 000,00	4 515 200,00	Committed	other	other	Mitigation	forestry	Fund targeting forestry assets mainly in Europe
Brazil / EIB	3 000 000,00	3 984 000,00	Committed	other	other	Mitigation	forestry	Fund targeting forestry assets mainly in Europe
Ukraine / EIB	3 000 000,00	3 984 000,00	Committed	other	other	Mitigation	forestry	Fund targeting forestry assets mainly in Europe
India / EIB	150 000 000,00	199 200 000,00	Committed	other	other	Mitigation	energy	Framework Loan supporting renewable energy and energy efficiency investment projects that contribute to climate change mitigation.
Nepal / EIB	62 293 881,00	82 726 273,97	Committed	other	other	Mitigation	energy	The project comprises the construction and operation of a 140 MW storage hydroelectric power scheme and its interconnection to the national grid. It is designed to help meet peak electricity demand in Nepal during the dry winter months and to operate as a baseload plant during the remainder of the year. In addition, it will provide an alternative to expensive fossil-fuel based power generation with cleaner energy, help stabilise Nepal's power supply system and reduce transmission losses.
Armenia / EIB	5 000 000,00	6 640 000,00	Committed	other	other	Mitigation	transport	Emergency investments in Yerevan Metro, covering immediate rehabilitation needs, including security upgrades.
Turkey / EIB	200 000 000,00	265 600 000,00	Committed	other	other	Mitigation	transport	Construction of 478 km of double track electrified railway high speed line for passenger traffic between Gebze (44 km east of Istanbul) and Ankara– Tranche B
Africa - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Africa - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Africa - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Africa - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Africa - Regional / EIB	6 000 000,00	7 968 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Asia - Regional / EIB	500 000,00	664 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Asia - Regional / EIB	500 000,00	664 000,00	Committed	other	other	Mitigation	forestrv	Innovative pilot fund for forest based carbon and other environmentally certified

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Asia - Regional / EIB	500 000,00	664 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Asia - Regional / EIB	500 000,00	664 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Asia - Regional / EIB	3 000 000,00	3 984 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Latin America - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Latin America - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Latin America - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Latin America - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Latin America - Regional / EIB	1 000 000,00	1 328 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Latin America - Regional / EIB	6 000 000,00	7 968 000,00	Committed	other	other	Mitigation	forestry	Innovative pilot fund for forest based carbon and other environmentally certified credits, aiming to protect the environment and reduce carbon emissions through sustainable land use and conservation of primary forest.
Turkey / EIB	50 000 000,00	66 400 000,00	Committed	other	other	Mitigation	energy	Framework loan to support Energy Efficiency projects, and to a lesser extent, Renewable Energy projects, across Turkey in co-financing with EBRD.
India / EIB	12 000 000,00	15 936 000,00	Committed	other	other	Mitigation	energy	Framework Loan supporting renewable energy and energy efficiency investments that contribute to climate change mitigation. The operation is expected to finance mainly wind, solar, hydropower and high efficiency cogeneration projects.
India / EIB	12 000 000,00	15 936 000,00	Committed	other	other	Mitigation	energy	Framework Loan supporting renewable energy and energy efficiency investments that contribute to climate change mitigation. The operation is expected to finance mainly wind, solar, hydropower and high efficiency cogeneration projects.
India / EIB	12 000 000,00	15 936 000,00	Committed	other	other	Mitigation	energy	Framework Loan supporting renewable energy and energy efficiency investments that contribute to climate change mitigation. The operation is expected to finance mainly wind, solar, hydropower and high efficiency cogeneration projects.
India / EIB	4 000 000,00	5 312 000,00	Committed	other	other	Mitigation	energy	Framework Loan supporting renewable energy and energy efficiency investments that contribute to climate change mitigation. The operation is expected to finance mainly wind, solar, hydropower and high efficiency cogeneration projects.
Turkey / EIB	99 388 379,00	131 987 767,31	Committed	other	other	Mitigation	energy	The proposed facility is a Framework Loan to finance renewable energy and energy efficiency projects in Turkey.
Central America - Regional / EIB	148 793 750,00	197 598 100,00	Committed	other	other	Mitigation	energy	The Framework Loan will support renewable energy and energy efficiency projects in Honduras, Nicaragua, El Salvador, Guatemala, Costa Rica and Panama. The majority of the projects are expected to be hydropower, wind, geothermal and photovoltaic.
Central America - Regional / EIB	17 456 250,00	23 181 900,00	Committed	other	other	Mitigation	energy	The Framework Loan will support renewable energy and energy efficiency projects in Honduras, Nicaragua, El Salvador, Guatemala, Costa Rica and Panama. The majority of the projects are expected to be hydropower, wind, geothermal and photovoltaic.
Central America - Regional / EIB	8 750 000,00	11 620 000,00	Committed	other	other	Mitigation	energy	The Framework Loan will support renewable energy and energy efficiency projects in Honduras, Nicaragua, El Salvador, Guatemala, Costa Rica and Panama. The majority of the projects are expected to be hydropower, wind, geothermal and photovoltaic.
Ukraine / EIB	152 000 000,00	201 856 000,00	Committed	other	other	Mitigation	transport	The project consist of extending the existing metro line in Dnipropetrovsk by 4.0 kilometres and adding 3 stations. This would bring the metro service to the city centre to serve areas of high urban density and activity.
South Africa / EIB	110 000 000,00	146 080 000,00	Committed	other	other	Mitigation	energy	The project concerns the construction and operation of a greenfield concentrated solar power (CSP) plant with 100 MW of installed power generating capacity.
South Africa / EIB	120 000 000,00	159 360 000,00	Committed	other	other	Mitigation	energy	Framework loan to be made available to several financial intermediaries for the

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								funding of affordable and social housing projects and associated urban infrastructure, including social amenities, throughout South Africa.
Sri Lanka / EIB	8 100 000,00	10 756 800,00	Committed	other	other	Mitigation	energy	Global loan to finance SMEs (about 70% of the GL) and renewable energy and energy efficiency investments (about 30% of the total) in Sri Lanka
Sri Lanka / EIB	18 900 000,00	25 099 200,00	Committed	other	other	Mitigation	energy	Global loan to finance SMEs (about 70% of the GL) and renewable energy and energy efficiency investments (about 30% of the total) in Sri Lanka
Bangladesh / EIB	82 000 000,00	108 896 000,00	Committed	other	other	Mitigation	energy	The project consists of the conversion of 3 natural gas fired open cycle power units to combined cycle mode of operation by the addition of heat recovery boilers and steam turbines. The conversion will result in efficiency improvements of the order of 75% and capacity increase of a 50% order, without any increase in the amount of fuel used.
Pakistan / EIB	100 000 000,00	132 800 000,00	Committed	other	other	Mitigation	energy	Keyal Khwar Hydropower comprises a medium-sized (122 MW) run-of-river hydropower plant with a small 1.5 ha reservoir for daily regulation (dam height of 38m). It is located on a tributary of the Indus River in northern Pakistan. This operation is proposed for co-financing with KfW as Lead Financier under the Mutual Reliance Initiative (MRI).
Jordan / EIB	52 958 900,00	70 329 419,20	Committed	other	other	Mitigation	energy	The project concerns the development, construction and operation of a 117 MW wind farm as well as the associated electrical facilities in the Tafila Governorate in Jordan. This is the first large on-shore wind farm in Jordan and thus it will contribute defining the framework for the future development of this sector in Jordan.
Costa Rica / EIB	51 786 639,00	68 772 656,59	Committed	other	other	Mitigation	energy	The project consists of the extension of a geothermal power plant in Costa Rica.
Turkey / EIB	75 000 000,00	99 600 000,00	Committed	other	other	Cross-cutting	forestry	Supporting forest rehabilitation, afforestation and erosion control activities in Turkey during the period 2014-15 through the Ministry of Forestry and Water Works.
Turkey / EIB	75 000 000,00	99 600 000,00	Committed	other	other	Cross-cutting	forestry	Supporting forest rehabilitation, afforestation and erosion control activities in Turkey during the period 2014-15 through the Ministry of Forestry and Water Works.
Albania / EIB	1 875 000,00	2 490 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Macedonia (Former Yugoslav Republic of) / EIB	625 000,00	830 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Montenegro / EIB	1 250 000,00	1 660 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Serbia / EIB	2 500 000,00	3 320 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Turkey / EIB	2 500 000,00	3 320 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Bosnia and Herzegovina / EIB	1 250 000,00	1 660 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Armenia / EIB	3 750 000,00	4 980 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Azerbaijan / EIB	1 250 000,00	1 660 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Georgia / EIB	3 750 000,00	4 980 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Moldova, Republic of / EIB	1 250 000,00	1 660 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Ukraine / EIB	2 500 000,00	3 320 000,00	Committed	other	other	Mitigation	energy	Increase of EIB investment in the Green for Growth Fund, targeting energy efficiency and smaller renewable energy investments within the South-Eastern Europe region and in the Eastern Neighbourhood region.
Africa - Regional / EIB	3 030 000,00	4 023 840,00	Committed	other	other	Mitigation	energy	The Global Energy Efficiency and Renewable Energy Fund ("GEEREF") is an emerging market infrastructure fund-of-funds. GEEREF invests in funds that target projects and companies involved in energy efficiency and renewable energy which enhance access to clean energy in developing countries and

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								economies in transition. Geographical focus is Sub-Saharan Africa; East and South Asia as well as the Pacific; non-EU Eastern Europe, Russia and Central Asia; Latin America and the Caribbean; Middle East and North Africa. GEEREF is advised by EIF with EIB acting as sub-adviser.
Asia - Regional / EIB	3 030 000,00	4 023 840,00	Committed	other	other	Mitigation	energy	The Global Energy Efficiency and Renewable Energy Fund ("GEEREF") is an emerging market infrastructure fund-of-funds. GEEREF invests in funds that target projects and companies involved in energy efficiency and renewable energy which enhance access to clean energy in developing countries and economies in transition. Geographical focus is Sub-Saharan Africa; East and South Asia as well as the Pacific; non-EU Eastern Europe, Russia and Central Asia; Latin America and the Caribbean; Middle East and North Africa. GEEREF is advised by EIF with EIB acting as sub-adviser.
Latin America - Regional / EIB	3 030 000,00	4 023 840,00	Committed	other	other	Mitigation	energy	The Global Energy Efficiency and Renewable Energy Fund ("GEEREF") is an emerging market infrastructure fund-of-funds. GEEREF invests in funds that target projects and companies involved in energy efficiency and renewable energy which enhance access to clean energy in developing countries and economies in transition. Geographical focus is Sub-Saharan Africa; East and South Asia as well as the Pacific; non-EU Eastern Europe, Russia and Central Asia; Latin America and the Caribbean; Middle East and North Africa. GEEREF is advised by EIF with EIB acting as sub-adviser.
Eastern Europe, Russia, South Caucasus - Regional / EIB	1 010 000,00	1 341 280,00	Committed	other	other	Mitigation	energy	The Global Energy Efficiency and Renewable Energy Fund ("GEEREF") is an emerging market infrastructure fund-of-funds. GEEREF invests in funds that target projects and companies involved in energy efficiency and renewable energy which enhance access to clean energy in developing countries and economies in transition. Geographical focus is Sub-Saharan Africa; East and South Asia as well as the Pacific; non-EU Eastern Europe, Russia and Central Asia; Latin America and the Caribbean; Middle East and North Africa. GEEREF is advised by EIF with EIB acting as sub-adviser.
Tanzania / EIB	22 500 000,00	29 880 000,00	Committed	other	other	Adaptation	water and sanitation	The project consists of the extension and upgrading of water supply and sanitation in Mwanza and satellite towns, including peri-urban sanitation, as well as sanitation in the towns of Musoma and Bukoba.
Kazakhstan / EIB	14 250 000,00	18 924 000,00	Committed	other	other	Mitigation	energy	A dedicated EIB loan to finance projects promoted by SMEs and Mid-Caps in Kazakhstan. Projects in fields considered as priority under the Mandate (i.e. local private sector development, development of social and economic infrastructure, and climate change mitigation and adaptation) carried out by eligible promoters of any size can also be funded, provided that financing thereto does not exceed 30% of the overall EIB loan amount.
Kazakhstan / EIB	14 250 000,00	18 924 000,00	Committed	other	other	Mitigation	energy	A dedicated EIB loan to finance projects promoted by SMEs and Mid-Caps in Kazakhstan. Projects in fields considered as priority under the Mandate (i.e. local private sector development, development of social and economic infrastructure, and climate change mitigation and adaptation) carried out by eligible promoters of any size can also be funded, provided that financing thereto does not exceed 30% of the overall EIB loan amount.
Kazakhstan / EIB	35 000 000,00	46 480 000,00	Committed	other	other	Mitigation	energy	A dedicated EIB loan to finance projects promoted by SMEs and Mid-Caps in Kazakhstan. Projects in fields considered as priority under the Mandate (i.e. local private sector development, development of social and economic infrastructure, and climate change mitigation and adaptation) carried out by eligible promoters of any size can also be funded, provided that financing thereto does not exceed 30% of the overall EIB loan amount.
Kazakhstan / EIB	14 250 000,00	18 924 000,00	Committed	other	other	Mitigation	energy	A dedicated EIB loan to finance projects promoted by SMEs and Mid-Caps in Kazakhstan. Projects in fields considered as priority under the Mandate (i.e. local private sector development, development of social and economic infrastructure, and climate change mitigation and adaptation) carried out by eligible promoters of any size can also be funded, provided that financing thereto does not exceed 30% of the overall EIB loan amount.
Kazakhstan / EIB	35 000 000,00	46 480 000,00	Committed	other	other	Mitigation	energy	A dedicated EIB loan to finance projects promoted by SMEs and Mid-Caps in Kazakhstan. Projects in fields considered as priority under the Mandate (i.e. local private sector development, development of social and economic infrastructure, and climate change mitigation and adaptation) carried out by eligible promoters of any size can also be funded, provided that financing thereto does not exceed 30% of the overall EIB loan amount.
Kazakhstan / EIB	14 250 000,00	18 924 000,00	Committed	other	other	Mitigation	energy	A dedicated EIB loan to finance projects promoted by SMEs and Mid-Caps in Kazakhstan. Projects in fields considered as priority under the Mandate (i.e. local private sector development, development of social and economic infrastructure, and climate change mitigation and adaptation) carried out by eligible promoters of any size can also be funded, provided that financing

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								thereto does not exceed 30% of the overall EIB loan amount.
Morocco / EIB	200 000 000,00	265 600 000,00	Committed	other	other	Mitigation	energy	Development of three wind farms as part of Phase II of the Integrated Wind Turbine Programme of the national office for electricity and portable water (ONEE) on the sites of Tanger II (150 MW), Midelt (100 MW) and Jbel Lahdid (Essaouira - 200 MW)

9. CTF table 7b: Provision of public financial support: contribution through bilateral, regional and other channels in 2014

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
Bilateral, non allocated	106 120 000,00	140 715 120,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid Contribution from the 2014 General EU Budget to the NIF (Neighbourhood Investment Facility) SOUTH
Bilateral, non allocated	41 634 360,63	55 207 162,20	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid Contribution 2014 to the NIF (Neighbourhood Investment Facility) for the EAST
Turkey	26 160 000,00	34 688 160,00	Committed	ODA	Grant	Mitigation	transport	Transport policy and administrative management Sustainable and safe transport
West Bank and Gaza Strip	15 000 000,00	19 890 000,00	Committed	ODA	Grant	Adaptation	water and sanitation	Sanitation - large systems Hebron Wastewater Treatment Plant (HWWTP)
Jordan	5 000 000,00	6 630 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Public sector policy and administrative management Support to the response to the Syria crisis in Jordan
Georgia	4 800 000,00	6 364 800,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural development ENPARD Georgia Topup
Europe	2 800 000,00	3 712 800,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Implementation of the Shared Environmental Information System principles and practices in the Eastern Partnership countries (SEIS East)
Africa	29 940 696,80	39 701 363,96	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources GPGC – Delivering access to modern, affordable and sustainable energy/renewable energy to 6 million people
Bilateral, non allocated	2 099 457,08	2 783 880,09	Committed	ODA	Grant	Mitigation	cross-cutting	Urban development and management Non-substantial modifications of Commission Implementing Decision C(2013)5300 on the ENPI East Regional Action Programme 2013
Serbia	24 800 000,00	32 884 800,00	Committed	ODA	Grant	Cross-cutting	other	Flood prevention/control Flood recovery and prevention
Turkey	12 548 000,00	16 638 648,00	Committed	ODA	Grant	Adaptation	water and sanitation	Water supply and sanitation - large systems
Bilateral, non allocated	65 000 000,00	86 190 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Food aid/food security programmes Pro-Resilience Action (PRO-ACT): building resilience through crisis prevention and post-crisis response strategy
Zambia	25 600 000,00	33 945 600,00	Committed	ODA	Grant	Mitigation	energy	Hydro-electric power plants Kariba Dam Rehabilitation
Africa - North Sahara, regional	1 866 250,00	2 474 647,50	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management Additional contribution to the project Energy Efficiency in the Construction Sector (MED ENEC II)
Philippines	60 000 000,00	79 560 000,00	Committed	ODA	Grant	Cross-cutting	energy	Energy policy and administrative management Access to Sustainable Energy in the Philippines
Europe	1 200 000,00	1 591 200,00	Committed	ODA	Grant	Mitigation	cross-cutting	Energy policy and administrative management Regional energy technical assistance project, working in the domains of electricity and gas, energy efficiency and sustainable energy, as well as energy statistics. Action location is Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.
Europe	1 200 000,00	1 591 200,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Sectors not specified CLIMA East: Supporting Climate Change Mitigation and Adaptation in ENP East countries and Russia
Serbia	4 000 000,00	5 304 000,00	Committed	ODA	Grant	Cross-cutting	other	Flood prevention/control Regional reconstruction and improvement of flood protection infrastructure in the Sava River Basin- Serbia part

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
Tajikistan	14 000 000,00	18 564 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Rural development Rural Development Programme I to Tajikistan
Montenegro	1 656 000,00	2 195 856,00	Committed	ODA	Grant	Mitigation	transport	Rail transport Rehabilitation of the railway section Kos-trebesica
Burundi	12 200 000,00	16 177 200,00	Committed	ODA	Grant	Mitigation	energy	Power generation/renewable sources Amenagements hydroelectriques de Jiji et Mulembwe
Honduras	12 000 000,00	15 912 000,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural development Food Security, Nutrition and Resilience in the Dry Corridor (EUROSAN)
America	12 000 000,00	15 912 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Multisector aid Latin American Investment Facility 2014 - LAIF
Montenegro	760 000,00	1 007 760,00	Committed	ODA	Grant	Adaptation	cross-cutting	Environmental policy and administrative management Implementation of the Water Framework Directive and optimisation of the water supply
Turkey	596 000,00	790 296,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Environmental management for sustainable development
Asia	10 400 000,00	13 790 400,00	Committed	ODA	Grant	Mitigation	cross-cutting	Multisector aid Asian Investment Facility
Europe	560 000,00	742 560,00	Committed	ODA	Grant	Adaptation	cross-cutting	Multisector aid Cross-Border Cooperation Programme Serbia-Bosnia and Herzegovina
Bilateral, non allocated	10 000 000,00	13 260 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Food aid/food security programmes Resilience oriented information systems for improved decision making
Europe	476 000,00	631 176,00	Committed	ODA	Grant	Adaptation	cross-cutting	Multisector aid IPA II Cross-Border Co-operation Action Programme Montenegro-Albania for the year 2014
Asia	9 082 849,20	12 043 858,04	Committed	ODA	Grant	Mitigation	industry	Industrial development Switch Asia II - Promoting sustainable Consumption and Production
Bilateral, non allocated	8 441 196,00	11 193 025,90	Committed	ODA	Grant	Adaptation	agriculture	Agricultural policy and administrative management FIRST : Food security Impact, Resilience, Sustainability, Transformation
Uzbekistan	8 000 000,00	10 608 000,00	Committed	ODA	Grant	Adaptation	water and sanitation	Water resources policy and administrative management Integrated Management of Water Resources in rural areas in Uzbekistan
Bilateral, non allocated	8 000 000,00	10 608 000,00	Committed	ODA	Grant	Adaptation	agriculture	Agricultural research Putting Research into Use for Nutrition, Sustainability and Resilience (PRUNSAR)
East Asia	8 000 000,00	10 608 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid Enhanced Regional EU-ASEAN Dialogue Initiative
Europe	336 000,00	445 536,00	Committed	ODA	Grant	Adaptation	cross-cutting	Multisector aid Cross-Border Cooperation Programme Serbia-Montenegro
Bilateral, non allocated	15 000 000,00	19 890 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Support to the NAMA Facility
Bilateral, non allocated	5 200 000,00	6 895 200,00	Committed	ODA	Grant	Mitigation	forestry	Forestry policy and administrative management FAO Forest Law Enforcement, Governance, and Trade Trust Fund
Bolivia	4 800 000,00	6 364 800,00	Committed	ODA	Grant	Adaptation	water and sanitation	Basic drinking water supply and basic sanitation Avenant au programme PASAP
Bilateral, non allocated	12 000 000,00	15 912 000,00	Committed	ODA	Grant	Mitigation	forestry	Forestry policy and administrative management Additional contribution to the Forest Carbon Partnership Facility - Readiness Fund
Niger	11 000 000,00	14 586 000,00	Committed	ODA	Grant	Adaptation	agriculture	Rural development Climate resilience for a sustainable agricultural development / PARC-DAD
Bilateral, non allocated	10 000 000,00	13 260 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Capacity Building for Climate Mitigation in the Maritime Shipping Industry
South Asia	10 000 000,00	13 260 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Disaster prevention and preparedness EU-South Asia Capacity building for Disaster Risk Management
Africa	3 200 000,00	4 243 200,00	Committed	ODA	Grant	Mitigation	transport	Transport policy and administrative management EU-Africa Partnership on Infrastructure Support to Africa Transport Policy Programme (SSATP) - Development Plan 2014-2018 (SSATP DP3)
Africa	8 000 000,00	10 608 000,00	Committed	ODA	Grant	Mitigation	energy	Energy policy and administrative management Global Public Goods And Challenges 2014-2020 – Sustainable Energy - Building Partnerships
Nicaragua	3 200 000,00	4 243 200,00	Committed	ODA	Grant	Adaptation	cross-cutting	Multisector aid Nicaragua Technical Assistance Support (NITA-SUPPORT)
Bilateral, non allocated	6 330 000,00	8 393 580,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Multisector aid

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								Global Climate Change Alliance+ Support Facility
Cambodia	6 000 000,00	7 956 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Cambodia Climate Change Alliance (CCCA)
Bilateral, non allocated	2 000 000,00	2 652 000,00	Committed	ODA	Grant	Adaptation	cross-cutting	Population policy and administrative management Migrants in Countries in Crisis: Supporting an evidence based approach for effective and cooperative state action
Peru	5 000 000,00	6 630 000,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Strengthening climate governance – support for COP 20 Lima
Africa - South Sahara, regional	2 000 000,00	2 652 000,00	Committed	ODA	Grant	Mitigation	forestry	Bio-diversity Central Africa World Heritage Forest Initiative - CAWHFI (phase II)
Rwanda	1 600 000,00	2 121 600,00	Committed	ODA	Grant	Adaptation	cross-cutting	Environmental policy and administrative management Sector Reform Contract (SRC) to promote climate-proof investments by farmers through improved land administration and land use monitoring capacities at central and local government level
Guinea-Bissau	1 600 000,00	2 121 600,00	Committed	ODA	Grant	Adaptation	agriculture	Rural development Actions Collectives et Territoriales Intégrées pour la Valorisation de l'Agriculture
Europe	4 000 000,00	5 304 000,00	Committed	ODA	Grant	Mitigation	cross-cutting	Disaster prevention and preparedness Special measure for flood recovery and flood risk management - Multi-country part
Uganda	1 200 000,00	1 591 200,00	Committed	ODA	Grant	Mitigation	forestry	Forestry development Sawlog Production Grant Scheme III
Bilateral, non allocated	800 000,00	1 060 800,00	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Technical assistance for the mainstreaming of environmental sustainability, climate change, biodiversity and disaster risk reduction
Oceania	1 900 000,00	2 519 400,00	Committed	ODA	Grant	Adaptation	cross-cutting	Environmental policy and administrative management EU Support to the Global Climate Change Alliance (GCCA) through capacity building, community engagement and applied research in the Pacific - Phase II
Republic of South Sudan	609 300,00	807 931,80	Committed	ODA	Grant	Adaptation	agriculture	Agricultural development South Sudan Rural Development Programme (SORUDEV)
America	420 000,00	556 920,00	Committed	ODA	Grant	Mitigation	cross-cutting	Multisector aid Latin America Investment Facility 2009 - LAIF
Tonga	400 000,00	530 400,00	Committed	ODA	Grant	Cross-cutting	energy	Power generation/renewable sources Sector Reform Contract Energy
Bilateral, non allocated	205 592,00	272 614,99	Committed	ODA	Grant	Cross-cutting	cross-cutting	Environmental policy and administrative management Support measures under GPGC environment and climate change
Mali	270 000,00	358 020,00	Committed	ODA	Grant	Mitigation	cross-cutting	Environmental policy and administrative management Global Climate Change Alliance - Mali
Africa	2 000 000,00	2 652 000,00	Committed	DG CLIMA	Grant	Mitigation	other	MRV project in 2-3 African countries (countries not identified yet)
UNFCCC	3 000 000,00	3 978 000,00	Committed	DG CLIMA	Grant	Cross-cutting	other	Supporting participation of developing countries at UNFCCC
Peru	5 000 000,00	6 630 000,00	Committed	DG CLIMA	Grant	Cross-cutting	other	UNDP trust fund to help government of Peru organise the Lima COP
UNEP	2 000 000,00	2 652 000,00	Committed	DG CLIMA	Grant	Mitigation	other	Development of the climate and clean air coalition working towards the global phase-down of HFCs
UNIDO	1 550 000,00	2 055 300,00	Committed	DG CLIMA	Grant	Mitigation	water and sanitation	Emission reductions in the municipal drinking water and sanitation sectors
OECD	450 000,00	596 700,00	Committed	DG CLIMA	Grant	Cross-cutting	other	OECD climate development research focusing on developing countries
India / EIB	60 000 000,00	79 560 000,00	Committed	other	other	Mitigation	energy	Framework Loan to fund small and medium-scale capital investments in renewable energy and energy efficiency in India
India / EIB	20 000 000,00	26 520 000,00	Committed	other	other	Mitigation	energy	Framework Loan to fund small and medium-scale capital investments in renewable energy and energy efficiency in India
India / EIB	60 000 000,00	79 560 000,00	Committed	other	other	Mitigation	energy	Framework Loan to fund small and medium-scale capital investments in renewable energy and energy efficiency in India
India / EIB	60 000 000,00	79 560 000,00	Committed	other	other	Mitigation	energy	Framework Loan to fund small and medium-scale capital investments in renewable energy and energy efficiency in India
Kenya / EIB	50 000 000,00	66 300 000,00	Committed	oof	non-concessional loan	Mitigation	energy	Construction and operation of a 310 MW wind power plant near Lake Turkana, Kenya
Kenya / EIB	100 000 000,00	132 600 000,00	Committed	oof	non-concessional loan	Mitigation	energy	Construction and operation of a 310 MW wind power plant near Lake Turkana, Kenya

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
Kenya / EIB	50 000 000,00	66 300 000,00	Committed	oda	concessional loan	Mitigation	energy	Construction and operation of a 310 MW wind power plant near Lake Turkana, Kenya
Kenya / EIB	25 000 000,00	33 150 000,00	Committed	oda	concessional loan	Mitigation	energy	Construction and operation of a 310 MW wind power plant near Lake Turkana, Kenya
India / EIB	200 000 000,00	265 200 000,00	Committed	other	other	Mitigation	energy	Framework loan to support renewable energy and energy efficiency investment projects that contribute to climate change mitigation.
Ukraine / EIB	55 000 000,00	72 930 000,00	Committed	other	other	Mitigation	transport	Construction of a new 1.8km double-track tunnel on the pan-European corridor V in South-West Ukraine.
Turkey / EIB	200 000 000,00	265 200 000,00	Committed	other	other	Mitigation	transport	The Project involves the additional financing of the Bosphorus Tunnel Project which consists of a rail tunnel crossing underneath the Bosphorus Strait to link the existing commuter lines on the European and Asian side of Istanbul, a city of 13 m inhabitants. It also includes the upgrading of these existing lines and the procurement of new rolling stock. Once completed, this flagship investment will constitute the first seamless mass transit system in Istanbul to cross the Bosphorus and link the two sides of the city along 76 kms of its southern shores. It will also enable high-speed intercity trains to cross the Bosphorus and reach the heart of the city.
Turkey / EIB	5 000 000,00	6 630 000,00	Committed	other	other	Mitigation	energy	The proposed framework loan would be dedicated to earthquake safety improvements in residential buildings as defined in the Turkish Law on Urban Transformation, and related energy efficiency projects aimed at improving the energy and environmental performance of those buildings.”
Turkey / EIB	5 000 000,00	6 630 000,00	Committed	other	other	Mitigation	energy	The proposed framework loan would be dedicated to earthquake safety improvements in residential buildings as defined in the Turkish Law on Urban Transformation, and related energy efficiency projects aimed at improving the energy and environmental performance of those buildings.”
South Africa / EIB	75 000 000,00	99 450 000,00	Committed	other	other	Mitigation	energy	Implementation and operation of a 100 MW power plant based on an innovative Concentrated Solar thermal Power (CSP) technology.
South Africa / EIB	100 000 000,00	132 600 000,00	Committed	oda	concessional loan	Mitigation	energy	The project concerns the construction and operation of a greenfield concentrated solar power (CSP) plant with 100 MW of installed power generating capacity.
India / EIB	16 500 000,00	21 879 000,00	Committed	other	other	Mitigation	cross-cutting	A dedicated EIB loan to finance investments promoted by SMEs and Mid-Caps in India contributing to private sector development and other priorities under the Mandate such as social and economic infrastructure, and climate change mitigation and adaptation.
Bangladesh / EIB	13 500 000,00	17 901 000,00	Committed	other	other	Adaptation	water and sanitation	The project will develop a new sustainable surface water resource that will contribute to meeting an increasing water demand in Dhaka and enable a reduction in extraction from over-exploited groundwater resources. The project will increase the security of water supply and improve the resilience to adverse impacts from climate change.
Bangladesh / EIB	1 500 000,00	1 989 000,00	Committed	other	other	Adaptation	water and sanitation	The project will develop a new sustainable surface water resource that will contribute to meeting an increasing water demand in Dhaka and enable a reduction in extraction from over-exploited groundwater resources. The project will increase the security of water supply and improve the resilience to adverse impacts from climate change.
Chile / EIB	150 000 000,00	198 900 000,00	Committed	oda	concessional loan	Mitigation	energy	The Framework Loan will support renewable energy projects in Chile.
Bosnia and Herzegovina / EIB	37 500 000,00	49 725 000,00	Committed	other	other	Mitigation	energy	Construction of a 20 MW hydro power plant
Moldova, Republic of / EIB	48 000 000,00	63 648 000,00	Committed	other	other	Cross-cutting	agriculture	Loan to the Republic of Moldova for the upgrading of the horticultural sector.
Burkina Faso / EIB	23 000 000,00	30 498 000,00	Committed	other	other	Mitigation	energy	SONABEL, Burkina's public electricity company wants to install a 30MW solar plant to supply the interconnected network to increase the share of renewable energy in national electricity production and reduce the country's dependence on electricity imports by neighbouring countries
Turkey / EIB	35 000 000,00	46 410 000,00	Committed	other	other	Mitigation	agriculture	The proposed loan aims to co-finance investments in the Turkish agricultural and agribusiness sectors carried out by micro-enterprises, SMEs, Mid-Caps and eligible promoters of any size. The project follows a request of DG AGRI to the Bank to contribute to the implementation of the Instrument for Pre-Accession Instrument for Rural Development (IPARD) in Turkey. The project will be intermediated by Ziraat Bank, a state owned financial intermediary specialized in the agriculture and agribusiness sectors. The project is expected to raise access to credit in rural regions and will complement the absorption of IPARD funds.
Ukraine / EIB	3 000 000,00	3 978 000,00	Committed	other	other	Cross-cutting	agriculture	The proposed investment programme comprises the construction and

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								operation of eight grain elevators, one of which one is integrated to a soya bean crushing and oil extraction plant of 700 t/d of soybeans. The integrated elevator crushing plant and the self standing grain elevators are located on eight different locations in Poltava, Vynnytsia and Khmelnytskyi regions in Ukraine. The total grain storage capacity built is 514,000 t.
Ukraine / EIB	12 000 000,00	15 912 000,00	Committed	other	other	Cross-cutting	agriculture	The proposed investment programme comprises the construction and operation of eight grain elevators, one of which one is integrated to a soya bean crushing and oil extraction plant of 700 t/d of soybeans. The integrated elevator crushing plant and the self standing grain elevators are located on eight different locations in Poltava, Vynnytsia and Khmelnytskyi regions in Ukraine. The total grain storage capacity built is 514,000 t.
Ukraine / EIB	2 000 000,00	2 652 000,00	Committed	other	other	Cross-cutting	agriculture	The proposed investment programme comprises the construction and operation of eight grain elevators, one of which one is integrated to a soya bean crushing and oil extraction plant of 700 t/d of soybeans. The integrated elevator crushing plant and the self standing grain elevators are located on eight different locations in Poltava, Vynnytsia and Khmelnytskyi regions in Ukraine. The total grain storage capacity built is 514,000 t.
Ukraine / EIB	8 000 000,00	10 608 000,00	Committed	other	other	Cross-cutting	agriculture	The proposed investment programme comprises the construction and operation of eight grain elevators, one of which one is integrated to a soya bean crushing and oil extraction plant of 700 t/d of soybeans. The integrated elevator crushing plant and the self standing grain elevators are located on eight different locations in Poltava, Vynnytsia and Khmelnytskyi regions in Ukraine. The total grain storage capacity built is 514,000 t.
Brazil / EIB	200 000 000,00	265 200 000,00	Committed	other	other	Mitigation	transport	The project consists of the acquisition of 73 passenger train sets (EMUs) of eight cars each to increase the performance and capacity of São Paulo's commuter railway lines operated by CPTM (Companhia Paulista de Trens Metropolitanos).
Turkey / EIB	32 450 000,00	43 028 700,00	Committed	oof	non-concessional loan	Mitigation	transport	The project concerns a selection of the promoter's RDI investments aiming at the improvement of fuel efficiency and safety characteristics of motor vehicles, including the development of a new B-plus segment passenger car platform, the development of technology and components for an electric vehicle and of an onboard storage system for gas fuelled vehicles, for longer-term applications.
Turkey / EIB	21 675 000,00	28 741 050,00	Committed	other	other	Mitigation	energy	The loan will finance small to medium sized investments in Turkey in the fields of Renewable Energy, Energy Efficiency and projects that substantially increase the environmental performance of industrial processes.
Tukey / EIB	50 575 000,00	67 062 450,00	Committed	other	other	Mitigation	energy	The loan will finance small to medium sized investments in Turkey in the fields of Renewable Energy, Energy Efficiency and projects that substantially increase the environmental performance of industrial processes.
Turkey / EIB	12 750 000,00	16 906 500,00	Committed	other	other	Mitigation	energy	The loan will finance small to medium sized investments in Turkey in the fields of Renewable Energy, Energy Efficiency and projects that substantially increase the environmental performance of industrial processes.
India / EIB	13 500 000,00	17 901 000,00	Committed	other	other	Mitigation	cross-cutting	A dedicated EIB loan to finance investments promoted by SMEs and Mid-Caps in India contributing to private sector development and other priorities under the Mandate such as social and economic infrastructure, and climate change mitigation and adaptation.
Ukraine / EIB	5 500 000,00	7 293 000,00	Committed	other	other	Adaptation	agriculture	The project involves the construction and operation of an integrated chicken fodder production complex with an annual output capacity of 1300000 t/year. The project will integrate oil seed crushing and grain and sunflower storage with the fodder production. The total capacity of the new grain elevators will be 400,000 m3.
Ukraine / EIB	3 000 000,00	3 978 000,00	Committed	other	other	Adaptation	agriculture	The project involves the construction and operation of an integrated chicken fodder production complex with an annual output capacity of 1300000 t/year. The project will integrate oil seed crushing and grain and sunflower storage with the fodder production. The total capacity of the new grain elevators will be 400,000 m3.
Guinea / EIB	9 600 000,00	12 729 600,00	Committed	other	other	Mitigation	energy	The project scope subject to the Bank's financing is a programme of investments comprising rehabilitation of four hydropower plants (in total 122 MW currently operating at maximum of 75 MW), and rehabilitation and extension of the distribution network in Conakry.
Guinea / EIB	14 400 000,00	19 094 400,00	Committed	other	other	Mitigation	energy	The project scope subject to the Bank's financing is a programme of investments comprising rehabilitation of four hydropower plants (in total 122 MW currently operating at maximum of 75 MW), and rehabilitation

Recipient country/ region/project/programme	Total amount		Status	Funding source	Financial instrument	Type of support	Sector	Additional information
	Climate-specific							
	European euro - EUR	USD						
								and extension of the distribution network in Conakry.
Turkey / EIB	10 000 000,00	13 260 000,00	Committed	other	other	Mitigation	energy	The loan will finance small to medium sized investments in Turkey in the fields of Renewable Energy, Energy Efficiency and projects that substantially increase the environmental performance of industrial processes.
Turkey / EIB	25 500 000,00	33 813 000,00	Committed	other	other	Mitigation	energy	The loan will finance small to medium sized investments in Turkey in the fields of Renewable Energy, Energy Efficiency and projects that substantially increase the environmental performance of industrial processes.
Turkey / EIB	59 500 000,00	78 897 000,00	Committed	other	other	Mitigation	energy	The loan will finance small to medium sized investments in Turkey in the fields of Renewable Energy, Energy Efficiency and projects that substantially increase the environmental performance of industrial processes.
Turkey / EIB	5 000 000,00	6 630 000,00	Committed	other	other	Mitigation	energy	The loan will finance small to medium sized investments in Turkey in the fields of Renewable Energy, Energy Efficiency and projects that substantially increase the environmental performance of industrial processes.
Burundi / EIB	56 700 000,00	75 184 200,00	Committed	other	other	Mitigation	energy	The Jiji and Mulembwe Hydropower Project consists of the construction of two run-of-the-river hydropower plants Jiji (31.5 MW) and Mulembwe (16.5 MW) in southern Burundi as well as an 80 km 110 kV transmission line to evacuate the power to the capital, Bujumbura, which is interconnected at a national and regional level. The project will increase the supply of clean and affordable electricity to the national grid. The project also includes the electrification of rural communities in the vicinity of the power plants.
Burundi / EIB	13 300 000,00	17 635 800,00	Committed	other	other	Mitigation	energy	The Jiji and Mulembwe Hydropower Project consists of the construction of two run-of-the-river hydropower plants Jiji (31.5 MW) and Mulembwe (16.5 MW) in southern Burundi as well as an 80 km 110 kV transmission line to evacuate the power to the capital, Bujumbura, which is interconnected at a national and regional level. The project will increase the supply of clean and affordable electricity to the national grid. The project also includes the electrification of rural communities in the vicinity of the power plants.
Morocco / EIB	50 000 000,00	66 300 000,00	Committed	other	other	Mitigation	energy	Construction and operation of a 150 MW CSP Tower plant under the third phase of the Ouarzazate solar power complex.
Morocco / EIB	100 000 000,00	132 600 000,00	Committed	other	other	Mitigation	energy	Construction and operation of a 200 MW CSP Parabolic trough plant under the second phase of the Ouarzazate solar power complex.

10. CTF table 8: Provision of technology development and transfer support

Measures and activities related to technology transfer	Recipient country and/or region	Targeted area	Sector	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information
REELCOOP - REnewable ELectricity COOperation	Mediterranean Countries	Mitigation	Energy	Public	Private and Public	Implemented	REELCOOP (REnewable ELectricity COOperation) is a EU/FP7 funded project aiming to develop renewable electricity generation technologies and promoting cooperation between EU Partner Countries and Mediterranean Partner Countries, which started in 1 September 2013, with a duration of 4 years. What is REELCOOP (in a nutshell) - Development, construction, testing and demonstration of 3 different renewable electricity systems: a building integrated PV system (ventilated façade), a hybrid (solar/biomass) micro-cogeneration ORC system, and a hybrid concentrating solar / biomass mini-power plant - Organisation of Workshops on Renewable Electricity technologies, open to junior researchers and outside public - Technology transfer and dissemination regarding the developed technologies
EUROSUNMED - EURO- MEDITERRANEAN COOPERATION ON RESEARCH & TRAINING IN SUN BASED RENEWABLE ENERGIES	Egypt and Morocco	Mitigation	Energy	Public	Private and Public	Implemented	EUROSUNMED is a 4-year collaborative project supported by the FP7 Programme of the European Commission. This innovative project is targeting the following objectives: - Developing new technologies in 3 energy field areas, namely photovoltaics, concentrated solar power and grid integration, at the EU research centres, national agencies and SMEs in strong collaboration with MPC universities, research organizations and SMEs from Morocco and Egypt. - Testing innovative components (PV cells/modules, heliostats...) under specific conditions of MPCs (irradiation, hot climate, dust...) - Establishing a strong network between EU and MPCs through exchange of students, senior researchers/engineers for transferring knowledge and technologies.

Measures and activities related to technology transfer	Recipient country and/or region	Targeted area	Sector	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information
							- Disseminating the results of the project through the organization of scientific events open to a large public from universities, engineering schools and stakeholders.
CLUVA - CLimate change and Urban Vulnerability in Africa	Africa	Adaptation	Other (Cross Cutting)	Public	Private and Public	Implemented	The overall objective of the project is to develop methods and knowledge to be applied to African cities to manage climate risks, to reduce vulnerabilities and to improve their coping capacity and resilience towards climate changes. The project will explore the issues of climate change vulnerability, resilience, risk management and adaptation in selected cities in Africa with local case study partners. Activities include: - New downscaled models of climate change - Hazards as a cascade effect of climate changes - Innovative approach to vulnerability assessment and disaster reduction - Innovative multi-risk modelling - Urban planning and governance - Knowledge transfer and capacity building - Merging different approaches
WAHARA - Water Harvesting for Rainfed Africa	Africa	Adaptation	Water and sanitation	Public	Private	Implemented	The main objective of the project is to develop innovative appropriate water harvesting technologies for different geographical regions of rainfed Africa. At least 10 designs of WH technologies adapted to local conditions will be tested. Guidelines will be developed to facilitate stakeholder learning and action about WH technologies in different (biophysical and socioeconomic) conditions.
QWECI - Quantifying Weather and Climate Impacts on Health in Developing Countries	Senegal, Ghana and Malawi	Adaptation	Other (Health)	Public	Private	Implemented	The research aims at giving decision makers the necessary time to deploy intervention methods to help prevent large scale spread of diseases such as Rift Valley Fever and malaria. QWECI will develop and test the methods and technology required for an integrated decision support framework for health impacts of climate and weather.
GPGE - Delivering access to modern, affordable and sustainable energy/renewable energy to 6 million people	Global	Mitigation	Energy	Public	Private	Implemented	All activities financed under this initiative (such as Building/Improving access by installing distribution networks (including mini-/micro-grids); A3. Hybridisation of existing fossil fuel-based generation systems with Renewable Energy Systems and A5. Incorporating Renewable Energy Systems into production methods) will be accompanied by capacity building/training activities (when applicable) to ensure the transfer of know-how to the local business sector and enhance the element of ownership
ClimAfrica - CLIMATE CHANGE PREDICTIONS IN SUB-SAHARAN AFRICA: IMPACTS AND ADAPTATIONS	Africa	Adaptation	Other (Cross Cutting)	Public	Private	Implemented	ClimAfrica is an international project funded (3.5 M€) by European Commission under the 7th Framework Programme for the period 2010-2014. The ClimAfrica consortium is formed by 18 institutions, 9 from Europe, 8 from Africa, and the Food and Agriculture Organization of United Nations (FAO). Project coordinator is the Euro-Mediterranean Centre for Climate Change (Italy). The project's focus is, among others, on the following specific objectives: - Develop improved climate predictions on seasonal to decadal climatic scales, especially relevant to SSA; - Develop a new concept of 10 years monitoring and forecasting warning system, useful for food security, risk management and civil protection in SSA;
MENFRI - Mediterranean Network of Forestry Research and Innovation	Mediterranean countries	Adaptation	Other (Forestry)	Public	Private	Implemented	MENFRI is a discussion and action platform in forestry encouraging scientific and technological collaboration within the Mediterranean. To manage to create a favourable environment for the development of an organized, innovative and job creating business sector in this region while facing climate change, MENFRI will work on the base of three main pillars: - To gather a group of multisectorial stakeholders, experts on their respective domains, as a think tank with the objective of understanding the current situation of the Mediterranean forestry sector and the possibilities and existing barriers to innovation. - To favour the interchange of knowledge through the implementation of training activities on forest management (from traditional techniques to GIS), association, business creation and H2020 on both sides of the Mediterranean - To create a network of Mediterranean forestry related research centres, forest owners, NGOs, SMEs, investors and any other stakeholder in the need of support, ideas or knowledge to carry out initiatives of sustainable development.

Footnote: This table includes details of a non-exhaustive list of selected initiatives implemented in cooperation with developing country partners, with an important technology development and transfer component, which the EU believes are fairly representative of the overall technology development and transfer support provided by the EU.

11. CTF table 9: Provision of capacity-building support

Programme or project title	Recipient country / region	Targeted area	Description of programme or project
Environmentally sound collection, management and destruction of ODS banks in developing countries	Asia-Pacific	Mitigation	This project will foster environmentally sustainable growth in developing countries by providing assistance to collect, transport and destroy ODS. The project will stimulate developing countries to undertake additional actions beyond the requirements of the Montreal Protocol that will achieve additional ozone protection benefits and significant climate change mitigation by collection and destruction of those high-GWP gases.
Regional Project of Watershed and Coastal Management in the context of Climate Change in Latin America and Caribbean (WATERCLIMA-LAC)	Latin America and Caribbean	Adaptation	The specific objective of the project is to contribute to improving watersheds and coastal management, by boosting resilience to the consequences of climate change of LA and Caribbean countries. Training and capacity building activities include: Training and Capacity building: - Strengthen technical capacities to ensure beneficiaries' greater ownership and the empowerment of national and regional expertise and skills - Identify stakeholders selected by national focal points for training. - Identify training programmes and capacity building needs and organise training programmes. - Propose capacity building recommendations for water management organisations.

Programme or project title	Recipient country / region	Targeted area	Description of programme or project
Capacity building for CO2 mitigation from International Aviation	African and Caribbean Countries	Mitigation	This contribution would entail providing support to less developed States in the development of State action plans and assisting specific States to address aviation emissions by implementing capacity building activities that support the development of low carbon air transport. Overall objective: To assist selected States to address aviation emissions by implementing capacity building activities that will support the development of low carbon air transport. Specific objectives: To support less developed countries' (see 2.5 Country Selection Criteria) ability to track, manage and reduce their aviation emissions. Through the support provided, partner countries will be able to develop and submit meaningful State action plans on CO2 emissions reduction activities, as invited by the 2010 ICAO Assembly, establish CO2 emissions inventories, and pilot the implementation of measures to reduce fuel consumption, toward reducing greenhouse gas emissions.
Helix - High-end Climate Impacts and Extremes	Kenya, Senegal, India and Bangladesh	Adaptation	HELIX aims at assisting decision-makers and the research community in making adaptation to our changing climate more understandable and manageable by providing a set of credible, coherent, global and regional views of different worlds at 2, 4 and 6°C, with further focus on delivering the knowledge needs of Northern Sub-Saharan Africa, South Asia and Europe.
Capacity-Building in Wind Energy and Concentrating Solar Power in Jordan - WECS Project	Jordan	Mitigation	The overall objective of this project is to support the rational and sustainable use of alternative energy resources in Jordan. The specific objective of the project is to support the National Energy Research Centre (NERC) to steer and facilitate the implementation of the Jordanian Government Renewable Energy Strategy 2007-2020 by installing and testing a wind testing facility and a Concentrating Solar Power (CSP) pilot plant and by helping the country build up local and regional expertise in the field.
Maximising the climate benefits of HCFC phaseout	West Africa and Pacific Island Countries	Mitigation	The project will assist eight selected developing countries in two sub-regions: West Africa and Pacific Island Countries to assess technology needs, through national surveys and 'technology gap' assessments. This will facilitate obtaining quantifiable emission reductions through technology transfer demonstrations in local refrigeration and air-conditioning enterprises. The project will also provide technical training on the available climate friendly alternative technologies. Country-specific roadmaps to adopt low GWP and non-ozone depleting alternatives will be developed to provide a powerful decision support tool for the participating countries.
Access to Sustainable Energy Programme	Philippines	Mitigation	The specific objective is to generate more electricity from renewable energy, increase efficiency of energy use, and increase access for the poor to affordable, disaster resilient energy. The Programme has a Technical assistance component that will provide: a. Policy advice and administrative streamlining to make the rural electrification more effective. b. Studies and project development support for remote areas, new technologies and business models. c. Capacity building of stakeholders for pro poor electrification through renewable energy.
Impact2C - Objected Impacts under 2C Warming	Maldives, Bangladesh, Sri Lanka, Niger	Adaptation	IMPACT2C enhances knowledge, quantifies climate change impacts, and adopts a clear and logical structure, with climate and impacts modelling, vulnerabilities, risks and economic costs, as well as potential responses, within a pan-European sector based analysis. The project also assesses climate change impacts in some of the world's most vulnerable regions: Bangladesh, Africa (Nile and Niger basins), and the Maldives. IMPACT2C integrates the expertise of top climate scientists, sectoral impact specialists with both physical and economical backgrounds, and local specialists from the regions addressed. The team is made up of 17 nationalities, who have the shared ambition to achieve maximum support to the development of sectoral and cross-sectoral, pan-European strategies aimed at coping with a 2°C global warming, and to support the coping strategies for the three particularly vulnerable world regions.
AU-EU Africa Cluster	Africa	Adaptation	The objective of this cluster are to facilitate exchange of information and knowledge between African and European scientists, stimulate synergies and increase the impact of the projects through coordinated dissemination actions. The water related issues addressed in this cluster are: - Water and irrigated farming systems - Water harvesting - Natural resource management - Drought monitoring, forecasting and adaptation - Waste water treatment by means of biotechnology - Water-related vector-borne diseases
Supporting more ambitious Low-Emission Development pathways in key developing countries by promoting international cooperative initiatives to reduce greenhouse gas emissions through improvements in energy efficiency policies and reforming energy subsidies	Emerging economies and middle income countries	Mitigation	The specific objective of the project is to contribute to improving watersheds and coastal management, by boosting resilience to the consequences of climate change of LA and Caribbean countries. Training and capacity building activities include: Training and Capacity building: - Strengthen technical capacities to ensure beneficiaries' greater ownership and the empowerment of national and regional expertise and skills - Identify stakeholders selected by national focal points for training. - Identify training programmes and capacity building needs and organise training programmes. - Propose capacity building recommendations for water management organisations.
Sustainable Electricity for the Mediterranean	Magrebe Countries	Mitigation	The purpose of the project is to facilitate smooth progress on the Mediterranean Solar Plan in the region, by providing regional support to partner countries that do not benefit from bilateral support to implement the Mediterranean Solar Master Plan
EU-South Asia Capacity building for Disaster Risk Management	South Asia	Adaptation	The main objective of this initiative is to help build resilience of South Asia to risks from hydrological climate-related disasters and to strengthen Disaster Risk Management capacities mainly at regional and national level. 1) Regional and national disaster risk management institutional capacity development Capacity-building will be provided to organisations with a regional mandate, in particular SAARC Disaster Management Centre (SDMC). Capacity building for collaboration and coordination between the SDMC and national agencies will also be provided. This component will also build the capacity of national disaster risk management agencies to enhance their preparedness, contingency planning, and service delivery. In addition this component will, where possible, support the integration of DRR into broader policy and development planning activities, with the potential to leverage larger investments in DRR. 2) Regional and national hydromet institutional capacity development The main objective of this component is to strengthen capacity of (i) regional and national level institutions for weather/flood forecasting/climate prediction and (ii) scale up existing cooperation between national hydrological and meteorological services of the South Asia countries with respect to management of hydro-meteorological risks. Specifically, activities carried out under this component will strengthen the capacity of participating countries and institutions to respond to cross-border water related hazards and climate risks through improved regional cooperation and understanding of actions needed to modernize hydrometeorological monitoring, improve accuracy and lead time for weather and flood forecasting and enhance links with disaster risk management agencies and early warning systems.

Footnote: This table includes details of a non-exhaustive list of selected support initiatives with an important capacity building component, which the EU believes are fairly representative of the overall capacity building support provided by the EU.