

Table 3.1.1 Summary table on GHG emissions trends, per gases

GHG emissions	Base year (1989)	1990	1991	1992	1993	1994	1995	1996	1997
	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)
CO ₂ emissions without net CO ₂ from LULUCF	208,314.33	170,747.62	141,044.14	130,628.30	122,120.28	120,104.28	125,458.82	128,789.65	120,005.11
CO ₂ emissions with net CO ₂ from LULUCF	190,746.51	150,033.00	118,476.30	107,661.50	97,841.13	94,268.09	100,398.51	104,697.78	95,471.62
CH ₄ emissions without CH ₄ from LULUCF	70,195.76	57,237.02	48,537.67	43,931.21	42,381.13	41,727.55	41,951.55	41,838.10	38,874.95
CH ₄ emissions with CH ₄ from LULUCF	70,195.84	57,237.43	48,537.92	43,931.89	42,381.61	41,727.84	41,951.74	41,838.31	38,875.01
N ₂ O emissions without N ₂ O from LULUCF	18,402.29	15,478.14	11,023.02	10,747.58	11,425.77	10,692.42	11,344.97	10,901.72	10,512.71
N ₂ O emissions with N ₂ O from LULUCF	19,643.14	16,809.89	12,405.83	12,178.94	12,902.79	12,212.41	12,905.28	12,499.69	12,145.59
HFCs	0.16	0.18	0.29	0.45	0.73	1.20	2.53	4.72	10.36
PHCs	4,446.00	2,808.43	2,577.81	1,794.74	1,870.78	1,979.03	2,354.07	2,347.88	2,341.19
SF ₆	0.47	0.47	0.52	0.49	0.52	0.74	0.98	1.54	1.41
TOTAL (without LULUCF)	301,359.00	246,271.86	203,183.45	187,102.76	177,799.21	174,505.21	181,112.91	183,883.61	171,745.73
TOTAL (with LULUCF)	285,032.12	226,889.41	181,998.67	165,567.99	154,997.56	150,189.31	157,613.10	161,389.92	148,845.18

Table 3.1.1 Summary table on GHG emissions trends, per gases (continued)

GHG emissions	1998	1999	2000	2001	2002	2003	2004	2005	2006
	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)
CO ₂ emissions without net CO ₂ from LULUCF	103,932.31	88,200.24	92,958.04	98,492.35	98,576.14	103,051.07	101,801.59	99,585.26	102,367.15
CO ₂ emissions with net CO ₂ from LULUCF	77,286.15	62,973.54	68,413.68	73,082.70	76,239.00	81,403.51	81,008.85	77,646.45	80,033.90
CH ₄ emissions without CH ₄ from LULUCF	36,633.17	35,167.55	36,117.73	38,029.41	37,665.15	37,715.37	36,403.59	36,068.39	35,715.81
CH ₄ emissions with CH ₄ from LULUCF	36,633.29	35,167.90	36,121.06	38,030.36	37,668.46	37,716.07	36,403.71	36,068.58	35,716.68
N ₂ O emissions without N ₂ O from LULUCF	9,326.44	8,869.32	9,333.07	9,228.04	8,528.94	9,215.33	10,494.37	10,320.98	9,185.81
N ₂ O emissions with N ₂ O from LULUCF	10,991.62	10,564.16	11,055.79	10,974.19	10,297.38	11,001.74	12,296.73	12,136.81	11,012.62
HFCs	23.88	39.73	70.82	112.87	168.16	228.75	293.93	368.91	484.20
PHCs	2,285.99	2,082.71	1,674.72	1,367.16	985.46	304.54	153.86	95.28	64.06
SF ₆	1.51	1.70	8.68	14.33	12.10	10.54	14.10	15.67	24.13
TOTAL (without LULUCF)	152,203.29	134,361.24	140,163.06	147,244.17	145,935.95	150,525.60	149,161.45	146,454.48	147,841.16
TOTAL (with LULUCF)	127,222.44	110,829.74	117,344.75	123,581.61	125,370.56	130,665.15	130,171.18	126,331.70	127,335.59

Table 3.1.1 Summary table on GHG emissions trends, per gases (continued)

GHG emissions	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change from base year
	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	(%)
CO ₂ emissions without net CO ₂ from LULUCF	106,449.07	103,112.28	86,113.59	82,265.52	88,455.72	85,888.55	76,954.06	77,195.56	78,013.49	-62.55
CO ₂ emissions with net CO ₂ from LULUCF	86,313.98	83,074.11	65,889.86	61,925.86	67,806.55	66,107.12	56,877.26	57,093.25	57,911.19	-69.64
CH ₄ emissions without CH ₄ from LULUCF	34,515.50	33,730.50	32,161.61	30,046.66	29,525.66	30,128.10	29,767.54	29,748.15	29,592.00	-57.84
CH ₄ emissions with CH ₄ from LULUCF	34,518.20	33,731.28	32,162.51	30,046.85	29,526.78	30,129.29	29,768.80	29,749.25	29,593.10	-57.84
N ₂ O emissions without N ₂ O from LULUCF	9,189.75	7,987.46	7,317.08	7,535.11	7,858.60	7,146.12	7,305.79	7,038.28	7,125.64	-61.28
N ₂ O emissions with N ₂ O from LULUCF	11,025.23	9,827.69	9,160.04	9,377.84	9,701.63	8,989.17	9,148.86	8,881.30	8,968.66	-54.34
HFCs	665.63	946.95	924.42	982.46	1,092.14	1,197.29	1,298.44	1,373.08	1,636.76	1,048,162.04
PHCs	28.18	17.87	8.16	9.13	12.72	7.43	6.15	6.34	6.57	-99.85
SF ₆	29.88	33.83	47.03	60.71	47.83	50.76	57.20	51.78	52.27	10,905.29
TOTAL (without LULUCF)	150,878.01	145,828.88	126,571.89	120,899.59	126,992.67	124,418.24	115,389.18	115,413.20	116,426.73	-61.37
TOTAL (with LULUCF)	132,581.10	127,631.72	108,192.02	102,402.84	108,187.64	106,481.05	97,156.71	97,155.02	98,168.54	-65.56

Table 3.1.2 Summary table on GHG emission trends by sectors

GHG emissions	Base year (1989)	1990	1991	1992	1993	1994	1995	1996	1997
	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)
Energy	216,894.83	176,586.28	148,057.33	138,078.71	128,035.01	125,829.53	128,911.88	133,031.28	123,281.70
Industrial processes and product use	41,819.65	30,440.12	22,572.27	19,546.16	20,233.21	20,280.60	23,559.19	22,960.08	21,983.24
Agriculture	37,508.85	34,222.10	27,612.83	24,599.07	24,635.64	23,465.59	23,484.56	22,673.56	21,190.96
LULUCF	-16,326.88	-19,382.45	-21,184.78	-21,534.77	-22,801.65	-24,315.90	-23,499.81	-22,493.69	-22,900.55
Waste	5,135.66	5,023.36	4,941.02	4,878.82	4,895.36	4,929.49	5,157.27	5,218.69	5,289.82
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL (including LULUCF)	285,032.12	226,889.41	181,998.67	165,567.99	154,997.56	150,189.31	157,613.10	161,389.92	148,845.18

Table 3.1.2 Summary table on GHG emission trends by sectors (continued)

GHG emissions	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)
Energy	106,590.06	92,626.73	97,965.04	105,573.45	103,053.40	106,060.71	102,012.38	99,239.57	101,264.56	103,886.92
Industrial processes and product use	19,993.84	17,260.76	18,438.06	17,747.36	18,646.20	19,424.45	21,190.27	21,020.90	20,542.13	20,773.26
Agriculture	20,365.59	19,147.67	18,456.03	18,580.83	18,892.92	19,451.89	20,302.75	20,505.81	20,522.75	20,613.75
LULUCF	-24,980.86	-23,531.50	-22,818.31	-23,662.56	-20,565.39	-19,860.44	-18,990.28	-20,122.78	-20,505.57	-18,296.91
Waste	5,253.80	5,326.08	5,303.93	5,342.53	5,343.43	5,588.54	5,656.04	5,688.19	5,511.72	5,604.08
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL (including LULUCF)	127,222.44	110,829.74	117,344.75	123,581.61	125,370.56	130,665.15	130,171.18	126,331.70	127,335.59	132,581.10

Table 3.1.2 Summary table on GHG emission trends by sectors (continued)

GHG emissions	2008	2009	2010	2011	2012	2013	2014	2015	Change from base year
	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	CO ₂ echiv. (Gg)	%
Energy	102,864.46	89,666.25	84,614.41	90,326.65	88,100.63	80,256.04	79,835.39	80,098.16	63.07
Industrial processes and product use	17,156.38	11,783.82	13,195.00	13,859.61	13,073.74	11,057.81	11,522.48	11,872.23	71.61
Agriculture	20,261.46	19,605.96	17,505.79	17,774.04	17,623.42	18,193.88	18,190.23	18,613.03	50.38
LULUCF	-18,197.16	-18,379.87	-18,496.75	-18,805.03	-17,937.19	-18,232.47	-18,258.18	-18,258.18	-11.83
Waste	5,546.58	5,515.86	5,584.39	5,032.37	5,620.45	5,881.45	5,865.10	5,843.31	-13.78
Other	NA	NA	NA	NA	NA	NA	NA		0.00
TOTAL (including LULUCF)	127,631.72	108,192.02	102,402.84	108,187.64	106,481.05	97,156.71	97,155.02	98,168.54	65.56