Annual emission inventories

1996

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	NO_X	CO	NMVOC	SO_2
	(Gg)						
Total Energy	**72.973,89**	**37,36**	**2,96**	**311,50**	**747,37**	**115,03**	**174,09**
A. Fuel Combustion Activities (Sectoral Approach)	**72.573,52**	**27,98**	**2,95**	**309,46**	**701,52**	**105,50**	**171,25**
1. Energy Industries	**44.376,34**	**14,94**	**1,44**	**126,78**	**13,37**	**4,42**	**144,09**
a. Public Electricity and Heat Production	42.175,94	14,82	1,38	120,65	12,60	4,36	142,96
b. Petroleum Refining	1.327,44	0,02	0,05	2,36	0,35	0,03	1,13
c. Manufacture of Solid Fuels and Other Energy Industries	872,96	0,10	0,02	3,76	0,43	0,03	0,01
2. Manufacturing Industries and Construction	**6.649,96**	**1,65**	**0,21**	**29,53**	**16,76**	**4,04**	**15,67**
a. Iron and Steel	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
b. Non-Ferrous Metals	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
c. Chemicals	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
d. Pulp, Paper and Print	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
f. Other *(please specify)*	6.649,96	1,65	0,21	29,53	16,76	4,04	15,67
Manufacturing Industries and Construction (a,b,c,d,e,f), incl. industry mobile sources and machinery				29,53	16,76	4,04	15,67
3. Transport	**12.029,33**	**3,98**	**0,94**	**111,01**	**455,67**	**74,95**	**3,92**
a. Civil Aviation	205,79	0,01	0,01	0,98	1,14	0,19	0,01
b. Road Transportation	10.820,93	3,86	0,89	93,41	437,94	65,69	1,72
c. Railways	300,64	0,01	0,01	4,98	0,91	0,32	0,10
d. Navigation	701,98	0,10	0,04	11,64	15,69	8,74	2,09
e. Other Transportation *(please specify)*	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	NO_X	CO	NMVOC	SO_2
	(Gg)						
4. Other Sectors	**9.341,97**	**7,40**	**0,35**	**41,21**	**215,11**	**21,98**	**7,55**
a. Commercial/Institutional	1.236,10	0,71	0,04	1,26	0,96	0,49	0,75
b. Residential	5.365,22	4,59	0,19	5,99	189,52	14,48	2,47
c. Agriculture/Forestry/Fisheries	2.740,65	2,10	0,12	33,97	24,64	7,02	4,33
5. Other *(please specify)* [1]	**175,92**	**0,01**	**0,01**	**0,94**	**0,60**	**0,11**	**0,02**
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	175,92	0,01	0,01	0,94	0,60	0,11	0,02
Emissions from military combustion of fuels	175,92	0,01	0,01	0,94	0,60	0,11	0,02
B. Fugitive Emissions from Fuels	**400,38**	**9,38**	**0,01**	**2,04**	**45,85**	**9,53**	**2,83**
1. Solid Fuels	**0,00**	**6,36**	**0,00**	**0,00**	**44,52**	**0,00**	**0,00**
a. Coal Mining	0,00	0,00	NO	NO	NO	NO	
b. Solid Fuel Transformation	NO	NO	NO	NO	NO	NO	NO
c. Other *(please specify)*	0,00	6,36	0,00	0,00	44,52	0,00	0,00
Storage of solid fluid					44,52		
2. Oil and Natural Gas	**400,38**	**3,02**	**0,01**	**2,04**	**1,32**	**9,53**	**2,83**
a. Oil	0,00	0,06		NO	NO	8,52	2,61
b. Natural Gas	0,00	1,89				0,43	0,00
c. Venting and Flaring	400,38	1,07	0,01	2,04	1,32	0,58	0,22
Venting	0,00	0,00					0,22
Flaring	400,38	1,07	0,01	2,04	1,32	0,58	0,00
d. Other *(please specify)*	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: [2]							
International Bunkers	**6.772,87**	**0,14**	**0,37**	**139,42**	**12,66**	**3,85**	**71,60**
Aviation	1.970,16	0,03	0,07	7,92	1,48	0,33	0,06
Marine	4.802,71	0,11	0,30	131,50	11,19	3,52	71,54
Multilateral Operations	0,00	0,00	0,00				
CO_2 Emissions from Biomass	**6.608,91**						

[1] Include military fuel use under this category

[2] Please do not include in energy totals

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS [2]			EMISSIONS		
	Consumption		CO_2	CH_4	N_2O	CO_2	CH_4	N_2O
	(TJ)	[1]	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
1.A. Fuel Combustion	**972.255,76**	NCV				**72.573,52**	**27,98**	**2,95**
Liquid Fuels	368.387,01	NCV	73,99	12,86	3,84	27.257,96	4,74	1,41
Solid Fuels	375.387,10	NCV	95,00	2,24	3,00	35.661,77	0,84	1,13
Gaseous Fuels	160.599,21	NCV	56,90	111,27	1,13	9.138,09	17,87	0,18
Biomass	67.120,78	NCV	98,46	66,36	3,45 [3]	6.608,91	4,45	0,23
Other Fuels	761,66	NCV	677,06	106,76	0,60	515,69	0,08	0,00
1.A.1. Energy Industries	**548.791,63**	NCV				**44.376,34**	**14,94**	**1,44**
Liquid Fuels	79.753,96	NCV	73,10	2,31	1,99	5.830,31	0,18	0,16
Solid Fuels	357.163,30	NCV	95,00	1,58	3,00	33.930,51	0,57	1,07
Gaseous Fuels	73.410,98	NCV	56,90	188,18	1,20	4.177,08	13,81	0,09
Biomass	38.463,39	NCV	96,58	9,68	3,10 [3]	3.714,83	0,37	0,12
Other Fuels	0,00	NCV	0,00	0,00	0,00	438,43	0,00	0,00
a. Public Electricity and Heat Production	510.897,03	NCV				42.175,94	14,82	1,38
Liquid Fuels	57.266,21	NCV	78,63	2,93	1,98	4.502,87	0,17	0,11
Solid Fuels	357.163,30	NCV	95,00	1,58	3,00	33.930,51	0,57	1,07
Gaseous Fuels	58.068,92	NCV	56,90	236,25	1,25	3.304,12	13,72	0,07
Biomass	38.398,59	NCV	96,60	9,69	3,10 [3]	3.709,42	0,37	0,12
Other Fuels	IE	NCV	0,00	0,00	0,00	438,43	IE	IE
b. Petroleum Refining	22.487,74	NCV				1.327,44	0,02	0,05
Liquid Fuels	22.487,74	NCV	59,03	0,74	2,02	1.327,44	0,02	0,05
Solid Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 [3]	NO	NO	NO
Other Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO
c. Manufacture of Solid Fuels and Other Energy Industries	15.406,86	NCV				872,96	0,10	0,02
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO
Gaseous Fuels	15.342,06	NCV	56,90	6,25	1,03	872,96	0,10	0,02
Biomass	64,80	NCV	83,60	4,00	2,01 [3]	5,42	0,00	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO

[1] Activity data should be calculated using net calorific values (NCV) as specified by the IPCC Guidelines. If gross calorific values (GCV) were used, please indicate this by replacing "NCV" with "GCV" in this column.

[2] Accurate estimation of CH_4 and N_2O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

[3] Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, soild, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS [2]				EMISSIONS		
	Consumption		CO_2	CH_4	N_2O		CO_2	CH_4	N_2O
	(TJ)	[1]	(t/TJ)	(kg/TJ)	(kg/TJ)		(Gg)	(Gg)	(Gg)
1.A.2 Manufacturing Industries and Construction	**99.844,83**	NCV					**6.649,96**	**1,65**	**0,21**
Liquid Fuels	36.495,67	NCV	77,62	7,56	2,46		2.832,85	0,28	0,09
Solid Fuels	16.559,10	NCV	95,00	15,00	3,00		1.573,11	0,25	0,05
Gaseous Fuels	39.437,46	NCV	56,90	22,78	1,10		2.243,99	0,90	0,04
Biomass	7.352,60	NCV	101,47	31,20	3,94	[3]	746,10	0,23	0,03
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
a. Iron and Steel	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00	[3]	NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
b. Non-Ferrous Metals	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00	[3]	NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
c. Chemicals	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00	[3]	NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
d. Pulp, Paper and Print	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00	[3]	NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
e. Food Processing, Beverages and Tobacco	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00	[3]	NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
f. Other *(please specify)*	99.844,83	NCV					6.649,96	1,65	0,21
Liquid Fuels	36.495,67	NCV	77,62	7,56	2,46		2.832,85	0,28	0,09
Solid Fuels	16.559,10	NCV	95,00	15,00	3,00		1.573,11	0,25	0,05
Gaseous Fuels	39.437,46	NCV	56,90	22,78	1,10		2.243,99	0,90	0,04
Biomass	7.352,60	NCV	101,47	31,20	3,94	[3]	746,10	0,23	0,03
Other Fuels	0,00	NCV	0,00	0,00	0,00				

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS [2]				EMISSIONS		
	Consumption		CO_2	CH_4	N_2O		CO_2	CH_4	N_2O
	(TJ)	[1]	(t/TJ)	(kg/TJ)	(kg/TJ)		(Gg)	(Gg)	(Gg)
1.A.3 Transport	**163.687,51**	NCV					**12.029,33**	**3,98**	**0,94**
Gasoline	84.588,59	NCV	72,97	41,51	6,98		6.172,23	3,51	0,59
Diesel	78.337,26	NCV	74,06	4,93	4,52		5.801,59	0,39	0,35
Natural Gas	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00	[3]	0,00	0,00	0,00
Other Fuels	761,66	NCV	72,87	106,76	0,60		55,50	0,08	0,00
a. Civil Aviation	2.856,51	NCV					205,79	0,01	0,01
Aviation Gasoline	121,42	NCV	73,00	21,90	2,00		8,86	0,00	0,00
Jet Kerosene	2.735,09	NCV	72,00	1,61	3,80		196,93	0,00	0,01
b. Road Transportation	147.334,71	NCV					10.820,93	3,86	0,89
Gasoline	81.732,09	NCV	73,00	42,87	7,09		5.966,44	3,50	0,58
Diesel Oil	65.590,40	NCV	74,00	5,45	4,67		4.853,69	0,36	0,31
Natural Gas	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00	[3]	0,00	0,00	0,00
Other Fuels *(please specify)*	12,22	NCV					0,79	0,00	0,00
	12,22	NCV	65,00	24,79	5,65		0,79	0,00	0,00
c. Railways	4.062,68	NCV					300,64	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Liquid Fuels	4.062,68	NCV	74,00	3,07	2,04		300,64	0,01	0,01
Other Fuels *(please specify)*	0,00	NCV					0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
d. Navigation	9.433,61	NCV					701,98	0,10	0,04
Coal	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Residual Oil	1.159,67	NCV	78,00	1,76	4,89		90,45	0,00	0,01
Gas/Diesel Oil	7.524,51	NCV	74,00	1,96	4,52		556,81	0,01	0,03
Other Fuels *(please specify)*	749,44	NCV					54,71	0,08	0,00
	749,44	NCV	73,00	108,10	0,52		54,71	0,08	0,00
e. Other Transportation	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS [2]				EMISSIONS		
	Consumption		CO_2	CH_4	N_2O		CO_2	CH_4	N_2O
	(TJ)	[1]	(t/TJ)	(kg/TJ)	(kg/TJ)		(Gg)	(Gg)	(Gg)
1.A.4 Other Sectors	**157.508,62**	NCV					**9.341,97**	**7,40**	**0,35**
Liquid Fuels	86.788,37	NCV	74,26	4,26	2,47		6.445,05	0,37	0,21
Solid Fuels	1.664,70	NCV	95,00	15,00	3,00		158,15	0,02	0,00
Gaseous Fuels	47.750,76	NCV	56,90	66,12	1,03		2.717,02	3,16	0,05
Biomass	21.304,79	NCV	100,82	180,82	3,92	[3]	2.147,98	3,85	0,08
Other Fuels	0,00	NCV	0,00	0,00	0,00		21,76	0,00	0,00
a. Commercial/Institutional	21.528,38	NCV					1.236,10	0,71	0,04
Liquid Fuels	7.755,10	NCV	74,39	1,86	2,01		576,93	0,01	0,02
Solid Fuels	41,70	NCV	95,00	14,99	3,00		3,96	0,00	0,00
Gaseous Fuels	11.132,68	NCV	56,90	51,91	1,03		633,45	0,58	0,01
Biomass	2.598,90	NCV	92,52	44,71	3,36	[3]	240,44	0,12	0,01
Other Fuels	IE	NCV	0,00	0,00	0,00		21,76	IE	IE
b. Residential	95.809,40	NCV					5.365,22	4,59	0,19
Liquid Fuels	48.355,83	NCV	74,07	4,44	2,00		3.581,79	0,21	0,10
Solid Fuels	169,70	NCV	95,00	15,00	3,00		16,12	0,00	0,00
Gaseous Fuels	31.059,98	NCV	56,90	36,44	1,02		1.767,31	1,13	0,03
Biomass	16.223,89	NCV	102,00	200,00	4,00	[3]	1.654,84	3,24	0,06
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
c. Agriculture/Forestry/Fisheries	40.170,83	NCV					2.740,65	2,10	0,12
Liquid Fuels	30.677,43	NCV	74,53	4,58	3,32		2.286,33	0,14	0,10
Solid Fuels	1.453,30	NCV	95,00	15,00	3,00		138,06	0,02	0,00
Gaseous Fuels	5.558,10	NCV	56,90	260,39	1,13		316,26	1,45	0,01
Biomass	2.482,00	NCV	101,81	198,01	3,98	[3]	252,70	0,49	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
1.A.5 Other (Not elsewhere specified)[4]	**2.423,17**	NCV					**175,92**	**0,01**	**0,01**
Liquid Fuels	2.423,17	NCV	72,60	3,72	2,85		175,92	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00	[3]	0,00	0,00	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00

[4] Include military fuel use under this category.

Documentation Box:

1A2 a-f: Total fuel consumption and emission from Manufacturing Industries and Construction (1A2) is included in 1A2f
1A 2f-note: Manufacturing Industries and Construction incl. industry mobile sources and machinery

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO_2 from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1996
2004, May 19

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor [1] (TJ/Unit)	[1]	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO_2 emissions (Gg CO_2)
Liquid Fossil	Primary Fuels	Crude Oil	TJ	433.120,62	234.594,87	########		-5.379,60	449.307,47	1,00	NCV	449.307,47	20,00	8.986,15		8.986,15	1,00	32.949,21
		Orimulsion	TJ	0,00	36.698,67	0,00		-187,06	36.885,73	1,00	NCV	36.885,73	22,00	811,49		811,49	1,00	2.975,45
		Natural Gas Liquids	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	17,20	0,00		0,00	1,00	0,00
	Secondary Fuels	Gasoline	TJ		40.844,94	68.577,37	9,05	-351,87	-27.389,61	1,00	NCV	-27.389,61	18,90	-517,66		-517,66	1,00	-1.898,10
		Jet Kerosene	TJ		16.274,78	3.231,98	27.576,86	-820,20	-13.713,87	1,00	NCV	-13.713,87	19,50	-267,42		-267,42	1,00	-980,54
		Other Kerosene	TJ		0,00	0,00	0,00	0,00	0,00	1,00	NCV	0,00	19,60	0,00		0,00	1,00	0,00
		Shale Oil	TJ		0,00	0,00		0,00	0,00	1,00	NCV	0,00	20,00	0,00		0,00	1,00	0,00
		Gas / Diesel Oil	TJ		58.130,34	52.206,95	27.230,63	-154,70	-21.152,54	1,00	NCV	-21.152,54	20,20	-427,28	0,00	-427,28	1,00	-1.566,70
		Residual Fuel Oil	TJ		38.276,00	59.852,00	35.739,08	3.122,06	-60.437,13	1,00	NCV	-60.437,13	21,10	-1.275,22		-1.275,22	1,00	-4.675,82
		LPG	TJ		594,23	3.768,78		114,45	-3.289,00	1,00	NCV	-3.289,00	17,20	-56,57	0,00	-56,57	1,00	-207,43
		Ethane	TJ		0,00	0,00		0,00	0,00	1,00	NCV	0,00	16,80	0,00	0,00	0,00	1,00	0,00
		Naphtha	TJ		1.227,96	8.965,07		-189,93	-7.547,18	1,00	NCV	-7.547,18	20,00	-150,94	18,34	-169,28	1,00	-620,71
		Bitumen	TJ		9.068,15	79,52		-201,87	9.190,50	1,00	NCV	9.190,50	22,00	202,19	214,62	-12,43	1,00	-45,58
		Lubricants	TJ		2.877,99	538,58	216,54	-313,12	2.435,98	1,00	NCV	2.435,98	20,00	48,72	25,65	23,07	1,00	84,58
		Petroleum Coke	TJ		6.720,20	1.592,00		-1.138,25	6.266,45	1,00	NCV	6.266,45	27,50	172,33		172,33	1,00	631,87
		Refinery Feedstocks	TJ		4.966,58	1.738,55		-3.259,28	6.487,31	1,00	NCV	6.487,31	20,00	129,75		129,75	1,00	475,74
		Other Oil	TJ		0,00	0,00		0,00	0,00	1,00	NCV	0,00	20,00	0,00		0,00	1,00	0,00
Liquid Fossil Totals												377.044,10		7.655,52	258,61	7.396,90		27.121,97
Solid Fossil	Primary Fuels	Anthracite [2]	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	26,80	0,00		0,00	1,00	0,00
		Coking Coal	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	25,80	0,00	0,00	0,00	1,00	0,00
		Other Bit. Coal	TJ	0,00	325.430,95	3.855,48	0,00	-50.262,70	371.838,16	1,00	NCV	371.838,16	25,80	9.593,42		9.593,42	1,00	35.175,89
		Sub-bit. Coal	TJ	0,00	0,00	0,00	0,00	0,00	0,00	1,00	NCV	0,00	26,20	0,00		0,00	1,00	0,00
		Lignite	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	27,60	0,00		0,00	1,00	0,00
		Oil Shale	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	29,10	0,00		0,00	1,00	0,00
		Peat	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	28,90	0,00		0,00	1,00	0,00
	Secondary Fuels	BKB & Patent Fuel	TJ		65,11	24,12		0,77	40,22	1,00	NCV	40,22	25,80	1,04		1,04	1,00	3,81
		Coke Oven/Gas Coke	TJ		1.070,77	0,67		-172,40	1.242,50	1,00	NCV	1.242,50	29,50	36,65		36,65	1,00	134,40
Solid Fuel Totals												373.120,88		9.631,12	0,00	9.631,12		35.314,09
Gaseous Fossil		Natural Gas (Dry)	TJ	239.199,48	0,00	71.414,79		11.422,23	156.362,47	1,00	NCV	156.362,47	15,30	2.392,35	0,00	2.392,35	1,00	8.771,93
Total												**906.527,45**		**19.678,98**	**258,61**	**19.420,36**		**71.208,00**
Biomass total												63.937,69		1.897,61	0,00	1.897,61		6.957,90
		Solid Biomass	TJ	61.461,36	486,33	0,00		0,00	61.947,69	1,00	NCV	61.947,69	29,90	1.852,24		1.852,24	1,00	6.791,53
		Liquid Biomass	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	20,00	0,00		0,00	1,00	0,00
		Gas Biomass	TJ	1.990,00	0,00	0,00		0,00	1.990,00	1,00	NCV	1.990,00	22,80	45,37		45,37	1,00	166,36

[1] To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

[2] If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO_2 EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
1996
2004, May 19

FUEL TYPES	Reference approach		National approach [1]		Difference [2]	
	Energy consumption (PJ)	CO_2 emissions (Gg)	Energy consumption (PJ)	CO_2 emissions (Gg)	Energy consumption (%)	CO_2 emissions (%)
Liquid Fuels (excluding international bunkers)	377,04	27.121,97	368,39	27.257,96	2,35	-0,50
Solid Fuels (excluding international bunkers)	373,12	35.314,09	375,39	35.661,77	-0,60	-0,97
Gaseous Fuels	156,36	8.771,93	160,60	9.138,09	-2,64	-4,01
Other [3]	-13,54	460,19	0,76	515,69	-1.878,16	-10,76
Total [3]	**892,98**	**71.668,19**	**905,13**	**72.573,52**	**-1,34**	**-1,25**

[1] "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO_2 emissions from fuel combustion reported in the national GHG inventory.

[2] Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

[3] Emissions from biomass are not included.

Note: In addition to estimating CO_2 emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

Non-energy use of fuels is not included in the Danish National Approach. Fuel consumption for non-energy is subtracted in Reference Approach to make results comparable. Inclusion of these fuels in future inventories will be considered.
CO2 emission from plastic part of municipal wastes is included in the Danish National Approach.
CO2 emission from the plastic part of municipal wastes is added in Reference Approach. (Other fuels of sources 1A1, 1A2 and 1A4)

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
1996
2004, May 19

FUEL TYPE [1]	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE	Additional information [a]	
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)	CO_2 not emitted (Gg CO_2)	Subtracted from energy sector *(specify source category)*
Naphtha [2]	1.222,65	0,75	20,00	18,34	67,25	
Lubricants	2.565,33	0,50	20,00	25,65	94,06	
Bitumen	9.755,50	1,00	22,00	214,62	786,94	
Coal Oils and Tars (from Coking Coal)	NO	NO	0,00	0,00	0,00	NO
Natural Gas[2]	NO	NO	0,00	0,00	0,00	NO
Gas/Diesel Oil [2]	NO	NO	0,00	0,00	0,00	NO
LPG [2]	NO	NO	0,00	0,00	0,00	NO
Butane [2]	NO	NO	0,00	0,00	0,00	NO
Ethane [2]	NO	NO	0,00	0,00	0,00	NO
Other *(please specify)*						
			0,00		0,00	

[1] Where fuels are used in different industries, please enter in different rows
[2] Enter these fuels when they are used as feedstocks.

[a] The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.

Associated CO_2 emissions (Gg)	Allocated under *(Specify source category)* [a]

[a] e.g. Industrial Processes, Waste Incineration, etc.

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY

Denmark

Fugitive Emissions from Solid Fuels

1996

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced [1] (Mt)	CH_4 (kg/t)	CO_2 (kg/t)	CH_4 (Gg)	CO_2 (Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines[2]	NO	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00	NO	NO
Post-Mining Activities		0,00	0,00	NO	NO
ii. Surface Mines[2]	NO	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00	NO	NO
Post-Mining Activities		0,00	0,00	NO	NO
1. B. 1. b. Solid Fuel Transformation	NO	0,00	0,00	NO	NO
1. B. 1. c. Other *(please specify)* [3]				6,36	0,00
Coal storage	13,13	0,48	#VALUE!	6,36	NE

Additional information [a]

Description	Value
Amount of CH_4 drained (recovered) and utilized or flared (Gg)	NO
Number of active underground mines	NO
Number of mines with drainage (recovery) systems	NO

[a] For underground mines.

[1] Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

[2] Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

[3] Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description [1]	Unit	Value	CO_2 (kg/unit) [2]	CH_4 (kg/unit) [2]	N_2O (kg/unit) [2]	CO_2 (Gg)	CH_4 (Gg)	N_2O (Gg)
1. B. 2. a. Oil [3]							**0,00**	**0,06**	
i. Exploration	*(e.g. number of wells drilled)*		0,00	0,00	0,00		NE	NE	
ii. Production [4]	*(e.g. PJ of oil produced)*		0,00	0,00	0,00		NE	NE	
iii. Transport	*(e.g. PJ oil loaded in tankers)*		0,00	0,00	0,00		NE	NE	
iv. Refining / Storage	*(e.g. PJ oil refined)*		0,00	0,00	0,00		NE	NE	
v. Distribution of oil products	*(e.g. PJ oil refined)*	Mg product	1.913.041	#VALUE!	#VALUE!		NE	NE	
vi. Other		Mg Crude	10.526.171	#VALUE!	0,01		NE	0,06	
1. B. 2. b. Natural Gas							**0,00**	**1,89**	
Exploration				0,00	0,00				
i. Production [4] / Processing	*(e.g. PJ gas produced)*	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	*Gas produced and stock change*	Mm3 gas	5.705	0,00	36,00		0,00	0,21	
Distribution	*Gas distributed*	Mm3 gas	3.254,00	0,00	14,56		0,00	0,05	
iii. Other Leakage	*Incl. in transmission*		IE	0,00	0,00		IE	IE	
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting [5]							**0,00**	**0,00**	
i. Oil	*(e.g. PJ oil produced)*			0,00	0,00				
ii. Gas	*Incl. in transmission*		IE	0,00	0,00		IE	IE	
iii. Combined				0,00	0,00				
Flaring							**400,38**	**1,07**	**0,01**
i. Oil	*(e.g. PJ gas consumption)*	GJ	411.788	56,90	0,00	0,00	23,43		0,00
ii. Gas	*(e.g. PJ gas consumption)*	GJ	6.624.695	56,90	0,16	0,00	376,95	1,07	0,01
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other *(please specify)* [6]							**0,00**	**0,00**	**0,00**
				0,00	0,00	0,00			

Additional information

Description	Value	Unit
Pipelines length (km)	NE	NE
Number of oil wells	NE	NE
Number of gas wells	NE	NE
Gas throughput [a]	NE	NE
Oil throughput [a]	NE	NE
Other relevant information *(specify)*		

[a] In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

[1] Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

[2] The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

[3] Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

[4] If using default emission factors these categories will include emissions from production other than venting and flaring.

[5] If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

[6] For example, fugitive CO_2 emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO_2 (t/TJ)	CH_4 (kg/TJ)	N_2O (kg/TJ)	CO_2 (Gg)	CH_4 (Gg)	N_2O (Gg)
Marine Bunkers	**62.969,70**				**4.802,71**	**0,11**	**0,30**
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	27.230,63	74,00	1,69	4,68	2.015,07	0,05	0,13
Residual Fuel Oil	35.739,08	78,00	1,76	4,89	2.787,65	0,06	0,17
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other *(please specify)* [redacted]	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	**27.363,17**				**1.970,16**	**0,03**	**0,07**
Jet Kerosene	27.353,83	72,00	1,24	2,50	1.969,48	0,03	0,07
Gasoline	9,35	73,00	21,94	2,03	0,68	0,00	0,00
Multilateral Operations [1]							

Additional information

Fuel consumption	Allocation [a] (percent)	
	Domestic	International
Marine	13,03	86,97
Aviation	9,45	90,55

[a] For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

[1] Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
				P	A	P	A	P	A				
	(Gg)			CO_2 equivalent (Gg)						(Gg)			
Total Industrial Processes	**1.438,99**	**0,00**	**2,69**	**1.220,22**	**329,30**	**21,00**	**1,66**	**0,01**	**0,00**	**0,54**	**0,00**	**0,81**	**0,00**
A. Mineral Products	**1.402,07**	**0,00**	**0,00**							**0,00**	**0,00**	**0,10**	**0,00**
1. Cement Production	1.282,06												NE
2. Lime Production	106,07												
3. Limestone and Dolomite Use	NE												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	NE										NE	NE	
6. Road Paving with Asphalt	NE									NE	NE	NE	NE
7. Other *(please specify)* [redacted]	13,94	0,00	0,00							0,00	0,00	0,10	0,00
Glass Production	13,94	NE	NE							NE	NE	0,10	NE
B. Chemical Industry	**1,74**	**0,00**	**2,69**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,54**	**0,00**	**0,11**	**0,00**
1. Ammonia Production	NO	NO								NO	NO	NO	NO
2. Nitric Acid Production			2,69							0,50			
3. Adipic Acid Production			NO							NO	NO	NO	
4. Carbide Production	0,00	0,00									NO	NO	NO
5. Other *(please specify)* [redacted]	1,74	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,04	0,00	0,11	0,00
Catalysts/Fertilizers and Pesticides	1,74									0,04	NE	0,11	NE
C. Metal Production	**35,19**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
1. Iron and Steel Production	35,19	0,00								NE	NE	NE	NE
2. Ferroalloys Production	NO	NO								NE	NE	NE	NE
3. Aluminium Production	NO	NO					0,00			NO	NO	NO	NO
4. SF_6 Used in Aluminium and Magnesium Foundries									0,00				
5. Other *(please specify)* [redacted]	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

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines. A = Actual emissions based on Tier 2 approach of the IPCC Guidelines. This only applies in sectors where methods exist for both tiers.

[1] The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
				P	A	P	A	P	A				
	(Gg)			CO_2 equivalent (Gg)				(Gg)					
D. Other Production	**NE**									**0,00**	**0,00**	**0,60**	**0,00**
1. Pulp and Paper										NE	NE	NE	NE
2. Food and Drink[2]	NE											0,60	
E. Production of Halocarbons and SF_6					**0,00**		**0,00**		**0,00**				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other *(please specify)*					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF_6				**1.220,22**	**329,30**	**21,00**	**1,66**	**0,01**	**0,00**				
1. Refrigeration and Air Conditioning Equipment				742,35	81,11	21,00	1,66	0,00	0,00				
2. Foam Blowing				477,87	248,20	0,00	0,00	0,00	0,00				
3. Fire Extinguishers				0,00	0,00	0,00	0,00	0,00	0,00				
4. Aerosols/ Metered Dose Inhalers				0,00	0,00	0,00	0,00	0,00	0,00				
5. Solvents				0,00	0,00	0,00	0,00	0,00	0,00				
6. Semiconductor Manufacture				0,00	0,00	0,00	0,00	0,00	0,00				
7. Electrical Equipment				0,00		0,00		0,00	0,00				
8. Other *(please specify)*				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF6 from (1) window plate prod. (2) laboratories (3) running shoes						0,00		0,01	0,00				
G. Other *(please specify)*	**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**

[2] CO_2 from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO_2 emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Denmark

Emissions of CO_2, CH_4 and N_2O

1996

(Sheet 1 of 2)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS[2]					
	Production/Consumption quantity		CO_2	CH_4	N_2O	CO_2		CH_4		N_2O	
	Description [1]	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	[2]	(Gg)	[2]	(Gg)	[2]
A. Mineral Products						**1.402,07**		**0,00**		**0,00**	
1. Cement Production	Production of Cement	2.418,99	0,53			1.282,06					
2. Lime Production	Production of Lime and Brigs	492,23	0,22			106,07					
3. Limestone and Dolomite Use		NE	0,00			NE					
4. Soda Ash						0,00					
Soda Ash Production		NO	0,00			NO					
Soda Ash Use		NE	0,00			NE					
5. Asphalt Roofing		NE	0,00			NE					
6. Road Paving with Asphalt		NE	0,00			NE					
7. Other *(please specify)*						13,94		0,00		0,00	
Glass Production			0,00								
		173,63	0,08	#VALUE!	#VALUE!	13,94		NE		NE	
B. Chemical Industry						**1,74**		**0,00**		**2,69**	
1. Ammonia Production [3]		NO	0,00	0,00	0,00	NO		NO		NO	
2. Nitric Acid Production		360,00			0,01					2,69	
3. Adipic Acid Production		NO			0,00					NO	
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		NO	0,00	0,00		NO		NO			
Calcium Carbide		NO	0,00	0,00		NO		NO			
5. Other *(please specify)*						1,74		0,00		0,00	
Carbon Black		NO		0,00				NO			
Ethylene		NO	0,00	0,00	0,00	NO		NO		NO	
Dichloroethylene		NO		0,00				NO			
Styrene		NO		0,00				NO			
Methanol		NO		0,00				NO			
Catalysts/Fertilizers and Pesticides		143,10	0,01	#VALUE!	#VALUE!	1,74		NE		NE	

[1] Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

[2] Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

[3] To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Emissions of CO_2, CH_4 and N_2O

(Sheet 2 of 2)

Denmark

1996

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS[2]					
	Production/Consumption Quantity		CO_2	CH_4	N_2O	CO_2		CH_4		N_2O	
	Description [1]	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	[2]	(Gg)	[2]	(Gg)	[2]
C. Metal Production [4]						**35,19**		**0,00**		**0,00**	
1. Iron and Steel Production		0,00	0,00			35,19		0,00			
Steel		719,00	0,05			35,19					
Pig Iron		NO	0,00	0,00		NO		NO			
Sinter		NO	0,00	0,00		NO		NO			
Coke		NO	0,00	0,00		NO		NO			
Other *(please specify)*						0,00		0,00			
			0,00	0,00	0,00						
2. Ferroalloys Production		NO	0,00	0,00		NO		NO			
3. Aluminium Production		NO	0,00	0,00		NO		NO			
4. SF_6 Used in Aluminium and Magnesium Foundries											
5. Other *(please specify)*						0,00		0,00		0,00	
Metal alloys manufacturing		0,00	0,00	0,00	0,00	NE		NE		NE	
D. Other Production						**0,00**					
1. Pulp and Paper											
2. Food and Drink	Brewery	959,00	#VALUE!			NE					
G. Other *(please specify)*						**0,00**		**0,00**		**0,00**	
		0,00	0,00	0,00	0,00	0,00					

[4] More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF_6
(Sheet 1 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs[1]	CF_4	C_2F_6	C_3F_8	C_4F_{10}	c-C_4F_8	C_5F_{12}	C_6F_{14}	Total PFCs[1]	SF_6
	(t)[2]																						
Total Actual Emissions of Halocarbons (by chemical) and SF_6	**0,00**	**0,84**	**0,00**	**0,00**	**9,46**	**0,00**	**203,78**	**32,16**	**0,00**	**8,65**	**0,00**	**0,00**	**0,00**		**0,00**	**0,00**	**0,24**	**0,00**	**0,00**	**0,00**	**0,00**		**2,55**
C. Metal Production															**0,00**	**0,00**	NO	NO	NO	NO	NO		**0,40**
Aluminium Production															NO	NO	NO	NO	NO	NO	NO		
SF_6 Used in Aluminium Foundries																							NO
SF_6 Used in Magnesium Foundries																							0,40
E. Production of Halocarbons and SF_6	**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**
1. By-product Emissions	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
Production of HCFC-22	NO																						
Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
2. Fugitive Emissions	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
3. Other *(please specify)*	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
F(a). Consumption of Halocarbons and SF_6 (actual emissions - Tier 2)	**0,00**	**0,84**	**0,00**	**0,00**	**9,46**	**0,00**	**203,78**	**32,16**	**0,00**	**8,65**	**0,00**	**0,00**	**0,00**		**0,00**	**0,00**	**0,24**	**0,00**	**0,00**	**0,00**	**0,00**		**2,15**
1. Refrigeration and Air Conditioning Equipment	NO	0,84	NO	NO	9,46	NO	16,33	0,00	NO	8,65	NO	NO	NO		NO	NO	0,24	NO	NO	NO	NO		NO
2. Foam Blowing	NO	NO	NO	NO	NO	NO	187,46	32,16	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
3. Fire Extinguishers	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
4. Aerosols/Metered Dose Inhalers	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
5. Solvents	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
6. Semiconductor Manufacture	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
7. Electrical Equipment																							0,18
8. Other *(please specify)*	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		1,97
Emissions of SF6 from (1) window plate prod. (2) laboratories (3) running shoes																	NO						1,97
G. Other *(please specify)*	**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**

[1] Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

[2] Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell.
Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF_6
(Sheet 2 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs	CF_4	C_2F_6	C_3F_8	C_4F_{10}	c-C_4F_8	C_5F_{12}	C_6F_{14}	Total PFCs	SF_6
	(t)[2]																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF_6 [3]	0,00	10,00	0,00	0,00	71,72	0,00	603,95	32,00	0,00	58,76	0,00	0,00	0,00		0,00	0,00	3,00	0,00	0,00	0,00	0,00		10,60
Production[4]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
Import:	0,00	10,00	0,00	0,00	71,72	0,00	744,52	32,00	0,00	58,76	0,00	0,00	0,00		0,00	0,00	3,00	0,00	0,00	0,00	0,00		10,60
In bulk	NO	10,00	NO	NO	71,72	NO	744,52	32,00	NO	58,76	NO	NO	NO		NO	NO	3,00	NO	NO	NO	NO		10,60
In products [5]	NO	NE	NO	NO	NE	NO	0,00	NE	NO	NE	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
Export:	0,00	0,00	0,00	0,00	0,00	0,00	140,57	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
In bulk	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
In products [5]	NO	NE	NO	NO	NE	NO	140,57	NE	NO	NE	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions [6] (Gg CO_2 eq.)	0,00	0,55	0,00	0,00	26,48	0,00	264,92	4,50	0,00	32,85	0,00	0,00	0,00	329,30	0,00	0,00	1,66	0,00	0,00	0,00	0,00	1,66	60,99
C. Metal Production															0,00	0,00	NO	NO	NO	NO	NO	0,00	9,56
E. Production of Halocarbons and SF_6	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
F(a). Consumption of Halocarbons and SF_6	0,00	0,55	0,00	0,00	26,48	0,00	264,92	4,50	0,00	32,85	0,00	0,00	0,00	329,30	0,00	0,00	1,66	0,00	0,00	0,00	0,00	1,66	51,43
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF_6																							
Actual emissions - F(a) (Gg CO_2 eq.)	0,00	0,55	0,00	0,00	26,48	0,00	264,92	4,50	0,00	32,85	0,00	0,00	0,00	329,30	0,00	0,00	1,66	0,00	0,00	0,00	0,00	1,66	51,43
Potential emissions - F(p) (7) (Gg CO_2 eq.)	0,00	6,50	0,00	0,00	200,82	0,00	785,14	4,48	0,00	223,29	0,00	0,00	0,00	1.220,22	0,00	0,00	21,00	0,00	0,00	0,00	0,00	21,00	253,34
Potential/Actual emissions ratio	0,00	11,91	0,00	0,00	7,58	0,00	2,96	0,99	0,00	6,80	0,00	0,00	0,00	3,71	0,00	0,00	12,65	0,00	0,00	0,00	0,00	12,65	4,93

[3] Potential emissions of each chemical of halocarbons and SF6 estimated using Tier 1a or Tier 1b of the IPCC Guidelines (Volume 3. Reference Manual, pp. 2.47-2.50). When potential emissions estimates are available in a disaggregated manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

[4] Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

[5] Relevant just for Tier 1b.

[6] Sums of the actual emissions of each chemical of halocarbons and SF6 from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

[7] Potential emissions of each chemical of halocarbons and SF6 taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF_6, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO_2 equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Denmark

Metal Production; Production of Halocarbons and SF_6

1996

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS[2]	EMISSIONS[2]	
	Description [1]	(t)	(kg/t)	(t)	[3]
C. PFCs and SF_6 from Metal Production					
PFCs from Aluminium Production					
CF_4		NO	0,00	NO	
C_2F_6		NO	0,00	NO	
SF_6				0,40	
Aluminium Foundries	*(SF_6 consumption)*	NO	0,00	NO	
Magnesium Foundries	SF_6 consumption	0,40	1.000,00	0,40	
E. Production of Halocarbons and SF_6					
1. By-product Emissions					
Production of HCFC-22					
HFC-23		NO	0,00	NO	
Other *(specify chemical)*					
		NO	0,00	NO	
2. Fugitive Emissions					
HFCs *(specify chemical)*					
		NO	0,00	NO	
PFCs *(specify chemical)*					
		NO	0,00	NO	
SF_6		NO	0,00	NO	
3. Other *(please specify)*					
			0,00		

[1] Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

[2] Emissions and implied emission factors are after recovery.

[3] Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES Denmark
Consumption of Halocarbons and SF_6 1996
(Sheet 1 of 2) 2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA *Amount of fluid*			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning [1]	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration *(Specify chemical)* [2]									
HFC-32	0,00	0,00	NE	2,00	1,00	0,00	0,00	0,00	0,00
HFC-125	1,76	2,58	NE	2,00	1,00	0,00	0,04	0,01	0,00
HFC-134a	4,66	234,96	NE	2,00	1,00	0,00	4,00	1,65	0,00
HFC-143a	2,08	3,05	NE	2,00	1,00	0,00	0,04	0,01	0,00
HFC-152a	0,00	0,00	NE	2,00	1,00	0,00	0,00	0,00	0,00
Commercial Refrigeration									
HFC-32	10,00	16,06	NE	1,50	10,00	0,00	0,15	0,69	0,00
HFC-125	67,44	136,36	NE	1,50	10,00	0,00	1,01	7,77	0,00
HFC-134a	157,24	226,43	NE	1,50	10,00	0,00	2,36	7,95	0,00
HFC-143a	55,12	118,60	NE	1,50	10,00	0,00	0,83	7,15	0,00
HFC-152a	0,00	0,00	NE	1,50	10,00	0,00	0,00	0,00	0,00
PFC	3,00	4,68	NE	0,00	0,00	0,00	0,05	0,19	0,00
Transport Refrigeration									
HFC-125	2,52	4,04	NE	0,50	17,00	0,00	0,07	0,57	0,00
HFC-134a	0,12	0,21	NE	0,50	17,00	0,00	0,01	0,04	0,00
HFC-143a	1,56	2,78	NE	0,50	17,00	0,00	0,07	0,55	0,00
Industrial Refrigeration									
Stationary Air-Conditioning									
Mobile Air-Conditioning									
HFC-125	0,00	0,00	NE	4,50	30,00	0,00	0,00	0,00	0,00
HFC-134a	7,00	6,70	NE	4,50	30,00	0,00	0,32	0,00	0,00
HFC-143a	0,00	0,00	NE	4,50	30,00	0,00	0,00	0,00	0,00
2 Foam Blowing									
Hard Foam									
HFC-32 (refrigerators)	0,00	0,00	NE	10,00	4,50	0,00	0,00	0,00	0,00
HFC-125 (refrigerators)	0,00	0,00	NE	10,00	4,50	0,00	0,00	0,00	0,00
HFC-134a (refrigerators)	235,00	600,33	NE	10,00	4,50	0,00	23,50	18,96	0,00
HFC-152a (refrigerators)	0,00	3,44	NE	10,00	4,50	0,00	0,00	0,16	0,00
HFC-32 (shoes, other)	0,00	0,00	NE	15,00	4,50	0,00	0,00	0,00	0,00
HFC-125 (shoes, other)	0,00	0,00	NE	15,00	4,50	0,00	0,00	0,00	0,00
HFC-134a (shoes, other)	0,00	0,00	NE	15,00	4,50	0,00	0,00	0,00	0,00
HFC-152a (shoes, other)	0,00	0,00	NE	15,00	4,50	0,00	0,00	0,00	0,00
Soft Foam									
HFC-32 (foam plastics, Joint filler, other)	0,00	0,00	NE	100,00	0,00	0,00	0,00	0,00	0,00
HFC-125 (foam plastics, Joint filler, other	0,00	0,00	NE	100,00	0,00	0,00	0,00	0,00	0,00
HFC-134a (foam plastics, Joint filler, othe	145,00	0,00	NE	100,00	0,00	0,00	145,00	0,00	0,00
HFC-152a (foam plastics, Joint filler, othe	32,00	0,00	NE	100,00	0,00	0,00	32,00	0,00	0,00

[1] Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relavant information used in the emission estimat

[2] Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disagregated chemicals from a source by clicking on the corresponding but

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF6 using the "bottom-up approach" (based on the total stock of equipme and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Denmark

Consumption of Halocarbons and SF_6

1996

(Sheet 2 of 2)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA *Amount of fluid*			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning [1]	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers									
4 Aerosols									
Metered Dose Inhalers									
Other									
HFC-134a (Aerosol spray)	0,00	0,00	NE	50,00	50,00	0,00	0,00	0,00	0,00
5 Solvents									
6 Semiconductors									
7 Electric Equipment									
SF6	1,00	34,00	NO	5,00	0,50	0,00	0,05	0,13	0,00
8 Other *(please specify)*									
PFC (detergent)	0,00	0,00	NO	100,00	0,00	0,00	0,00	0,00	0,00
SF6 (sealed glazing units)	9,40	28,70		15,00	1,00		1,41	0,25	
SF6 (laboratories)	0,20	0,00	NO	100,00	0,00	0,00	0,20	0,00	0,00
SF6 (running shoes)	0,11	0,11		0,00	100,00		0,00	0,11	

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

SF6 (sealed glazing units): SF6 used as insulator in sealed glazing units for window panes. The amount of SF6 accounted for in the model is for products less than 20 years old, where decommissioning is not estimated to have taken place.
SF6 (laboratories): SF6 in small amounts used for experimental tracer studies due to outstanding characteristics of the gas.
SF6 (running shoes): SF6 used as elastic material in the sole of running shoes. Originates from imported shoes only.
Refer to the NIR 2004 for further information

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	N_2O	NMVOC
	(Gg)		
Total Solvent and Other Product Use	**116,48**	**0,00**	**39,72**
A. Paint Application	**75,09**	**NO**	**24,09**
B. Degreasing and Dry Cleaning	**NE**	**NO**	**NE**
C. Chemical Products, Manufacture and Processing			**2,35**
D. Other *(please specify)*	41,39	0,00	13,28
(Use of N_2O for Anaesthesia)	NO	NE	NE
(N_2O from Fire Extinguishers)	NO	NE	NE
(N_2O from Aerosol Cans)	NO	NE	NE
(Other Use of N_2O)	NO	NE	NE
	41,39	NE	13,28

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO_2 columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N_2O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO_2 (t/t)	N_2O (t/t)
A. Paint Application		**NE**	**0,00**	**0,00**
B. Degreasing and Dry Cleaning		**1,97**	**#VALUE!**	**#VALUE!**
C. Chemical Products, Manufacture and Processing				
D. Other *(please specify)* [1]				
(Use of N_2O for Anaesthesia)		NE	0,00	0,00
(N_2O from Fire Extinguishers)		NE	0,00	0,00
(N_2O from Aerosol Cans)		NE	0,00	0,00
(Other Use of N_2O)		NE	0,00	0,00

[1] Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH_4	N_2O	NO_x	CO	NMVOC
	(Gg)				
Total Agriculture	**188,24**	**24,39**	**0,00**	**0,00**	**1,31**
A. Enteric Fermentation	**146,72**				
1. Cattle	129,51				
Dairy Cattle	81,55				
Non-Dairy Cattle	47,96				
2. Buffalo	NO				
3. Sheep	1,62				
4. Goats	0,12				
5. Camels and Llamas	NO				
6. Horses	3,44				
7. Mules and Asses	NO				
8. Swine	12,03				
9. Poultry	NE				
10. Other *(please specify)*	0,00				
Fur farming	NE				
B. Manure Management	**41,52**	**2,09**			**0,00**
1. Cattle	12,77				
Dairy Cattle	10,32				
Non-Dairy Cattle	2,46				
2. Buffalo	NO				
3. Sheep	0,03				
4. Goats	0,00				
5. Camels and Llamas	NO				
6. Horses	0,25				
7. Mules and Asses	NO				
8. Swine	28,13				
9. Poultry	0,33				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH_4	N_2O	NO_x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons		NO			NE
11. Liquid Systems		0,28			NE
12. Solid Storage and Dry Lot		1,80			NE
13. Other *(please specify)*		0,00			0,00
C. Rice Cultivation	0,00				**0,00**
1. Irrigated	0,00				NO
2. Rainfed	0,00				NO
3. Deep Water	0,00				NO
4. Other *(please specify)*	0,00				0,00
D. Agricultural Soils [1]	**0,00**	**22,30**			**1,31**
1. Direct Soil Emissions	NE	11,07			1,31
2. Animal Production	IE	1,05			NE
3. Indirect Emissions	NE	10,01			NE
4. Other *(please specify)*	0,00	0,18			0,00
E. Prescribed Burning of Savannas	**0,00**	**0,00**	**NO**	**NO**	**NO**
F. Field Burning of Agricultural Residues	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
1 . Cereals	0,00	0,00	NO	NO	NO
2. Pulse	0,00	0,00	NO	NO	NO
3 . Tuber and Root	0,00	0,00	NO	NO	NO
4 . Sugar Cane	0,00	0,00	NO	NO	NO
5 . Other *(please specify)*	0,00	0,00	0,00	0,00	0,00
G. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**

[1] See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO_2 emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO_2 emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH_4 emissions, CH_4 and N_2O removals from agricultural soils, or CO_2 emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1996

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA[1] AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size [2] (1000 head)	Average daily feed intake (MJ/day)	CH_4 conversion (%)	CH_4 (kg CH_4/head/yr)
1. Cattle				0,00
Dairy Cattle[3]	701	302,4	6,00	116,39
Non-Dairy Cattle	1.393	98,8	6,00	34,44
2. Buffalo	NO			0,00
3. Sheep	94	59,7	6,00	17,17
4. Goats	9	54,9	5,00	13,15
5. Camels and Llamas	NO			0,00
6. Horses	144	208,8	2,50	23,90
7. Mules and Asses	NO			0,00
8. Swine	10.842	9,7	0,60	1,11
9. Poultry	NE			0,00
10. Other *(please specify)*				
Fur farming	NE			0,00
				0,00

Additional information (for Tier 2)[a]

Disaggregated list of animals [b] Indicators:		Dairy Cattle	Non-Dairy Cattle	Other *(specify)*	
Weight	(kg)	575,00	325,00		
Feeding situation [c]		85,00	46,00		
Milk yield	(kg/day)	18,83	NO		
Work	(hrs/day)	NO	NO		
Pregnant	(%)	90,00	NO		
Digestibility of feed	(%)	71,00	78,00		

[a] Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

[b] Disaggregate to the split actually used. Add columns to the table if necessary.

[c] Specify feeding situation as pasture, stall fed, confined, open range, etc.

[1] In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

[2] Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH_4 emissions from enteric fermentation, CH_4 and N_2O from manure management, N_2O direct emissions from soil and N_2O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

[3] Including data on dairy heifers, if available.

Documentation box:

Activity data for population size is one year average. Number of cattle, swine and poultry is from Agriculture Statistics published by Statistics Denmark. Number of goats, sheep and horses is based on information from the Danish Agricultural Advisory Centre.
Emission factors are based on a Tier 2 approach.
Data for Non-Dairy Cattle include data for heifer older than ½ year.
Feeding situation data is percentage of feeding in stable.

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH_4 Emissions from Manure Management
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION							IMPLIED EMISSION FACTORS
	Population size [1]	Allocation by climate region [2]			Typical animal mass	VS [3] daily excretion	CH_4 producing potential (Bo) [3]	CH_4
		Cool	Temperate	Warm				
	(1000 head)	(%)			(kg)	(kg dm/head/yr)	(CH_4 m^3/kg VS)	(kg CH_4/head/yr)
1. Cattle								0,00
Dairy Cattle [4]	701	100,0			575,0	1.600,0	0,2	14,73
Non-Dairy Cattle	1.393	100,0			325,0	300,0	0,2	1,76
2. Buffalo	NO							0,00
3. Sheep	94	100,0			70,0	86,0	0,2	0,32
4. Goats	9				60,0	84,0	0,2	0,26
5. Camels and Llamas	NO							0,00
6. Horses	144	100,0			600,0	520,0	0,3	1,74
7. Mules and Asses	NO							0,00
8. Swine	10.842	100,0			76,0	22,0	0,5	2,59
9. Poultry	19.888	100,0			2,0	0,3	0,3	0,02

[1] See footnote 1 to Table 4.A of this common reporting format.

[2] Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

[3] VS=Volatile Solids; Bo=maximum methane producing capacity for manure IIPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

[4] Including data on diary heifers, if available.

Documentation Box:

Emission factors are based on a Tier 2 approach.
VS daily excretion depends on stable type and vary slightly according to changes in stable type. For further information refer to the NIR 2004.
Good Practice Guidance recommends MCF=39% for liquid systems. DK continues to use 10%
For swine typical animal mass is based on slaugther pigs.
CH4 emission is not including emission from fur farming, because of no possibility for other animal category as given above.

Additional information (for Tier 2)

Animal category [a]	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool	NO	70,21	NO	14,79	15,00	NO
		Temperate						
		Warm						
	MCF [b]	Cool		10,00		1,00	1,00	
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool	NO	27,01	NO	38,55	34,44	NO
		Temperate						
		Warm						
	MCF [b]	Cool		10,00		1,00	1,00	
		Temperate						
		Warm						
Swine	Allocation(%)	Cool	NO	90,69	NO	8,82	0,49	NO
		Temperate						
		Warm						
	MCF [b]	Cool		10,00		1,00	1,00	
		Temperate						
		Warm						

[a] Copy the above table as many times as necessary.

[b] MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3. Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE

Denmark

N_2O Emissions from Manure Management

1996

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size [1] (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system ($kg\ N_2O$-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	1393	36,62	NO	13.773.897	NO	19.662.925	17.563.473	NO	Anaerobic lagoon	0,000
Dairy Cattle	701	125,09	NO	61.530.691	NO	12.964.288	13.146.173	NO	Liquid system	0,001
Sheep	103	20,11	NO	0,0	NO	568.872	1.507.510	NO	Solid storage and dry lot	0,019
Swine	10.842	9,89	NO	97.198.278	NO	9.455.850	524.717	NO	Other	0,000
Poultry	19.888	0,60	NO	252.897	NO	11.607.445	90.103	NO		
Other *(please specify)*										
Horses	144	43,31	NO	0,0	NO	3.118.320	3.118.320	NO		
Fur farming	1.918	4,66	NO	7.385.456	NO	1.546.003	0,0	NO		
Total per AWMS [2]			**0,0**	**180.141.219,5**	**0,0**	**58.923.703,3**	**35.950.294,5**	**0,0**		

[1] See footnote 1 to Table 4.A of this common reporting format.

[2] AWMS - Animal Waste Management System.

Documentation box:

Non-dairy cattle include calves, bulls heifer and suckling cattle.

Sheep include goats.

N2O emission includes emission from fur farming.

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR (1)	EMISSIONS
		Harvested area (2) (10^{-9} m^2/yr)	Organic amendments added(3): type	(t/ha)	CH_4 (g/m^2)	CH_4 (Gg)
1. Irrigated						**0,00**
Continuously Flooded		NO			0,00	
Intermittently Flooded	Single Aeration	NO			0,00	
	Multiple Aeration	NO			0,00	
2. Rainfed						**0,00**
Flood Prone		NO			0,00	
Drought Prone		NO			0,00	
3. Deep Water						**0,00**
Water Depth 50-100 cm		NO			0,00	
Water Depth > 100 cm		NO			0,00	
4. Other *(please specify)*						**0,00**
					0,00	
Upland Rice(4)						
Total (4)		0,00				

(1) The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organi amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

(2) Harvested area is the cultivated area multiplied by the number of cropping seasons per yea

(3) Specify dry weight or wet weight for organic amendments

(4) These rows are included to allow comparison with the international statistics. Upland rice emissions are assumed to be zero and are ignored in the emission calculation

Documentation box:

When dissagregating by more than one region within a country, provide additional information in the documentation box.
Where available, provide activity data and scaling factors by soil type and rice cultivar.

Rice is not grown in Denmark.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Denmark

Agricultural Soils[1]

1996

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS
	Description	Value	Unit		(Gg N_2O)
Direct Soil Emissions	**N input to soils (kg N/yr)**				**11,07**
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	284.200.750	(kg N2O-N/kg N)[2]	0,013	5,58
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	175.443.570	(kg N2O-N/kg N)[2]	0,013	3,45
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)	36.058.934	(kg N2O-N/kg dry biomass)[2]	0,013	0,71
Crop Residue	Dry production of other crops (kg dry biomass/yr)	55.941.463	(kg N2O-N/kg dry biomass)[2]	0,013	1,10
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N2O-N/ha)[2]	8,000	0,23
Animal Production	**N excretion on pasture range and paddock (kg N/yr)**	33.433.774	**(kg N2O-N/kg N)[2]**	**0,020**	1,05
Indirect Emissions					**10,01**
Atmospheric Deposition	(kg N/yr)	88.624.267	(kg N2O-N/kg N)[2]	0,010	1,39
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	219.333.333	(kg N2O-N/kg N)[2]	0,025	8,62
Other *(please specify)*					**0,18**
Industrial waste used as fertilizer	(kg N/yr)	4.543.188	(kg N2O-N/kg N)[2]	0,013	0,09
Sewage sludge used as fertilizer	(kg N/yr)	4.460.014	(kg N2O-N/kg N)[2]	0,013	0,09
				0,000	

Additional information

Fraction [a]	Description	Value
$Frac_{BURN}$	Fraction of crop residue burned	NO
$Frac_{FUEL}$	Fraction of livestock N excretion in excrements burned for fuel	NO
$Frac_{GASF}$	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH_3 and NOx	0,02
$Frac_{GASM}$	Fraction of livestock N excretion that volatilizes as NH_3 and NOx	0,24
$Frac_{GRAZ}$	Fraction of livestock N excreted and deposited onto soil during grazing	0,13
$Frac_{LEACH}$	Fraction of N input to soils that is lost through leaching and runoff	0,38
$Frac_{NCRBF}$	Fraction of N in non-N-fixing crop	NE
$Frac_{NCRO}$	Fraction of N in N-fixing crop	NE
$Frac_{R}$	Fraction or crop residue removed from the field as crop	NE

[a] Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

[1] See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO_2 emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

[2] To convert from N_2O-N to N_2O emissions, multiply by 44/28.

Documentation box:

The fractions FracNCRBF, FracNCRO and FracR will be reported together with the emission inventory for year 2003.

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE

Denmark

Prescribed Burning of Savannas

1996

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH_4	N_2O	CH_4	N_2O
(specify ecological zone)								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

Does not occur in Denmark.

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH_4 (kg/t dm)	N_2O (kg/t dm)	CH_4 (Gg)	N_2O (Gg)
1. Cereals									**0,00**	**0,00**
Wheat							0,00	0,00		
Barley							0,00	0,00		
Maize							0,00	0,00		
Oats							0,00	0,00		
Rye							0,00	0,00		
Rice							0,00	0,00		
Other *(please specify)*									0,00	0,00
							0,00	0,00		
2. Pulse [1]									**0,00**	**0,00**
Dry bean							0,00	0,00		
Peas							0,00	0,00		
Soybeans							0,00	0,00		
Other *(please specify)*									0,00	0,00
							0,00	0,00		
3 Tuber and Root									**0,00**	**0,00**
Potatoes							0,00	0,00		
Other *(please specify)*									0,00	0,00
							0,00	0,00		
4 Sugar Cane							**0,00**	**0,00**		
5 Other *(please specify)*									**0,00**	**0,00**
							0,00	0,00		

[1] To be used in Table 4.D of this common reporting format.

Documentation Box:
According to Danish law field burning of Agriculture Residues is forbidden since year 1990.

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	Net CO_2 emissions/ removals	CH_4	N_2O	NO_x	CO
	(Gg)						
Total Land-Use Change and Forestry	**0,00**	**-3.064,00**	**-3.064,00**	**0,00**	**0,00**	**0,00**	**0,00**
A. Changes in Forest and Other Woody Biomass Stocks	**0,00**	**-3.064,00**	**-3.064,00**				
1. Tropical Forests	NO	NO	0,00				
2. Temperate Forests	NA	-3.048,00	-3.048,00				
3. Boreal Forests	NO	NO	0,00				
4. Grasslands/Tundra			0,00				
5. Other *(please specify)*	0,00	-16,00	-16,00				
Harvested Wood[1]	NE	NE	0,00				
Afforestation since 1990	NA	-16,00	-16,00				
B. Forest and Grassland Conversion[2]	**0,00**			**0,00**	**0,00**	**0,00**	**0,00**
1. Tropical Forests	NO			NO	NO	NO	NO
2. Temperate Forests	NO			NO	NO	NO	NO
3. Boreal Forests	NO			NO	NO	NO	NO
4. Grasslands/Tundra	NE			NE	NE	NE	NE
5. Other *(please specify)*	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	**0,00**	**0,00**	**0,00**				
1. Tropical Forests	NO	NO	0,00				
2. Temperate Forests	NO	NO	0,00				
3. Boreal Forests	NO	NO	0,00				
4. Grasslands/Tundra	NO	NO	0,00				
5. Other *(please specify)*	0,00	0,00	0,00				
			0,00				
D. CO_2 Emissions and Removals from Soil	**0,00**	**0,00**	**0,00**				
Cultivation of Mineral Soils	NE	NE	0,00				
Cultivation of Organic Soils	NE	NE	0,00				
Liming of Agricultural Soils	NE	NE	0,00				
Forest Soils	NE	NE	0,00				
Other *(please specify)*[3]	0,00	0,00	0,00				
			0,00				
E. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
			0,00				

[1] Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17)

[2] Include only the emissions of CC_2 from Forest and Grassland Conversion. Associated removals should be reported under section D

[3] Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1996
2004, May 19

Changes in Forest and Other Woody Biomass Stocks

(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	*Acacia spp.*	NO	NO	0,00	NO
		Eucalyptus spp.	NO	NO	0,00	NO
		Tectona grandis	NO	NO	0,00	NO
		Pinus spp	NO	NO	0,00	NO
		Pinus caribaea	NO	NO	0,00	NO
		Mixed Hardwoods	NO	NO	0,00	NO
		Mixed Fast-Growing Hardwoods	NO	NO	0,00	NO
		Mixed Softwoods	NO	NO	0,00	NO
	Other Forests	Moist	NO	NO	0,00	NO
		Seasonal	NO	NO	0,00	NO
		Dry	NO	NO	0,00	NO
	Other *(specify)*		NO	NO	0,00	NO
			NO	NO	0,00	NO
Temperate	Plantations	Conifers (before 1990)	268,00	8,86	4,43	1.187,40
		Broadleaves (bef. 1990)	143,00	5,30	2,65	379,00
	Commercial	Evergreen	NO	NO	0,00	NO
		Deciduous	NO	NO	0,00	NO
	Other *(specify)*		NE	NE	0,00	NE
			NE	NE	0,00	NE
Boreal			NO	NO	0,00	NO
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees *(specify type)*						0,00
			NE	NE	0,00	NE
					Total annual growth increment (Gg C)	1.566,40
					Gg CO_2	5.743,47

	Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)
Total biomass removed in Commercial Harvest	1.470,00	0,50	735,00
Traditional Fuelwood Consumed	NO	0,00	NO
Total Other Wood Use	NO	0,00	NO
		Total Biomass Consumption from Stock[1] (Gg C)	735,00
		Other Changes in Carbon Stocks[2] (Gg C)	NE
		Gg CO_2	2.695,00

Net annual carbon uptake (+) or release (-) (Gg C	831,40
Net CO_2 emissions (-) or removals (+) (Gg $C(_2)$	3.048,47

[1] Make sure that the quantity of biomass burned off-site is subtracted from this tot

[2] The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Forest and Grassland Conversion

(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION							IMPLIED EMISSION FACTORS					EMISSIONS				
		On and off site burning				Decay of above-ground biomass[1]			Burning				Decay	Burning				Decay
									On site			Off site		On site			Off site	
		Area converted annually	Annual net loss of biomass	Quantity of biomass burned		Average area converted	Average annual net loss of biomass	Average quantity of biomass left to decay	CO_2	CH_4	N_2O	CO_2	CO_2	CO_2	CH_4	N_2O	CO_2	CO_2
				On site	Off site													
Vegetation types		(kha)	(kt dm)	(kt dm)	(kt dm)	(kha)	(t dm/ha)	(kt dm)	(t/ha)					(Gg)				
Tropical	Wet/Very Moist	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Moist, short dry season	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Moist, long dry season	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Dry	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Montane Moist	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Montane Dry	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Tropical Savanna/Grasslands		NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Temperate	Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Broadleaf	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Mixed Broadleaf/ Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Grasslands		NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Boreal	Mixed Broadleaf/ Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Forest-tundra	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Grasslands/Tundra		NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Other *(please specify)*									0,00	0,00	0,00	0,00	0,00					
									0,00	0,00	0,00	0,00	0,00					
Total														0,00	0,00	0,00	0,00	0,00

[1] Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO_2 emissions (Gg CO_2)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark

Abandonment of Managed Lands

1996

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing [1]		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
Original natural ecosystems		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other *(please specify)*								0,00	0,00		
								0,00	0,00		

Total annual carbon uptake (Gg C)	0,00
Total annual CO_2 removal (Gg CO_2)	0,00

[1] If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

CO_2 Emissions and Removals from Soil

(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils [1]			**0,00**
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other *(please specify)*			0,00
		0,00	
	Land area (ha)	**Annual loss rate (Mg C/ha/yr)**	**Carbon emissions from organic soils (Mg C/yr)**
Cultivation of Organic Soils			**0,00**
Cool Temperate			**0,00**
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			**0,00**
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			**0,00**
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	**Carbon conversion factor**	**Carbon emissions from liming (Mg C)**
Liming of Agricultural Soils			**0,00**
Limestone $Ca(CO_3)$		0,00	
Dolomite $CaMg(CO_3)_2$		0,00	

Total annual net carbon emissions from agriculturally impacted soils (Gg C)	0,00
Total annual net CO_2 emissions from agriculturally impacted soils (Gg CO_2)	0,00

Additional information

Year	Climate [a]	land-use/ management system [a]	Soil type: High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
			percent distribution (%)					
20 years prior	*(e.g. tropical, dry)*	*(e.g. savanna)*						
		(e.g. irrigated cropping)						
inventory year								

[a] These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

[1] The information to be reported under Culitvation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2[(1)]	CH_4	N_2O	NO_x	CO	NMVOC	SO_2
	(Gg)						
Total Waste	**0,00**	**62,20**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
A. Solid Waste Disposal on Land	**0,00**	**62,20**		**0,00**	**0,00**	**0,00**	
1. Managed Waste Disposal on Land	NE	62,20		NO	NO	NO	
2. Unmanaged Waste Disposal Sites	0,00	0,00		NO	NO	NO	
3. Other *(please specify)*	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	
1. Industrial Wastewater		0,00	NE	NE	NE	NE	
2. Domestic and Commercial Wastewater		0,00	0,00	NE	NE	NE	
3. Other *(please specify)*		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	**0,00**	**0,00**	**0,00**	**IE**	**IE**	**IE**	**IE**
D. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**

(1) Note that CO_2 from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS[1]	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH_4 recovery [2] (Gg)	CH_4 (t /t MSW)	CO_2 (t /t MSW)	CH_4 (Gg)	CO_2[3] (Gg)
1 Managed Waste Disposal on Land	2.507,00	1,00	See doc box	6,64	0,02	#VALUE!	62,20	NE
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	NO				0,00	0,00	NO	NO
- shallow (<5 m)	NO				0,00	0,00	NO	NO
3 Other *(please specify)*							0,00	0,00
					0,00	0,00		

Additional information

Description	Value
Total population (1000s)[a]	See doc b
Urban population (1000s)[a]	See doc b
Waste generation rate (kg/capita/day)	See doc b
Fraction of MSW disposed to SWDS	See doc b
Fraction of DOC in MSW	0,50
Fraction of wastes incinerated	See doc b
Fraction of wastes recycled	See doc b
CH4 oxidation factor (b)	0,10
CH_4 fraction in landfill gas	0,45
Number of SWDS recovering CH_4	14,00
CH_4 generation rate constant (k) [c]	0,07
Time lag considered (yr) [c]	10,00
Composition of landfilled waste (%)	See doc b
Paper and paperboard	See doc b
Food and garden waste	See doc b
Plastics	See doc b
Glass	See doc b
Textiles	See doc b
Other *(specify)*	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO_2 (kg/t waste)	CH_4 (kg/t waste)	N_2O (kg/t waste)	CO_2 [3] (Gg)	CH_4 (Gg)	N_2O (Gg)
Waste Incineration *(please specify)*	0,00				0,00	0,00	0,00
(biogenic) [3]		0,00	0,00	0,00	IE	IE	IE
(plastics and other non-biogenic waste) [3]		0,00	0,00	0,00	IE	IE	IE
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

(1) Actual emissions (after recovery).

(2) CH_4 recovered and flared or utilized.

(3) Under Waste Disposal, CO_2 emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO_2 emissions from non-biogenic wastes are included in the totals, while the CO_2 emissions from biogenic wastes are not included in the totals.

(a) Specify whether total or urban population is used and the rationale for doing so.

(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

(c) For Parties using Tier 2 methods.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

6. A 1 and "addtional information": MSW is according to Danish registration of Waste deposited (ISAG database). Composition of the waste according to this database is described in the NIR 2004.
Emission is based on a first order decay model suited to Danish conditions. The DOC degraded is integral data in the model. Some parameters of the model is given above where "time lag" is given as half-life of the Carbon in the waste. The data on population size etc not provided is not used in the model. See further information in the NIR 2004
6. C: Emissions from waste inceneration plants are included in Table 1A.1a Public electricity and heat production. No waste is combusted at waste disposal sites

TABLE 6.B SECTORAL BACKGROUND DATA FOR WASTE
Wastewater Handling
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND RELATED INFORMATION[1]				IMPLIED EMISSION FACTOR			EMISSIONS[2]		
	Total organic product		CH_4 recovered and/or flared		CH_4		N_2O[3]	CH_4		N_2O[3]
	Wastewater	Sludge	Wastewater	Sludge	Wastewater	Sludge		Wastewater	Sludge	
	(Gg DC[1]/yr)		(Gg)		(kg/kg DC)		(kg/kg DC)	(Gg)		(Gg)
Industrial Wastewater	NE	NE			0,00	0,00		NE	NE	NE
Domestic and Commercial Wastewater	NE	NE			0,00	0,00		NE	NE	NE
Other *(please specify)*								0,00	0,00	0,00
					0,00	0,00				

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR	EMISSIONS
	Population[4] (1000s)	Protein consumption (protein in kg/person/yr)	N fraction (kg N/kg protein)	N_2O (kg N_2O-N/kg sewage N produced)	N_2O (Gg)
N_2O from human sewage[3]				0,00	NE

[1] DC - degradable organic component. DC indicators are COD (Chemical Oxygen Demand) for industrial wastewater and BOD (Biochemical Oxygen Demand) for Domestic/Commerc wastewater/sludge (IPCC Guidelines (Volume 3. Reference Manual, pp. 6.14, 6.18)).

[2] Actual emissions (after recovery)

[3] Parties using other methods for estimation of N_2O emissions from human sewage or wastewater treatment should provide corresponding information on methods, activity da and emission factors used in the documentation box. Use the table to provide aggregate data.

[4] Specify whether total or urban population is used in the calculations and the rationale for doing so. Provide explanation in the documentation box.

Documentation box:

6 B. The Danish wastewater handling systems are believed to produce emissions of only minor importance. Basically the handling systems are considered anaerobic and thereby the CH4 emissions to be low or negligible. Estimation and documentation of the emissions from waste water handling systems will be worked upon and included in the next submission.

Additional information

	Domestic	Industrial
Total wastewater (m^3):		
Treated wastewater (%):		

Wastewater streams:	Wastewater output (m^3)	DC ($kgCOD/m^3$)
Industrial wastewater		
Iron and steel		
Non-ferrous		
Fertilizers		
Food and beverage		
Paper and pulp		
Organic chemicals		
Other *(specify)*		
	DC (kg BOD/1000 person/yr)	
Domestic and Commercial		
Other		

Handling systems:	Industrial wastewater treated (%)	Ind. sludge treated (%)	Domestic wastewater treated (%)	Domestic sludge treated (%)
Aerobic				
Anaerobic				
Other *(specify)*				

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 1 of 3)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
					P	A	P	A	P	A				
	(Gg)				CO_2 equivalent (Gg)						(Gg)			
Total National Emissions and Removals	**74.529,37**	**-3.064,00**	**287,79**	**30,04**	**1.220,22**	**329,30**	**21,00**	**1,66**	**0,01**	**0,00**	**312,04**	**747,37**	**156,88**	**174,09**
1. Energy	**72.973,89**		**37,36**	**2,96**							**311,50**	**747,37**	**115,03**	**174,09**
A. Fuel Combustion — Reference Approach[2]	71.208,00													
A. Fuel Combustion — Sectoral Approach[2]	72.573,52		27,98	2,95							309,46	701,52	105,50	171,25
1. Energy Industries	44.376,34		14,94	1,44							126,78	13,37	4,42	144,09
2. Manufacturing Industries and Construction	6.649,96		1,65	0,21							29,53	16,76	4,04	15,67
3. Transport	12.029,33		3,98	0,94							111,01	455,67	74,95	3,92
4. Other Sectors	9.341,97		7,40	0,35							41,21	215,11	21,98	7,55
5. Other	175,92		0,01	0,01							0,94	0,60	0,11	0,02
B. Fugitive Emissions from Fuels	400,38		9,38	0,01							2,04	45,85	9,53	2,83
1. Solid Fuels	0,00		6,36	0,00							0,00	44,52	0,00	0,00
2. Oil and Natural Gas	400,38		3,02	0,01							2,04	1,32	9,53	2,83
2. Industrial Processes	**1.438,99**		**0,00**	**2,69**	**1.220,22**	**329,30**	**21,00**	**1,66**	**0,01**	**0,00**	**0,54**	**0,00**	**0,81**	**0,00**
A. Mineral Products	1.402,07		0,00	0,00							0,00	0,00	0,10	0,00
B. Chemical Industry	1,74		0,00	2,69	0,00	0,00	0,00	0,00	0,00	0,00	0,54	0,00	0,11	0,00
C. Metal Production	35,19		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production [3]	NE										0,00	0,00	0,60	0,00
E. Production of Halocarbons and SF_6						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF_6					1.220,22	329,30	21,00	1,66	0,01	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

[1] The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

[2] For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculatic using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

[3] Other Production includes Pulp and Paper and Food and Drink Production

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of referenc

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs [1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
					P	A	P	A	P	A				
	(Gg)				CO_2 equivalent (Gg)						(Gg)			
3. Solvent and Other Product Use	**116,48**			**0,00**									**39,72**	
4. Agriculture	**0,00**	**0,00**	**188,24**	**24,39**							0,00	0,00	1,31	0,00
A. Enteric Fermentation			146,72											
B. Manure Management			41,52	2,09									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	[4]	[4]	0,00	22,30									1,31	
E. Prescribed Burning of Savannas			0,00	0,00							NO	NO	NO	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	[5] **0,00**	[5] **-3.064,00**	**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
A. Changes in Forest and Other Woody Biomass Stocks	[5] 0,00	[5] -3.064,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00							0,00	0,00	NE	
C. Abandonment of Managed Lands	[5] 0,00	[5] 0,00												
D. CO_2 Emissions and Removals from Soil	[5] 0,00	[5] 0,00												
E. Other	[5] 0,00	[5] 0,00	0,00	0,00							0,00	0,00		
6. Waste	**0,00**		**62,20**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
A. Solid Waste Disposal on Land	[6] 0,00		62,20									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	[6] 0,00		0,00	0,00							IE	IE	IE	IE
D. Other	0,00		0,00	0,00							0,00	0,00	0,00	0,00
7. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**

[4] According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO_2 emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO_2 emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

[5] Please do not provide an estimate of both CO_2 emissions and CO_2 removals. "Net" emissions (emissions - removals) of CO_2 should be estimated and a single number placed in either the CO_2 emissions or CO_2 removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

[6] Note that CO_2 from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs		PFCs		SF_6		NO_x	CO	NMVOC	SO_2
					P	A	P	A	P	A				
	(Gg)				CO_2 equivalent (Gg)				(Gg)					
Memo Items: [7]														
International Bunkers	**6.772,87**		**0,14**	**0,37**							**139,42**	**12,66**	**3,85**	**71,60**
Aviation	1.970,16		0,03	0,07							7,92	1,48	0,33	0,06
Marine	4.802,71		0,11	0,30							131,50	11,19	3,52	71,54
Multilateral Operations	**0,00**		**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
CO_2 Emissions from Biomass	**6.608,91**													

[7] Memo Items are not included in the national totals

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
						P	A	P	A	P	A				
		(Gg)				CO_2 equivalent (Gg)						(Gg)			
Total National Emissions and Removals		**74.529,37**	**-3.064,00**	**287,79**	**30,04**	**1.220,22**	**329,30**	**21,00**	**1,66**	**0,01**	**0,00**	**312,04**	**747,37**	**156,88**	**174,09**
1. Energy		**72.973,89**		**37,36**	**2,96**							**311,50**	**747,37**	**115,03**	**174,09**
A. Fuel Combustion	Reference Approach[2]	71.208,00													
	Sectoral Approach[2]	72.573,52		27,98	2,95							309,46	701,52	105,50	171,25
B. Fugitive Emissions from Fuels		400,38		9,38	0,01							2,04	45,85	9,53	2,83
2. Industrial Processes		**1.438,99**		**0,00**	**2,69**	**1.220,22**	**329,30**	**21,00**	**1,66**	**0,01**	**0,00**	**0,54**	**0,00**	**0,81**	**0,00**
3. Solvent and Other Product Use		**116,48**			**0,00**							**0,00**	**0,00**	**39,72**	**0,00**
4. Agriculture [3]		**0,00**	**0,00**	**188,24**	**24,39**							**0,00**	**0,00**	**1,31**	**0,00**
5. Land-Use Change and Forestry		[4] **0,00**	[4] **-3.064,00**	**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
6. Waste		**0,00**		**62,20**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
7. Other		**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
Memo Items:															
International Bunkers		**6.772,87**		**0,14**	**0,37**							**139,42**	**12,66**	**3,85**	**71,60**
Aviation		1.970,16		0,03	0,07							7,92	1,48	0,33	0,06
Marine		4.802,71		0,11	0,30							131,50	11,19	3,52	71,54
Multilateral Operations		**0,00**		**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
CO_2 Emissions from Biomass		**6.608,91**													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

[1] The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

[2] For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table1.A Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

[3] See footnote 4 to Summary 1.A

[4] Please do not provide an estimate of both CO_2 emissions and CO_2 removals. "Net" emissions (emissions - removals) of CO_2 should be estimated and a single number placed in either the CO_2 emissions or CO_2 removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO_2 EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 [1]	CH_4	N_2O	HFCs	PFCs	SF_6	Total
	CO_2 equivalent (Gg)						
Total (Net Emissions) [1]	**71.465,37**	**6.043,69**	**9.313,29**	**329,30**	**1,66**	**60,99**	**87.214,31**
1. Energy	**72.973,89**	**784,61**	**917,69**				**74.676,20**
A. Fuel Combustion (Sectoral Approach)	72.573,52	587,62	915,51				74.076,64
1. Energy Industries	44.376,34	313,68	445,73				45.135,76
2. Manufacturing Industries and Construction	6.649,96	34,70	65,61				6.750,26
3. Transport	12.029,33	83,56	292,88				12.405,76
4. Other Sectors	9.341,97	155,49	109,15				9.606,61
5. Other	175,92	0,19	2,14				178,25
B. Fugitive Emissions from Fuels	400,38	197,00	2,18				599,56
1. Solid Fuels	0,00	133,63	0,00				133,63
2. Oil and Natural Gas	400,38	63,37	2,18				465,92
2. Industrial Processes	**1.438,99**	**0,00**	**834,32**	**329,30**	**1,66**	**60,99**	**2.665,27**
A. Mineral Products	1.402,07	0,00	0,00				1.402,07
B. Chemical Industry	1,74	0,00	834,32	0,00	0,00	0,00	836,06
C. Metal Production	35,19	0,00	0,00		0,00	9,56	44,75
D. Other Production	NE						0,00
E. Production of Halocarbons and SF_6				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF_6				329,30	1,66	51,43	382,39
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	**116,48**		**0,00**				**116,48**
4. Agriculture	**0,00**	**3.952,97**	**7.561,27**				**11.514,25**
A. Enteric Fermentation		3.081,15					3.081,15
B. Manure Management		871,82	646,83				1.518,65
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils [2]		0,00	6.914,44				6.914,44
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry [1]	**-3.064,00**	**0,00**	**0,00**				**-3.064,00**
6. Waste	**0,00**	**1.306,11**	**0,00**				1.306,11
A. Solid Waste Disposal on Land	0,00	1.306,11					1.306,11
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
							0,00
Memo Items:							
International Bunkers	**6.772,87**	**3,00**	**114,96**				**6.890,84**
Aviation	1.970,16	0,72	21,24				1.992,12
Marine	4.802,71	2,29	93,72				4.898,72
Multilateral Operations	**0,00**	**0,00**	**0,00**				**0,00**
CO_2 Emissions from Biomass	**6.608,91**						**6.608,91**

[1] For CO_2 emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).
[2] See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	Net CO_2 emissions / removals	CH_4	N_2O	Total emissions
Land-Use Change and Forestry	CO_2 equivalent (Gg)					
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-3.064,00	-3.064,00			-3.064,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO_2 Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO_2 Equivalent Emissions from Land-Use Change and Forestry	0,00	-3.064,00	-3.064,00	0,00	0,00	-3.064,00

Total CO_2 Equivalent Emissions without Land-Use Change and Forestry [a]	90.278,31
Total CO_2 Equivalent Emissions with Land-Use Change and Forestry [a]	87.214,31

[a] The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 1 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6	
	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]
1. Energy												
A. Fuel Combustion	C	CS	C	CS/C	C	C						
1. Energy Industries	C	CS	C	CS/C	C	C						
2. Manufacturing Industries and Construction	C	CS	C	CS/C	C	C						
3. Transport	M/C	CS	M/C	M/C	M/C	M/C						
4. Other Sectors	C	CS	C	CS/C	C	C						
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels	NO		D	D	NO							
2. Oil and Natural Gas	C	C	C	C	C	C						
2. Industrial Processes												
A. Mineral Products	CS	CS	NO		NO							
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF_6							NO		NO		NO	
F. Consumption of Halocarbons and SF_6							M/CS	CS	M/CS	CS	M/CS	CS
G. Other												

[1] Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

[2] Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 2 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6	
	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation			T1/T2	CS								
B. Manure Management			T2	CS								
C. Rice Cultivation			NO									
D. Agricultural Soils	NE		NE		CS/M	CS/M						
E. Prescribed Burning of Savannas			NO									
F. Field Burning of Agricultural Residues			NO		NO							
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO_2 Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land	NO		CS/M	CS/M								
B. Wastewater Handling			NE		NE							
C. Waste Incineration	IE		IE		IE							
D. Other												
7. Other *(please specify)*												

TABLE 7 OVERVIEW TABLE[(1)] FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6		NO_x		CO		NMVOC		SO_2	
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality
Total National Emissions and Removals																				
1 Energy																				
A. Fuel Combustion Activities																				
Reference Approach	ALL	H																		
Sectoral Approach	ALL																			
1. Energy Industries	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	M	ALL	H
2. Manufacturing Industries and Construction	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	M	ALL	H
3. Transport	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	H	ALL	H
4. Other Sectors	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	M	ALL	H
5. Other																				
B. Fugitive Emissions from Fuels																				
1. Solid Fuels	NO		ALL	L																
2. Oil and Natural Gas	ALL	L	ALL	L																
2 Industrial Processes																				
A. Mineral Products	ALL	M																		
B. Chemical Industry																				
C. Metal Production																				
D. Other Production																				
E. Production of Halocarbons and SF_6							NO		NO		NO									

[(1)] This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6		NO_x		CO		NMVOC		SO_2	
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality
2 Industrial Processes (continued)																				
F. Consumption of Halocarbons and SF_6																				
Potential [2]							ALL	M	ALL	M	ALL	M								
Actual [3]							ALL	M	ALL	M	ALL	M								
G. Other																				
3 Solvent and Other Product Use																				
4 Agriculture																				
A. Enteric Fermentation			ALL	H																
B. Manure Management			ALL	M	ALL	M											NE			
C. Rice Cultivation			NO														NO			
D. Agricultural Soils	NE		NE		ALL	M											ALL	L		
E. Prescribed Burning of Savannas			NO		NO								NO		NO		NO		NO	
F. Field Burning of Agricultural Residues			NO		NO								NO		NO		NO		NO	
G. Other																				
5 Land-Use Change and Forestry																				
A. Changes in Forest and Other Woody Biomass Stocks																				
B. Forest and Grassland Conversion																				

[2] Potential emissions based on Tier 1 approach of the IPCC Guidelines.
[3] Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 3 of 3)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6		NO_x		CO		NMVOC		SO_2	
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality
5 Land-Use Change and Forestry (continued)																				
C. Abandonment of Managed Lands																				
D. CO_2 Emissions and Removals from Soil																				
E. Other																				
6 Waste																				
A. Solid Waste Disposal on Land			ALL	M											NO		NO			
B. Wastewater Handling			NE		NE								NE		NE		NE			
C. Waste Incineration			IE										IE		IE		IE			
D. Other																				
7 Other *(please specify)*																				
Memo Items:																				
International Bunkers																				
Aviation	ALL	H	ALL	L	ALL	L							ALL	H	ALL	H	ALL	H	ALL	H
Marine	ALL	H	ALL	L	ALL	L							ALL	H	ALL	H	ALL	H	ALL	H
Multilateral Operations																				
CO_2 Emissions from Biomass																				

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated year: 2004

(Sheet 1 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO_2			CH_4			N_2O		
		Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]
		CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)
Total National Emissions and Removals		**71.421,54**	**71.465,37**	**0,06**	**6.029,80**	**6.043,69**	**0,23**	**9.758,26**	**9.313,29**	**-4,56**
1. Energy		**73.050,93**	**72.973,89**	**-0,11**	**765,26**	**784,61**	**2,53**	**916,16**	**917,69**	**0,17**
1.A.	Fuel Combustion Activities	72.650,55	72.573,52	-0,11	568,27	587,62	3,41	913,98	915,51	0,17
1.A.1.	Energy Industries	44.412,23	44.376,34	-0,08	307,67	313,68	1,96	451,03	445,73	-1,17
1.A.2.	Manufacturing Industries and Construction	6.888,29	6.649,96	-3,46	35,15	34,70	-1,29	63,95	65,61	2,59
1.A.3.	Transport	11.975,95	12.029,33	0,45	83,01	83,56	0,66	292,43	292,88	0,15
1.A.4.	Other Sectors	9.198,17	9.341,97	1,56	142,25	155,49	9,31	104,42	109,15	4,52
1.A.5.	Other	175,92	175,92	0,00	0,19	0,19	0,00	2,14	2,14	0,00
1.B.	Fugitive Emissions from Fuels	400,38	400,38	0,00	197,00	197,00	0,00	2,18	2,18	0,00
1.B.1.	Solid fuel	0,00	0,00	0,00	133,63	133,63	0,00	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	400,38	400,38	0,00	63,37	63,37	0,00	2,18	2,18	0,00
2. Industrial Processes		**1.388,14**	**1.438,99**	**3,66**	**0,00**	**0,00**	**0,00**	**0,00**	**834,32**	**0,00**
2.A.	Mineral Products	1.388,14	1.402,07	1,00	0,00	0,00	0,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	1,74	0,00	0,00	0,00	0,00	0,00	834,32	0,00
2.C.	Metal Production	0,00	35,19	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	NE	0,00						
2.G.	Other	0,00	0,00	0,00			0,00			0,00
3. Solvent and Other Product Use		**116,48**	**116,48**	**0,00**						**0,00**
4. Agriculture		**0,00**	**0,00**	**0,00**	**3.960,44**	**3.952,97**	**-0,19**	**8.842,09**	**7.561,27**	**-14,49**
4.A.	Enteric Fermentation				3.036,79	3.081,15	1,46			
4.B.	Manure Management				923,65	871,82	-5,61	486,95	646,83	32,83
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils [2]			0,00	0,00	0,00	0,00	8.355,14	6.914,44	-17,24
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		**-3.134,00**	**-3.064,00**	**-2,23**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
5.A.	Changes in Forest and Other Woody Biomass Stocks	-3.134,00	-3.064,00	-2,23						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO_2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

[1] Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission.
All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

[2] See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated year: 2004

(Sheet 2 of 2)

Denmark
1996
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2			CH_4			N_2O		
	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]
	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)
6. Waste	**0,00**	**0,00**	**0,00**	**1.304,10**	**1.306,11**	**0,15**	**0,00**	**0,00**	**0,00**
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.304,10	1.306,11	0,15			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
			0,00			0,00			0,00
Memo Items:									
International Bunkers	**6.790,13**	**6.772,87**	**-0,25**	**3,01**	**3,00**	**-0,27**	**115,29**	**114,96**	**-0,29**
Multilateral Operations	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
CO_2 Emissions from Biomass	**6.448,51**	**6.608,91**	**2,49**						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF_6		
	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]
	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)
Total Actual Emissions	**370,80**	**329,30**	**-11,19**	**2,93**	**1,66**	**-43,42**	**60,99**	**60,99**	**0,00**
2.C.3. Aluminium Production				0,00	0,00	0,00	9,56	9,56	0,00
2.E. Production of Halocarbons and SF_6	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF_6	370,80	329,30	-11,19	2,93	1,66	-43,42	51,43	51,43	0,00
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF_6	**1.402,96**	**1.220,22**		**21,00**	**21,00**		**253,34**	**253,34**	

	Previous submission	Latest submission	Difference[1]
	CO_2 equivalent (Gg)		(%)
Total CO_2 Equivalent Emissions with Land-Use Change and Forestry[3]	87.644,33	87.214,31	-0,49
Total CO_2 Equivalent Emissions without Land-Use Change and Forestry[3]	90.778,33	90.278,31	-0,55

[3] The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
1996
2004, May 19

Specify the sector and source/sink category[1] where changes in estimates have occurred:		GHG	RECALCULATION DUE TO			
			CHANGES IN:			Addition/removal/ replacement of source/sink categories
			Methods [2]	Emission factors [2]	Activity data [2]	
1.A.1-.3	Energy	CO2, CH4, N2O	Fuel Consumption rates have been recalculated as a result of recalculation of off road machinery. Emission factors for combined heat and power plants have been improved based on new measurements	Yes	Yes	Addition of CO2 from production of glass
1.A.4.b	Residential	CO2, CH4, N2O	A revision of the model estimating the fuel use household and gardening machinery has been made. For further information see the Danish NIR report.	No changes in background emission factors. The aggregated emission factors changes due to a change in fuel distribution	Yes	
1.A.4.c	Agriculture/Forestry/Fisheries	CO2, CH4, N2O	Some of the diesel fuel used by fishing vessels is transfered to the sector Navigation (small boats). A revision of the model estimating the fuel use by agricultural and forestry machinery has been made. For further information see the Danish NIR report.	No changes in background emission factors. The aggregated emission factors changes due to a change in fuel distribution	Yes	
1.A.3.d	Navigation	CO2, CH4, N2O	The fuel used by small boats and plesurecrafts has been revised, and is now taken from the fishery sector in the Danish fuel sale statistics. For further information see the Danish NIR report.	No changes in background emission factors. The aggregated emission factors changes due to a change in fuel distribution	Yes	
1.A.3.c	Railways	CH4	Updated CH4 emission factors for diesel are used based on real emission measurements carried out by the Danish Railways. For gasoline the minor amount of fuel used by railways is transfered to road transport.	Yes	Yes	
2A	Mineral products	CO2				Addition of CO2 from production of glass
2B	Chemical industry	CO2, N2O				Addition of CO2 from production of catalysts and NPK fertilisers and N2O from production of nitric acid
2C	Metal production	CO2				Addition of CO2 from use of metallurgical coke at steelwork
2F	Consumption of Halocarbons and S	HFCs and PFC	Revision of methodology as part of a full revision for the whole time-series	Yes	Yes	
4	Agriculture	CH4	The revised CH4 emission from both enteric fermentation and manure management reflects changes in fodder conditions and stable systems for each year. The emission factor for all animal categories is based on tier 2 approach as given in IPPC Guidelines.	Yes	Yes	
4	Agriculture	N2O	The most important changes in the N2O emission is due to recalculation made by the Danish Institute of Agricultural Sciences of N-leaching and recalculation of emission from crop residue.	Yes	Yes	
6	Waste	CH4	Minor corrections of the emission factors were made to make full agreement between activities and emissions reported in the CRF and the First Order Decay model used for the CH4 emission estimates.	Yes	Yes	

[1] Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)) .

[2] Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1996
2004, May 19

Sources and sinks not reported (NE)[1]			
GHG	**Sector[2]**	**Source/sink category[2]**	**Explanation**
CO_2	Waste	Wastewater handling	Wastewater handling systems are considered to produce only negligible emissions.
	2. Industrial Processes	Asphalt roofing and road paving	An inventory is under development
	2. Industrial Processes	Limestone, dolomite and soda ash use	At present the emissions are included in glass production and it will be investigated whether a more detailed inventory can be established
CH_4	Waste	Wastewater handling	Wastewater handling systems are considered to produce only minor emissions, to be investigated
	Agriculture, Enteric fermentation - table 4s1 + table 4.A	Poultry and fur farming	The methane convension factor for poultry and fur farming is not estimated. There is no default value recommended in IPCC (table A-4 in GPG)
	Agricultural soils	Direct soil emissions	The CH4 emission from manure storage in the field is not estimated
	Agricultural soils	Indirect emissions	The CH4 emission from cultivation of organogenic soil is not estimated
N_2O	Waste	Wastewater handling	Wastewater handling systems are considered to produce only minor emissions, to be investigated
HFCs			
PFCs			
SF_6			

Sources and sinks reported elsewhere (IE)[3]				
GHG	**Source/sink category**	**Allocation as per IPCC Guidelines**	**Allocation used by the Party**	**Explanation**
CO_2	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
CH_4	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
	Agricultural soils, animal production	4s2	4s1	CH4 emission caculated in 4s1 under B Manure Management includes emission from animal on grass
N_2O	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
HFCs				
PFCs				
SF_6				

[1] Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

[2] Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

[3] Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
1996
2004, May 19

Additional GHG emissions reported[4]						
GHG	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO_2 equivalent (Gg)	Reference to the data source of GWP value	Explanation

[4] Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION[1]

Party: Denmark **Year:** 1996

Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, Danish National Environmental Research Institute		
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde		
	Telephone:	+ 45 46 30 12 89	Fax: + 45 46 30 12 12	E-mail: jbi@dmu.dk
	Main institution preparing the inventory:	Danish National Environmental Research Institute, Ministry of the Environment		

General info:	Date of submission:	15-apr-04		
	Base years:	1990	PFCs, HFCs, SF_6:	1995
	Year covered in the submission:	1990-2002		
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6		
	Omissions in geographic coverage:			

		Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste
Tables:	Sectoral report tables:	☑	☑	☑	☑	☑	☑
	Sectoral background data tables:	☑	☑	☑	☑	☑	☑
	Summary 1 (IPCC Summary tables):	IPCC Table 7A:		☑	IPCC Table 7B:		☑
	Summary 2 (CO_2 equivalent emissions):			☑			
	Summary 3 (Methods/Emission factors):			☑			
	Uncertainty:	IPCC Table 8A:		☐	National information:		☑
	Recalculation tables:			☑			
	Completeness table:			☑			
	Trend table:			☐			

CO_2	Comparison of CO_2 from fuel combustion:	Worksheet 1-1	Percentage of difference	Explanation of differences
		☑	-1,25	☑

		Energy	Ind.Processes	Solvent Use	LUCF	Agriculture	Waste
Recalculation:	CO_2	☑	☑	☐	☐	☑	☑
	CH_4	☑	☑	☐	☐	☑	☑
	N_2O	☑	☑	☐	☐	☑	☑
	HFCs, PFCs, SF_6		☑				
	Explanations:	☑	☑	☐	☐	☑	☑
	Recalculation tables for all recalculated years			☑			
	Full CRF for the recalculated base year			☑			

		HFCs		PFCs		SF_6	
HFCs, PFCs, SF_6:	Disaggregation by species:	☑		☑			
	Production of Halocarbons/SF_6:	☑		☑		☑	
	Consumption of Halocarbons/SF_6:	Actual	Potential	Actual	Potential	Actual	Potential
		☑	☑	☑	☑	☑	☑
	Potential/Actual emission ratio:	3,71		12,65		4,93	

Reference to National Inventory Report and/or national inventory web site:	NIR2004

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

[1] For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Annual emission inventories

1997

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	NO_X	CO	NMVOC	SO_2
	(Gg)						
Total Energy	**63.467,74**	**37,59**	**2,76**	**265,25**	**694,65**	**107,48**	**100,87**
A. Fuel Combustion Activities (Sectoral Approach)	**62.902,73**	**27,54**	**2,75**	**262,28**	**647,04**	**99,36**	**98,74**
1. Energy Industries	**35.394,85**	**14,36**	**1,15**	**85,87**	**11,88**	**4,15**	**75,61**
a. Public Electricity and Heat Production	33.156,23	14,21	1,09	78,94	11,04	4,10	74,28
b. Petroleum Refining	1.101,37	0,02	0,04	2,00	0,29	0,01	1,32
c. Manufacture of Solid Fuels and Other Energy Industries	1.137,25	0,12	0,02	4,93	0,55	0,04	0,01
2. Manufacturing Industries and Construction	**6.550,41**	**1,64**	**0,21**	**29,61**	**17,24**	**4,04**	**12,88**
a. Iron and Steel	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
b. Non-Ferrous Metals	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
c. Chemicals	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
d. Pulp, Paper and Print	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00	NO/IE	NO/IE	NO/IE	NO/IE
f. Other *(please specify)*	6.550,41	1,64	0,21	29,61	17,24	4,04	12,88
Manufacturing Industries and Construction (a,b,c,d,e,f), incl. industry mobile sources and machinery				29,61	17,24	4,04	12,88
3. Transport	**12.160,25**	**3,82**	**1,05**	**105,18**	**407,45**	**69,07**	**3,70**
a. Civil Aviation	212,74	0,01	0,01	1,00	1,10	0,18	0,01
b. Road Transportation	11.025,95	3,70	1,00	89,09	388,78	59,20	1,75
c. Railways	292,71	0,01	0,01	4,85	0,88	0,32	0,09
d. Navigation	628,86	0,10	0,04	10,25	16,69	9,37	1,85
e. Other Transportation *(please specify)*	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	NO_X	CO	NMVOC	SO_2
	(Gg)						
4. Other Sectors	**8.626,40**	**7,71**	**0,33**	**40,48**	**209,90**	**21,97**	**6,52**
a. Commercial/Institutional	1.054,22	0,75	0,03	1,16	0,88	0,51	0,62
b. Residential	4.824,61	4,46	0,18	5,58	184,31	14,34	2,25
c. Agriculture/Forestry/Fisheries	2.747,57	2,50	0,12	33,75	24,70	7,12	3,65
5. Other *(please specify)* [1]	**170,83**	**0,01**	**0,01**	**1,14**	**0,58**	**0,13**	**0,04**
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	170,83	0,01	0,01	1,14	0,58	0,13	0,04
Emissions from military combustion of fuels	170,83	0,01	0,01	1,14	0,58	0,13	0,04
B. Fugitive Emissions from Fuels	**565,01**	**10,05**	**0,01**	**2,97**	**47,61**	**8,12**	**2,12**
1. Solid Fuels	**0,00**	**6,53**	**0,00**	**0,00**	**45,68**	**0,00**	**0,00**
a. Coal Mining	0,00	0,00	NO	NO	NO	NO	
b. Solid Fuel Transformation	NO	NO	NO	NO	NO	NO	NO
c. Other *(please specify)*	0,00	6,53	0,00	0,00	45,68	0,00	0,00
Storage of solid fluid					45,68		
2. Oil and Natural Gas	**565,01**	**3,52**	**0,01**	**2,97**	**1,93**	**8,12**	**2,12**
a. Oil	0,00	0,05		NO	NO	6,84	1,98
b. Natural Gas	0,00	1,92				0,44	0,00
c. Venting and Flaring	565,01	1,56	0,01	2,97	1,93	0,84	0,14
Venting	0,00	0,00					0,14
Flaring	565,01	1,56	0,01	2,97	1,93	0,84	0,00
d. Other *(please specify)*	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: [2]							
International Bunkers	**6.412,99**	**0,13**	**0,35**	**128,65**	**11,79**	**3,56**	**65,65**
Aviation	2.009,67	0,03	0,07	8,07	1,54	0,34	0,06
Marine	4.403,33	0,10	0,28	120,57	10,26	3,23	65,59
Multilateral Operations	0,00	0,00	0,00				
CO_2 Emissions from Biomass	**6.840,45**						

[1] Include military fuel use under this category

[2] Please do not include in energy totals

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS [2]			EMISSIONS		
	Consumption		CO_2	CH_4	N_2O	CO_2	CH_4	N_2O
	(TJ)	[1]	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
1.A. Fuel Combustion	**872.115,59**	NCV				**62.902,73**	**27,54**	**2,75**
Liquid Fuels	351.954,27	NCV	74,14	12,93	4,23	26.093,13	4,55	1,49
Solid Fuels	280.010,53	NCV	95,00	2,32	3,00	26.601,00	0,65	0,84
Gaseous Fuels	169.726,18	NCV	56,90	104,98	1,14	9.657,42	17,82	0,19
Biomass	69.606,33	NCV	98,27	63,78	3,31 [3]	6.840,45	4,44	0,23
Other Fuels	818,28	NCV	673,59	107,50	0,56	551,19	0,09	0,00
1.A.1. Energy Industries	**457.318,56**	NCV				**35.394,85**	**14,36**	**1,15**
Liquid Fuels	70.998,07	NCV	73,79	2,49	2,00	5.238,71	0,18	0,14
Solid Fuels	262.977,92	NCV	95,00	1,50	3,00	24.982,90	0,39	0,79
Gaseous Fuels	82.648,82	NCV	56,90	162,44	1,19	4.702,72	13,43	0,10
Biomass	40.693,75	NCV	96,38	8,94	2,87 [3]	3.922,21	0,36	0,12
Other Fuels	0,00	NCV	0,00	0,00	0,00	470,52	0,00	0,00
a. Public Electricity and Heat Production	418.543,69	NCV				33.156,23	14,21	1,09
Liquid Fuels	52.271,92	NCV	79,15	2,94	1,99	4.137,34	0,15	0,10
Solid Fuels	262.977,92	NCV	95,00	1,50	3,00	24.982,90	0,39	0,79
Gaseous Fuels	62.662,01	NCV	56,90	212,29	1,25	3.565,47	13,30	0,08
Biomass	40.631,85	NCV	96,40	8,94	2,88 [3]	3.917,04	0,36	0,12
Other Fuels	IE	NCV	0,00	0,00	0,00	470,52	IE	IE
b. Petroleum Refining	18.726,15	NCV				1.101,37	0,02	0,04
Liquid Fuels	18.726,15	NCV	58,81	1,22	2,03	1.101,37	0,02	0,04
Solid Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 [3]	NO	NO	NO
Other Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO
c. Manufacture of Solid Fuels and Other Energy Industries	20.048,72	NCV				1.137,25	0,12	0,02
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO
Gaseous Fuels	19.986,82	NCV	56,90	6,13	1,02	1.137,25	0,12	0,02
Biomass	61,90	NCV	83,60	4,01	2,00 [3]	5,17	0,00	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00	NO	NO	NO

[1] Activity data should be calculated using net calorific values (NCV) as specified by the IPCC Guidelines. If gross calorific values (GCV) were used, please indicate this by replacing "NCV" with "GCV" in this column.

[2] Accurate estimation of CH_4 and N_2O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

[3] Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, soild, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS [2]				EMISSIONS		
	Consumption		CO_2	CH_4	N_2O		CO_2	CH_4	N_2O
	(TJ)	[1]	(t/TJ)	(kg/TJ)	(kg/TJ)		(Gg)	(Gg)	(Gg)
1.A.2 Manufacturing Industries and Construction	**99.749,37**	NCV					**6.550,41**	**1,64**	**0,21**
Liquid Fuels	34.257,20	NCV	77,80	7,99	2,49		2.665,37	0,27	0,09
Solid Fuels	15.584,31	NCV	95,00	15,00	3,00		1.480,51	0,23	0,05
Gaseous Fuels	42.258,85	NCV	56,90	21,22	1,12		2.404,53	0,90	0,05
Biomass	7.649,00	NCV	101,39	31,07	3,93 [3]		775,50	0,24	0,03
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
a. Iron and Steel	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00 [3]		NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
b. Non-Ferrous Metals	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00 [3]		NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
c. Chemicals	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00 [3]		NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
d. Pulp, Paper and Print	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00 [3]		NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
e. Food Processing, Beverages and Tobacco	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Solid Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Gaseous Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
Biomass	NO/IE	NCV	0,00	0,00	0,00 [3]		NO/IE	NO/IE	NO/IE
Other Fuels	NO/IE	NCV	0,00	0,00	0,00		NO/IE	NO/IE	NO/IE
f. Other *(please specify)*	99.749,37	NCV					6.550,41	1,64	0,21
Liquid Fuels	34.257,20	NCV	77,80	7,99	2,49		2.665,37	0,27	0,09
Solid Fuels	15.584,31	NCV	95,00	15,00	3,00		1.480,51	0,23	0,05
Gaseous Fuels	42.258,85	NCV	56,90	21,22	1,12		2.404,53	0,90	0,05
Biomass	7.649,00	NCV	101,39	31,07	3,93 [3]		775,50	0,24	0,03
Other Fuels	0,00	NCV	0,00	0,00	0,00				

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS [2]				EMISSIONS		
	Consumption		CO_2	CH_4	N_2O		CO_2	CH_4	N_2O
	(TJ)	[1]	(t/TJ)	(kg/TJ)	(kg/TJ)		(Gg)	(Gg)	(Gg)
1.A.3 Transport	**165.498,04**	NCV					**12.160,25**	**3,82**	**1,05**
Gasoline	86.704,69	NCV	72,97	38,73	8,06		6.326,60	3,36	0,70
Diesel	77.975,07	NCV	74,05	4,82	4,54		5.773,96	0,38	0,35
Natural Gas	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00	[3]	0,00	0,00	0,00
Other Fuels	818,28	NCV	72,94	107,50	0,56		59,69	0,09	0,00
a. Civil Aviation	2.953,06	NCV					212,74	0,01	0,01
Aviation Gasoline	115,45	NCV	73,00	21,90	2,00		8,43	0,00	0,00
Jet Kerosene	2.837,61	NCV	72,00	1,52	3,73		204,31	0,00	0,01
b. Road Transportation	150.131,75	NCV					11.025,95	3,70	1,00
Gasoline	83.751,63	NCV	73,00	40,01	8,22		6.113,87	3,35	0,69
Diesel Oil	66.374,30	NCV	74,00	5,25	4,69		4.911,70	0,35	0,31
Natural Gas	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00	[3]	0,00	0,00	0,00
Other Fuels *(please specify)*	5,81	NCV					0,38	0,00	0,00
	5,81	NCV	65,00	24,08	5,68		0,38	0,00	0,00
c. Railways	3.955,48	NCV					292,71	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Liquid Fuels	3.955,48	NCV	74,00	3,07	2,04		292,71	0,01	0,01
Other Fuels *(please specify)*	0,00	NCV					0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
d. Navigation	8.457,75	NCV					628,86	0,10	0,04
Coal	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Residual Oil	950,48	NCV	78,00	1,76	4,89		74,14	0,00	0,00
Gas/Diesel Oil	6.694,80	NCV	74,00	2,00	4,49		495,41	0,01	0,03
Other Fuels *(please specify)*	812,47	NCV					59,31	0,09	0,00
	812,47	NCV	73,00	108,10	0,52		59,31	0,09	0,00
e. Other Transportation	0,00	NCV					0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS (2)				EMISSIONS		
	Consumption		CO_2	CH_4	N_2O		CO_2	CH_4	N_2O
	(TJ)	(1)	(t/TJ)	(kg/TJ)	(kg/TJ)		(Gg)	(Gg)	(Gg)
1.A.4 Other Sectors	**147.213,46**	NCV					**8.626,40**	**7,71**	**0,33**
Liquid Fuels	79.683,08	NCV	74,26	4,46	2,51		5.917,66	0,36	0,20
Solid Fuels	1.448,30	NCV	95,00	15,00	3,00		137,59	0,02	0,00
Gaseous Fuels	44.818,50	NCV	56,90	78,00	1,04		2.550,17	3,50	0,05
Biomass	21.263,58	NCV	100,77	180,50	3,91	(3)	2.142,73	3,84	0,08
Other Fuels	0,00	NCV	0,00	0,00	0,00		20,97	0,00	0,00
a. Commercial/Institutional	18.557,26	NCV					1.054,22	0,75	0,03
Liquid Fuels	7.236,36	NCV	74,46	1,90	2,01		538,82	0,01	0,01
Solid Fuels	43,40	NCV	95,00	15,00	3,00		4,12	0,00	0,00
Gaseous Fuels	8.616,90	NCV	56,90	70,71	1,04		490,30	0,61	0,01
Biomass	2.660,60	NCV	92,32	45,80	3,31	(3)	245,63	0,12	0,01
Other Fuels	IE	NCV	0,00	0,00	0,00		20,97	IE	IE
b. Residential	88.022,58	NCV					4.824,61	4,46	0,18
Liquid Fuels	42.380,20	NCV	74,06	4,80	2,00		3.138,66	0,20	0,08
Solid Fuels	161,70	NCV	95,00	15,00	3,00		15,36	0,00	0,00
Gaseous Fuels	29.360,10	NCV	56,90	35,18	1,02		1.670,59	1,03	0,03
Biomass	16.120,58	NCV	102,00	200,00	4,00	(3)	1.644,30	3,22	0,06
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
c. Agriculture/Forestry/Fisheries	40.633,62	NCV					2.747,57	2,50	0,12
Liquid Fuels	30.066,52	NCV	74,51	4,61	3,34		2.240,18	0,14	0,10
Solid Fuels	1.243,20	NCV	95,00	15,00	3,00		118,10	0,02	0,00
Gaseous Fuels	6.841,50	NCV	56,90	270,92	1,16		389,28	1,85	0,01
Biomass	2.482,40	NCV	101,84	198,25	3,98	(3)	252,80	0,49	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
1.A.5 Other (Not elsewhere specified)(4)	**2.336,16**	NCV					**170,83**	**0,01**	**0,01**
Liquid Fuels	2.336,16	NCV	73,12	4,50	3,35		170,83	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00	(3)	0,00	0,00	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00		0,00	0,00	0,00

(4) Include military fuel use under this category.

Documentation Box:

1A2 a-f: Total fuel consumption and emission from Manufacturing Industries and Construction (1A2) is included in 1A2f
1A 2f-note: Manufacturing Industries and Construction incl. industry mobile sources and machinery

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO_2 from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1997
2004, May 19

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor [1] (TJ/Unit)	[1]	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO_2 emissions (Gg CO_2)
Liquid Fossil	Primary Fuels	Crude Oil	TJ	480.046,43	186.062,08	########		-2.229,68	366.066,84	1,00	NCV	366.066,84	20,00	7.321,34		7.321,34	1,00	26.844,90
		Orimulsion	TJ	0,00	41.606,60	3,08		992,23	40.611,30	1,00	NCV	40.611,30	22,00	893,45		893,45	1,00	3.275,98
		Natural Gas Liquids	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	17,20	0,00		0,00	1,00	0,00
	Secondary Fuels	Gasoline	TJ		50.438,72	67.221,74	7,90	-273,41	-16.517,51	1,00	NCV	-16.517,51	18,90	-312,18		-312,18	1,00	-1.144,66
		Jet Kerosene	TJ		19.278,54	5.255,50	28.181,76	164,50	-14.323,21	1,00	NCV	-14.323,21	19,50	-279,30		-279,30	1,00	-1.024,11
		Other Kerosene	TJ		0,00	0,00	0,00	0,00	0,00	1,00	NCV	0,00	19,60	0,00		0,00	1,00	0,00
		Shale Oil	TJ		0,00	0,00		0,00	0,00	1,00	NCV	0,00	20,00	0,00		0,00	1,00	0,00
		Gas / Diesel Oil	TJ		83.766,74	45.482,17	25.324,85	-1.139,99	14.099,71	1,00	NCV	14.099,71	20,20	284,81	0,00	284,81	1,00	1.044,32
		Residual Fuel Oil	TJ		32.831,99	49.275,56	32.426,79	-5.650,51	-43.219,85	1,00	NCV	-43.219,85	21,10	-911,94		-911,94	1,00	-3.343,78
		LPG	TJ		393,90	5.520,60		-165,92	-4.960,78	1,00	NCV	-4.960,78	17,20	-85,33	0,00	-85,33	1,00	-312,86
		Ethane	TJ		0,00	0,00		0,00	0,00	1,00	NCV	0,00	16,80	0,00	0,00	0,00	1,00	0,00
		Naphtha	TJ		1.005,07	3.175,31		-356,13	-1.814,11	1,00	NCV	-1.814,11	20,00	-36,28	14,91	-51,19	1,00	-187,71
		Bitumen	TJ		9.650,74	285,49		322,90	9.042,36	1,00	NCV	9.042,36	22,00	198,93	214,20	-15,27	1,00	-55,98
		Lubricants	TJ		2.756,27	444,43	202,08	-125,16	2.234,90	1,00	NCV	2.234,90	20,00	44,70	24,59	20,11	1,00	73,74
		Petroleum Coke	TJ		6.748,99	2.628,02		-1.695,16	5.816,13	1,00	NCV	5.816,13	27,50	159,94		159,94	1,00	586,46
		Refinery Feedstocks	TJ		2.602,99	1.700,53		-420,42	1.322,89	1,00	NCV	1.322,89	20,00	26,46		26,46	1,00	97,01
		Other Oil	TJ		0,00	0,00		0,00	0,00	1,00	NCV	0,00	20,00	0,00		0,00	1,00	0,00
Liquid Fossil Totals												358.358,67		7.304,60	253,70	7.050,90		25.853,31
Solid Fossil	Primary Fuels	Anthracite [2]	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	26,80	0,00		0,00	1,00	0,00
		Coking Coal	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	25,80	0,00	0,00	0,00	1,00	0,00
		Other Bit. Coal	TJ	0,00	337.313,67	2.624,88	0,00	55.703,79	278.984,99	1,00	NCV	278.984,99	25,80	7.197,81		7.197,81	1,00	26.391,98
		Sub-bit. Coal	TJ	0,00	0,00	0,00	0,00	0,00	0,00	1,00	NCV	0,00	26,20	0,00		0,00	1,00	0,00
		Lignite	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	27,60	0,00		0,00	1,00	0,00
		Oil Shale	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	29,10	0,00		0,00	1,00	0,00
		Peat	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	28,90	0,00		0,00	1,00	0,00
	Secondary Fuels	BKB & Patent Fuel	TJ		68,17	23,08		-0,95	46,04	1,00	NCV	46,04	25,80	1,19		1,19	1,00	4,36
		Coke Oven/Gas Coke	TJ		1.365,03	0,18		122,83	1.242,03	1,00	NCV	1.242,03	29,50	36,64		36,64	1,00	134,35
Solid Fuel Totals												280.273,06		7.235,64	0,00	7.235,64		26.530,68
Gaseous Fossil		Natural Gas (Dry)	TJ	295.052,40	0,00	########		13.558,42	164.627,18	1,00	NCV	164.627,18	15,30	2.518,80	0,00	2.518,80	1,00	9.235,58
Total												**803.258,91**		**17.059,04**	**253,70**	**16.805,34**		**61.619,58**
Biomass total												66.548,80		1.972,81	0,00	1.972,81		7.233,64
		Solid Biomass	TJ	63.549,10	605,70	0,00		0,00	64.154,80	1,00	NCV	64.154,80	29,90	1.918,23		1.918,23	1,00	7.033,50
		Liquid Biomass	TJ	0,00	0,00	0,00		0,00	0,00	1,00	NCV	0,00	20,00	0,00		0,00	1,00	0,00
		Gas Biomass	TJ	2.394,00	0,00	0,00		0,00	2.394,00	1,00	NCV	2.394,00	22,80	54,58		54,58	1,00	200,14

[1] To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

[2] If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO_2 EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
1997
2004, May 19

FUEL TYPES	Reference approach		National approach [1]		Difference [2]	
	Energy consumption (PJ)	CO_2 emissions (Gg)	Energy consumption (PJ)	CO_2 emissions (Gg)	Energy consumption (%)	CO_2 emissions (%)
Liquid Fuels (excluding international bunkers)	358,36	25.853,31	351,95	26.093,13	1,82	-0,92
Solid Fuels (excluding international bunkers)	280,27	26.530,68	280,01	26.601,00	0,09	-0,26
Gaseous Fuels	164,63	9.235,58	169,73	9.657,42	-3,00	-4,37
Other [3]	-13,19	491,50	0,82	551,19	-1.711,80	-10,83
Total [3]	**790,07**	**62.111,08**	**802,51**	**62.902,73**	**-1,55**	**-1,26**

[1] "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO_2 emissions from fuel combustion reported in the national GHG inventory.

[2] Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

[3] Emissions from biomass are not included.

Note: In addition to estimating CO_2 emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

Non-energy use of fuels is not included in the Danish National Approach. Fuel consumption for non-energy is subtracted in Reference Approach to make results comparable. Inclusion of these fuels in future inventories will be considered.
CO2 emission from plastic part of municipal wastes is included in the Danish National Approach.
CO2 emission from the plastic part of municipal wastes is added in Reference Approach. (Other fuels of sources 1A1, 1A2 and 1A4)

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
1997
2004, May 19

FUEL TYPE [1]	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE	Additional information [a]	
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)	CO_2 not emitted (Gg CO_2)	Subtracted from energy sector *(specify source category)*
Naphtha [2]	994,06	0,75	20,00	14,91	54,67	
Lubricants	2.458,69	0,50	20,00	24,59	90,15	
Bitumen	9.736,35	1,00	22,00	214,20	785,40	
Coal Oils and Tars (from Coking Coal)	NO	NO	0,00	0,00	0,00	NO
Natural Gas [2]	NO	NO	0,00	0,00	0,00	NO
Gas/Diesel Oil [2]	NO	NO	0,00	0,00	0,00	NO
LPG [2]	NO	NO	0,00	0,00	0,00	NO
Butane [2]	NO	NO	0,00	0,00	0,00	NO
Ethane [2]	NO	NO	0,00	0,00	0,00	NO
Other *(please specify)*						
			0,00		0,00	

[1] Where fuels are used in different industries, please enter in different rows
[2] Enter these fuels when they are used as feedstocks.

[a] The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.

Associated CO_2 emissions (Gg)	Allocated under *(Specify source category)* [a]

[a] e.g. Industrial Processes, Waste Incineration, etc.

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY

Denmark

Fugitive Emissions from Solid Fuels

1997

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced [1] (Mt)	CH_4 (kg/t)	CO_2 (kg/t)	CH_4 (Gg)	CO_2 (Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines[2]	NO	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00	NO	NO
Post-Mining Activities		0,00	0,00	NO	NO
ii. Surface Mines[2]	NO	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00	NO	NO
Post-Mining Activities		0,00	0,00	NO	NO
1. B. 1. b. Solid Fuel Transformation	NO	0,00	0,00	NO	NO
1. B. 1. c. Other *(please specify)* [3]				6,53	0,00
Coal storage	13,47	0,48	#VALUE!	6,53	NE

Additional information [a]

Description	Value
Amount of CH_4 drained (recovered) and utilized or flared (Gg)	NO
Number of active underground mines	NO
Number of mines with drainage (recovery) systems	NO

[a] For underground mines.

[1] Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

[2] Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

[3] Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description [1]	Unit	Value	CO_2 (kg/unit) [2]	CH_4 (kg/unit) [2]	N_2O (kg/unit) [2]	CO_2 (Gg)	CH_4 (Gg)	N_2O (Gg)
1. B. 2. a. Oil [3]							**0,00**	**0,05**	
i. Exploration	*(e.g. number of wells drilled)*		0,00	0,00	0,00		NE	NE	
ii. Production [4]	*(e.g. PJ of oil produced)*		0,00	0,00	0,00		NE	NE	
iii. Transport	*(e.g. PJ oil loaded in tankers)*		0,00	0,00	0,00		NE	NE	
iv. Refining / Storage	*(e.g. PJ oil refined)*		0,00	0,00	0,00		NE	NE	
v. Distribution of oil products	*(e.g. PJ oil refined)*	Mg product	1.961.605	#VALUE!	#VALUE!		NE	NE	
vi. Other		Mg Crude	7.910.000	#VALUE!	0,01		NE	0,05	
1. B. 2. b. Natural Gas							**0,00**	**1,92**	
Exploration				0,00	0,00				
i. Production [4] / Processing	*(e.g. PJ gas produced)*	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	*Gas produced and stock change*	Mm3 gas	6.956	0,00	33,78		0,00	0,24	
Distribution	*Gas distributed*	Mm3 gas	3.276,00	0,00	14,56		0,00	0,05	
iii. Other Leakage	*Incl. in transmission*		IE	0,00	0,00		IE	IE	
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting [5]							**0,00**	**0,00**	
i. Oil	*(e.g. PJ oil produced)*			0,00	0,00				
ii. Gas	*Incl. in transmission*		IE	0,00	0,00		IE	IE	
iii. Combined				0,00	0,00				
Flaring							**565,01**	**1,56**	**0,01**
i. Oil	*(e.g. PJ gas consumption)*	GJ	266.500	56,90	0,00	0,00	15,16		0,00
ii. Gas	*(e.g. PJ gas consumption)*	GJ	9.663.343	56,90	0,16	0,00	549,84	1,56	0,01
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other *(please specify)* [6]							**0,00**	**0,00**	**0,00**
				0,00	0,00	0,00			

Additional information

Description	Value	Unit
Pipelines length (km)	NE	NE
Number of oil wells	NE	NE
Number of gas wells	NE	NE
Gas throughput [a]	NE	NE
Oil throughput [a]	NE	NE
Other relevant information *(specify)*		

[a] In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

[1] Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

[2] The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

[3] Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

[4] If using default emission factors these categories will include emissions from production other than venting and flaring.

[5] If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

[6] For example, fugitive CO_2 emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO_2 (t/TJ)	CH_4 (kg/TJ)	N_2O (kg/TJ)	CO_2 (Gg)	CH_4 (Gg)	N_2O (Gg)
Marine Bunkers	**57.751,64**				**4.403,33**	**0,10**	**0,28**
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	25.324,85	74,00	1,69	4,68	1.874,04	0,04	0,12
Residual Fuel Oil	32.426,79	78,00	1,76	4,89	2.529,29	0,06	0,16
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other *(please specify)* [redacted]	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	**27.911,88**				**2.009,67**	**0,03**	**0,07**
Jet Kerosene	27.901,16	72,00	1,23	2,52	2.008,88	0,03	0,07
Gasoline	10,72	73,00	21,93	1,96	0,78	0,00	0,00
Multilateral Operations [1]							

Additional information

Fuel consumption	Allocation [a] (percent)	
	Domestic	International
Marine	12,77	87,23
Aviation	9,57	90,43

[a] For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

[1] Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
				P	A	P	A	P	A				
	(Gg)			CO_2 equivalent (Gg)						(Gg)			
Total Industrial Processes	**1.605,67**	**0,00**	**2,74**	**1.117,56**	**323,75**	**56,00**	**4,12**	**0,01**	**0,00**	**0,61**	**0,00**	**0,71**	**0,00**
A. Mineral Products	**1.568,80**	**0,00**	**0,00**							**0,00**	**0,00**	**0,09**	**0,00**
1. Cement Production	1.441,03												NE
2. Lime Production	113,77												
3. Limestone and Dolomite Use	NE												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	NE										NE	NE	
6. Road Paving with Asphalt	NE									NE	NE	NE	NE
7. Other *(please specify)* [redacted]	14,00	0,00	0,00							0,00	0,00	0,09	0,00
Glass Production	14,00	NE	NE							NE	NE	0,09	NE
B. Chemical Industry	**1,87**	**0,00**	**2,74**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,61**	**0,00**	**0,04**	**0,00**
1. Ammonia Production	NO	NO								NO	NO	NO	NO
2. Nitric Acid Production			2,74							0,57			
3. Adipic Acid Production			NO							NO	NO	NO	
4. Carbide Production	0,00	0,00									NO	NO	NO
5. Other *(please specify)* [redacted]	1,87	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,04	0,00	0,04	0,00
Catalysts/Fertilizers and Pesticides	1,87									0,04	NE	0,04	NE
C. Metal Production	**35,01**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
1. Iron and Steel Production	35,01	0,00								NE	NE	NE	NE
2. Ferroalloys Production	NO	NO								NE	NE	NE	NE
3. Aluminium Production	NO	NO					0,00			NO	NO	NO	NO
4. SF_6 Used in Aluminium and Magnesium Foundries									0,00				
5. Other *(please specify)* [redacted]	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

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines. A = Actual emissions based on Tier 2 approach of the IPCC Guidelines. This only applies in sectors where methods exist for both tiers.

[1] The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
				P	A	P	A	P	A				
	(Gg)			CO_2 equivalent (Gg)				(Gg)					
D. Other Production	**NE**									**0,00**	**0,00**	**0,57**	**0,00**
1. Pulp and Paper										NE	NE	NE	NE
2. Food and Drink[2]	NE											0,57	
E. Production of Halocarbons and SF_6					**0,00**		**0,00**		**0,00**				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other *(please specify)*					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF_6				**1.117,56**	**323,75**	**56,00**	**4,12**	**0,01**	**0,00**				
1. Refrigeration and Air Conditioning Equipment				720,45	142,02	56,00	4,12	0,00	0,00				
2. Foam Blowing				397,11	181,73	0,00	0,00	0,00	0,00				
3. Fire Extinguishers				0,00	0,00	0,00	0,00	0,00	0,00				
4. Aerosols/ Metered Dose Inhalers				0,00	0,00	0,00	0,00	0,00	0,00				
5. Solvents				0,00	0,00	0,00	0,00	0,00	0,00				
6. Semiconductor Manufacture				0,00	0,00	0,00	0,00	0,00	0,00				
7. Electrical Equipment				0,00		0,00		0,00	0,00				
8. Other *(please specify)*				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF6 from (1) window plate prod. (2) laboratories (3) running shoes						0,00		0,01	0,00				
G. Other *(please specify)*	**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**

[2] CO_2 from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO2emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Denmark

Emissions of CO_2, CH_4 and N_2O

1997

(Sheet 1 of 2)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS[2]					
	Production/Consumption quantity		CO_2	CH_4	N_2O	CO_2		CH_4		N_2O	
	Description [1]	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	[2]	(Gg)	[2]	(Gg)	[2]
A. Mineral Products						**1.568,80**		**0,00**		**0,00**	
1. Cement Production	Production of Cement	2.718,92	0,53			1.441,03					
2. Lime Production	Production of Lime and Brigs	522,02	0,22			113,77					
3. Limestone and Dolomite Use		NE	0,00			NE					
4. Soda Ash						0,00					
Soda Ash Production		NO	0,00			NO					
Soda Ash Use		NE	0,00			NE					
5. Asphalt Roofing		NE	0,00			NE					
6. Road Paving with Asphalt		NE	0,00			NE					
7. Other *(please specify)*						14,00		0,00		0,00	
Glass Production			0,00								
		173,63	0,08	#VALUE!	#VALUE!	14,00		NE		NE	
B. Chemical Industry						**1,87**		**0,00**		**2,74**	
1. Ammonia Production [3]		NO	0,00	0,00	0,00	NO		NO		NO	
2. Nitric Acid Production		366,00			0,01					2,74	
3. Adipic Acid Production		NO			0,00					NO	
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		NO	0,00	0,00		NO		NO			
Calcium Carbide		NO	0,00	0,00		NO		NO			
5. Other *(please specify)*						1,87		0,00		0,00	
Carbon Black		NO		0,00				NO			
Ethylene		NO	0,00	0,00	0,00	NO		NO		NO	
Dichloroethylene		NO		0,00				NO			
Styrene		NO		0,00				NO			
Methanol		NO		0,00				NO			
Catalysts/Fertilizers and Pesticides		93,70	0,02	#VALUE!	#VALUE!	1,87		NE		NE	

[1] Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

[2] Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

[3] To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Denmark

Emissions of CO_2, CH_4 and N_2O

1997

(Sheet 2 of 2)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS[2]					
	Production/Consumption Quantity		CO_2	CH_4	N_2O	CO_2		CH_4		N_2O	
	Description [1]	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	[2]	(Gg)	[2]	(Gg)	[2]
C. Metal Production [4]						**35,01**		**0,00**		**0,00**	
1. Iron and Steel Production		0,00	0,00			35,01		0,00			
Steel		816,00	0,04			35,01					
Pig Iron		NO	0,00	0,00		NO		NO			
Sinter		NO	0,00	0,00		NO		NO			
Coke		NO	0,00	0,00		NO		NO			
Other *(please specify)*						0,00		0,00			
			0,00	0,00	0,00						
2. Ferroalloys Production		NO	0,00	0,00		NO		NO			
3. Aluminium Production		NO	0,00	0,00		NO		NO			
4. SF_6 Used in Aluminium and Magnesium Foundries											
5. Other *(please specify)*						0,00		0,00		0,00	
Metal alloys manufacturing		4,53	#VALUE!	#VALUE!	#VALUE!	NE		NE		NE	
D. Other Production						**0,00**					
1. Pulp and Paper											
2. Food and Drink	Brewery	918,00	#VALUE!			NE					
G. Other *(please specify)*						**0,00**		**0,00**		**0,00**	
		0,00	0,00	0,00	0,00	0,00					

[4] More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF_6
(Sheet 1 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs[1]	CF_4	C_2F_6	C_3F_8	C_4F_{10}	c-C_4F_8	C_5F_{12}	C_6F_{14}	Total PFCs[1]	SF_6
	(t)[2]																						
Total Actual Emissions of Halocarbons (by chemical) and SF_6	**0,00**	**1,77**	**0,00**	**0,00**	**15,78**	**0,00**	**172,39**	**15,21**	**0,00**	**13,73**	**0,00**	**0,00**	**0,00**		**0,00**	**0,00**	**0,59**	**0,00**	**0,00**	**0,00**	**0,00**		**3,06**
C. Metal Production															**0,00**	**0,00**	NO	NO	NO	NO	NO		**0,60**
Aluminium Production															NO	NO	NO	NO	NO	NO	NO		
SF_6 Used in Aluminium Foundries																							NO
SF_6 Used in Magnesium Foundries																							0,60
E. Production of Halocarbons and SF_6	**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**
1. By-product Emissions	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
Production of HCFC-22	NO																						
Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
2. Fugitive Emissions	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
3. Other *(please specify)*	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
F(a). Consumption of Halocarbons and SF_6 (actual emissions - Tier 2)	**0,00**	**1,77**	**0,00**	**0,00**	**15,78**	**0,00**	**172,39**	**15,21**	**0,00**	**13,73**	**0,00**	**0,00**	**0,00**		**0,00**	**0,00**	**0,59**	**0,00**	**0,00**	**0,00**	**0,00**		**2,46**
1. Refrigeration and Air Conditioning Equipment	NO	1,77	NO	NO	15,78	NO	34,23	0,05	NO	13,73	NO	NO	NO		NO	NO	0,59	NO	NO	NO	NO		NO
2. Foam Blowing	NO	NO	NO	NO	NO	NO	138,16	15,15	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
3. Fire Extinguishers	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
4. Aerosols/Metered Dose Inhalers	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
5. Solvents	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
6. Semiconductor Manufacture	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
7. Electrical Equipment																							0,38
8. Other *(please specify)*	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		2,08
Emissions of SF6 from (1) window plate prod. (2) laboratories (3) running shoes																	NO						2,08
G. Other *(please specify)*	**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**

[1] Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

[2] Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell.
Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF_6
(Sheet 2 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs	CF_4	C_2F_6	C_3F_8	C_4F_{10}	c-C_4F_8	C_5F_{12}	C_6F_{14}	Total PFCs	SF_6
	(t)[2]																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF_6 [3]	**0,00**	**11,22**	**0,00**	**0,00**	**71,22**	**0,00**	**515,23**	**18,38**	**0,00**	**62,76**	**0,00**	**0,00**	**0,00**		**0,00**	**0,00**	**8,00**	**0,00**	**0,00**	**0,00**	**0,00**		**12,00**
Production[4]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
Import:	0,00	11,22	0,00	0,00	71,22	0,00	716,90	18,38	0,00	62,76	0,00	0,00	0,00		0,00	0,00	8,00	0,00	0,00	0,00	0,00		12,00
In bulk	NO	11,22	NO	NO	71,22	NO	716,90	18,38	NO	62,76	NO	NO	NO		NO	NO	8,00	NO	NO	NO	NO		12,00
In products [5]	NO	NE	NO	NO	NE	NO	0,00	NE	NO	NE	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
Export:	0,00	0,00	0,00	0,00	0,00	0,00	201,67	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
In bulk	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
In products [5]	NO	NE	NO	NO	NE	NO	201,67	NE	NO	NE	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO		NO
Destroyed amount																							
GWP values used	**11700**	**650**	**150**	**1300**	**2800**	**1000**	**1300**	**140**	**300**	**3800**	**2900**	**6300**	**560**		**6500**	**9200**	**7000**	**7000**	**8700**	**7500**	**7400**		**23900**
Total Actual Emissions [6] (Gg CO_2 eq.)	**0,00**	**1,15**	**0,00**	**0,00**	**44,18**	**0,00**	**224,11**	**2,13**	**0,00**	**52,18**	**0,00**	**0,00**	**0,00**	**323,75**	**0,00**	**0,00**	**4,12**	**0,00**	**0,00**	**0,00**	**0,00**	**4,12**	**73,09**
C. Metal Production															0,00	0,00	NO	NO	NO	NO	NO	0,00	14,34
E. Production of Halocarbons and SF_6	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
F(a). Consumption of Halocarbons and SF_6	0,00	1,15	0,00	0,00	44,18	0,00	224,11	2,13	0,00	52,18	0,00	0,00	0,00	323,75	0,00	0,00	4,12	0,00	0,00	0,00	0,00	4,12	58,75
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF_6																							
Actual emissions - F(a) (Gg CO_2 eq.)	0,00	1,15	0,00	0,00	44,18	0,00	224,11	2,13	0,00	52,18	0,00	0,00	0,00	323,75	0,00	0,00	4,12	0,00	0,00	0,00	0,00	4,12	58,75
Potential emissions - F(p) (7) (Gg CO_2 eq.)	0,00	7,29	0,00	0,00	199,42	0,00	669,79	2,57	0,00	238,49	0,00	0,00	0,00	1.117,56	0,00	0,00	56,00	0,00	0,00	0,00	0,00	56,00	286,80
Potential/Actual emissions ratio	0,00	6,33	0,00	0,00	4,51	0,00	2,99	1,21	0,00	4,57	0,00	0,00	0,00	3,45	0,00	0,00	13,60	0,00	0,00	0,00	0,00	13,60	4,88

[3] Potential emissions of each chemical of halocarbons and SF6 estimated using Tier 1a or Tier 1b of the IPCC Guidelines (Volume 3. Reference Manual, pp. 2.47-2.50). When potential emissions estimates are available in a disaggregated manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

[4] Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

[5] Relevant just for Tier 1b.

[6] Sums of the actual emissions of each chemical of halocarbons and SF6 from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

[7] Potential emissions of each chemical of halocarbons and SF6 taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF_6, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO_2 equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Denmark

Metal Production; Production of Halocarbons and SF_6

1997

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS[2]	EMISSIONS[2]	
	Description [1]	(t)	(kg/t)	(t)	[3]
C. PFCs and SF_6 from Metal Production					
PFCs from Aluminium Production					
CF_4		NO	0,00	NO	
C_2F_6		NO	0,00	NO	
SF_6				0,60	
Aluminium Foundries	*(SF_6 consumption)*	NO	0,00	NO	
Magnesium Foundries	SF_6 consumption	0,60	1.000,00	0,60	
E. Production of Halocarbons and SF_6					
1. By-product Emissions					
Production of HCFC-22					
HFC-23		NO	0,00	NO	
Other *(specify chemical)*					
		NO	0,00	NO	
2. Fugitive Emissions					
HFCs *(specify chemical)*					
		NO	0,00	NO	
PFCs *(specify chemical)*					
		NO	0,00	NO	
SF_6		NO	0,00	NO	
3. Other *(please specify)*					
			0,00		

[1] Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

[2] Emissions and implied emission factors are after recovery.

[3] Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES Denmark
Consumption of Halocarbons and SF_6 1997
(Sheet 1 of 2) 2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA *Amount of fluid*			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning [1]	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration *(Specify chemical)* [2]									
HFC-32	0,00	0,00	NE	2,00	1,00	0,00	0,00	0,00	0,00
HFC-125	3,52	6,00	NE	2,00	1,00	0,00	0,07	0,03	0,00
HFC-134a	2,44	372,53	NE	2,00	1,00	0,00	5,97	2,35	0,00
HFC-143a	4,16	7,09	NE	2,00	1,00	0,00	0,08	0,03	0,00
HFC-152a	0,00	0,00	NE	2,00	1,00	0,00	0,00	0,00	0,00
Commercial Refrigeration									
HFC-32	11,22	25,50	NE	1,50	10,00	0,00	0,17	1,61	0,00
HFC-125	66,38	188,10	NE	1,50	10,00	0,00	1,00	13,64	0,00
HFC-134a	58,36	261,27	NE	1,50	10,00	0,00	0,88	22,64	0,00
HFC-143a	57,04	162,92	NE	1,50	10,00	0,00	0,86	11,86	0,00
HFC-152a	3,38	3,33	NE	1,50	10,00	0,00	0,05	0,00	0,00
PFC	8,00	12,10	NE	0,00	0,00	0,00	0,12	0,47	0,00
Transport Refrigeration									
HFC-125	1,32	4,31	NE	0,50	17,00	0,00	0,06	0,99	0,00
HFC-134a	0,12	0,26	NE	0,50	17,00	0,00	0,01	0,06	0,00
HFC-143a	1,56	3,43	NE	0,50	17,00	0,00	0,07	0,83	0,00
Industrial Refrigeration									
Stationary Air-Conditioning									
Mobile Air-Conditioning									
HFC-125	0,00	0,00	NE	4,50	30,00	0,00	0,00	0,00	0,00
HFC-134a	7,00	11,40	NE	4,50	30,00	0,00	0,32	2,01	0,00
HFC-143a	0,00	0,00	NE	4,50	30,00	0,00	0,00	0,00	0,00
2 Foam Blowing									
Hard Foam									
HFC-32 (refrigerators)	0,00	0,00	NE	10,00	4,50	0,00	0,00	0,00	0,00
HFC-125 (refrigerators)	0,00	0,00	NE	10,00	4,50	0,00	0,00	0,00	0,00
HFC-134a (refrigerators)	264,00	769,73	NE	10,00	4,50	0,00	26,40	27,76	0,00
HFC-152a (refrigerators)	0,00	3,28	NE	10,00	4,50	0,00	0,00	0,15	0,00
HFC-32 (shoes, other)	0,00	0,00	NE	15,00	4,50	0,00	0,00	0,00	0,00
HFC-125 (shoes, other)	0,00	0,00	NE	15,00	4,50	0,00	0,00	0,00	0,00
HFC-134a (shoes, other)	0,00	5,10	NE	15,00	4,50	0,00	0,00	0,00	0,00
HFC-152a (shoes, other)	0,00	0,00	NE	15,00	4,50	0,00	0,00	0,00	0,00
Soft Foam									
HFC-32 (foam plastics, Joint filler, other)	0,00	0,00	NE	100,00	0,00	0,00	0,00	0,00	0,00
HFC-125 (foam plastics, Joint filler, other	0,00	0,00	NE	100,00	0,00	0,00	0,00	0,00	0,00
HFC-134a (foam plastics, Joint filler, othe	84,00	0,00	NE	100,00	0,00	0,00	84,00	0,00	0,00
HFC-152a (foam plastics, Joint filler, othe	15,00	0,00	NE	100,00	0,00	0,00	15,00	0,00	0,00

[1] Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relavant information used in the emission estimat

[2] Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disagregated chemicals from a source by clicking on the corresponding but

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF6 using the "bottom-up approach" (based on the total stock of equipme and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Denmark

Consumption of Halocarbons and SF_6

1997

(Sheet 2 of 2)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA *Amount of fluid*			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning [1]	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers									
4 Aerosols									
Metered Dose Inhalers									
Other									
HFC-134a (Aerosol spray)	0,00	0,00	NE	50,00	50,00	0,00	0,00	0,00	0,00
5 Solvents									
6 Semiconductors									
7 Electric Equipment									
SF6	4,20	41,80	NO	5,00	0,50	0,00	0,21	0,17	0,00
8 Other *(please specify)*									
PFC (detergent)	0,00	0,00	NO	100,00	0,00	0,00	0,00	0,00	0,00
SF6 (sealed glazing units)	7,20	31,47		15,00	1,00		1,08	0,29	
SF6 (laboratories)	0,60	0,00	NO	100,00	0,00	0,00	0,60	0,00	0,00
SF6 (running shoes)	0,11	0,11		0,00	100,00		0,00	0,11	

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

SF6 (sealed glazing units): SF6 used as insulator in sealed glazing units for window panes. The amount of SF6 accounted for in the model is for products less than 20 years old, where decommissioning is not estimated to have taken place.
SF6 (laboratories): SF6 in small amounts used for experimental tracer studies due to outstanding characteristics of the gas.
SF6 (running shoes): SF6 used as elastic material in the sole of running shoes. Originates from imported shoes only.
Refer to the NIR 2004 for further information

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2	N_2O	NMVOC
	(Gg)		
Total Solvent and Other Product Use	**115,30**	**0,00**	**39,30**
A. Paint Application	**74,41**	**NO**	**23,88**
B. Degreasing and Dry Cleaning	**NE**	**NO**	**NE**
C. Chemical Products, Manufacture and Processing			**2,30**
D. Other *(please specify)*	40,89	0,00	13,12
(Use of N_2O for Anaesthesia)	NO	NE	NE
(N_2O from Fire Extinguishers)	NO	NE	NE
(N_2O from Aerosol Cans)	NO	NE	NE
(Other Use of N_2O)	NO	NE	NE
	40,89	NE	13,12

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO_2 columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N_2O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO_2 (t/t)	N_2O (t/t)
A. Paint Application		**NE**	**0,00**	**0,00**
B. Degreasing and Dry Cleaning		**NE**	**0,00**	**0,00**
C. Chemical Products, Manufacture and Processing				
D. Other *(please specify)* [1]				
(Use of N_2O for Anaesthesia)		NE	0,00	0,00
(N_2O from Fire Extinguishers)		NE	0,00	0,00
(N_2O from Aerosol Cans)		NE	0,00	0,00
(Other Use of N_2O)		NE	0,00	0,00

[1] Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH_4	N_2O	NO_x	CO	NMVOC
	(Gg)				
Total Agriculture	**183,97**	**24,14**	**0,00**	**0,00**	**1,27**
A. Enteric Fermentation	**141,93**				
1. Cattle	124,46				
Dairy Cattle	78,06				
Non-Dairy Cattle	46,40				
2. Buffalo	NO				
3. Sheep	1,34				
4. Goats	0,13				
5. Camels and Llamas	NO				
6. Horses	3,48				
7. Mules and Asses	NO				
8. Swine	12,53				
9. Poultry	NE				
10. Other *(please specify)*	0,00				
Fur farming	NE				
B. Manure Management	**42,04**	**2,10**			**0,00**
1. Cattle	11,88				
Dairy Cattle	9,59				
Non-Dairy Cattle	2,29				
2. Buffalo	NO				
3. Sheep	0,02				
4. Goats	0,00				
5. Camels and Llamas	NO				
6. Horses	0,25				
7. Mules and Asses	NO				
8. Swine	29,57				
9. Poultry	0,31				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH_4	N_2O	NO_x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons		NO			NE
11. Liquid Systems		0,28			NE
12. Solid Storage and Dry Lot		1,81			NE
13. Other *(please specify)*		0,00			0,00
C. Rice Cultivation	0,00				**0,00**
1. Irrigated	0,00				NO
2. Rainfed	0,00				NO
3. Deep Water	0,00				NO
4. Other *(please specify)*	0,00				0,00
D. Agricultural Soils [1]	**0,00**	**22,04**			**1,27**
1. Direct Soil Emissions	NE	11,12			1,27
2. Animal Production	IE	1,02			NE
3. Indirect Emissions	NE	9,74			NE
4. Other *(please specify)*	0,00	0,16			0,00
E. Prescribed Burning of Savannas	**0,00**	**0,00**	**NO**	**NO**	**NO**
F. Field Burning of Agricultural Residues	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
1 . Cereals	0,00	0,00	NO	NO	NO
2. Pulse	0,00	0,00	NO	NO	NO
3 . Tuber and Root	0,00	0,00	NO	NO	NO
4 . Sugar Cane	0,00	0,00	NO	NO	NO
5 . Other *(please specify)*	0,00	0,00	0,00	0,00	0,00
G. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**

[1] See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO_2 emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO_2 emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH_4 emissions, CH_4 and N_2O removals from agricultural soils, or CO_2 emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1997

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA[1] AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size [2] (1000 head)	Average daily feed intake (MJ/day)	CH_4 conversion (%)	CH_4 (kg CH_4/head/yr)
1. Cattle				0,00
Dairy Cattle[3]	670	302,4	6,00	116,45
Non-Dairy Cattle	1.334	98,8	6,00	34,79
2. Buffalo	NO			0,00
3. Sheep	78	59,7	6,00	17,17
4. Goats	10	54,9	5,00	13,15
5. Camels and Llamas	NO			0,00
6. Horses	146	208,8	2,50	23,90
7. Mules and Asses	NO			0,00
8. Swine	11.383	9,7	0,60	1,10
9. Poultry	NE			0,00
10. Other *(please specify)*				
Fur farming	NE			0,00
				0,00

Additional information (for Tier 2)[a]

Disaggregated list of animals [b] Indicators:		Dairy Cattle	Non-Dairy Cattle	Other *(specify)*	
Weight	(kg)	575,00	325,00		
Feeding situation [c]		85,00	46,00		
Milk yield	(kg/day)	19,18	NO		
Work	(hrs/day)	NO	NO		
Pregnant	(%)	90,00	NO		
Digestibility of feed	(%)	71,00	78,00		

[a] Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

[b] Disaggregate to the split actually used. Add columns to the table if necessary.

[c] Specify feeding situation as pasture, stall fed, confined, open range, etc.

[1] In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

[2] Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH_4 emissions from enteric fermentation, CH_4 and N_2O from manure management, N_2O direct emissions from soil and N_2O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

[3] Including data on dairy heifers, if available.

Documentation box:

Activity data for population size is one year average. Number of cattle, swine and poultry is from Agriculture Statistics published by Statistics Denmark. Number of goats, sheep and horses is based on information from the Danish Agricultural Advisory Centre.
Emission factors are based on a Tier 2 approach.
Data for Non-Dairy Cattle include data for heifer older than ½ year.
Feeding situation data is percentage of feeding in stable.

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH_4 Emissions from Manure Management
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION							IMPLIED EMISSION FACTORS
	Population size [1]	Allocation by climate region [2]			Typical animal mass	VS [3] daily excretion	CH_4 producing potential (Bo) [3]	CH_4
		Cool	Temperate	Warm				
	(1000 head)	(%)			(kg)	(kg dm/head/yr)	(CH_4 m^3/kg VS)	(kg CH_4/head/yr)
1. Cattle								0,00
Dairy Cattle [4]	670	100,0			575,0	1.600,0	0,2	14,30
Non-Dairy Cattle	1.334	100,0			325,0	300,0	0,2	1,72
2. Buffalo	NO							0,00
3. Sheep	78	100,0			70,0	86,0	0,2	0,32
4. Goats	10				60,0	84,0	0,2	0,26
5. Camels and Llamas	NO							0,00
6. Horses	146	100,0			600,0	520,0	0,3	1,74
7. Mules and Asses	NO							0,00
8. Swine	11.383	100,0			76,0	22,0	0,5	2,60
9. Poultry	18.994	100,0			2,0	0,3	0,3	0,02

[1] See footnote 1 to Table 4.A of this common reporting format.

[2] Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

[3] VS=Volatile Solids; Bo=maximum methane producing capacity for manure IIPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

[4] Including data on diary heifers, if available.

Documentation Box:

Emission factors are based on a Tier 2 approach.
VS daily excretion depends on stable type and vary slightly according to changes in stable type. For further information refer to the NIR 2004.
Good Practice Guidance recommends MCF=39% for liquid systems. DK continues to use 10%
For swine typical animal mass is based on slaugther pigs.
CH4 emission is not including emission from fur farming, because of no possibility for other animal category as given above.

Additional information (for Tier 2)

Animal category [a]	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool	NO	68,94	NO	16,06	15,00	NO
		Temperate						
		Warm						
	MCF [b]	Cool		10,00		1,00	1,00	
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool	NO	25,67	NO	39,06	35,27	NO
		Temperate						
		Warm						
	MCF [b]	Cool		10,00		1,00	1,00	
		Temperate						
		Warm						
Swine	Allocation(%)	Cool	NO	90,84	NO	8,57	0,59	NO
		Temperate						
		Warm						
	MCF [b]	Cool		10,00		1,00	1,00	
		Temperate						
		Warm						

[a] Copy the above table as many times as necessary.

[b] MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3. Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE

Denmark

N_2O Emissions from Manure Management

1997

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size [1] (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system ($kg N_2O$-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	1.334	36,74	NO	12.579.240	NO	19.142.906	17.282.105	NO	Anaerobic lagoon	0,000
Dairy Cattle	670	124,94	NO	57.742.297	NO	13.450.029	12.563.352	NO	Liquid system	0,001
Sheep	87	18,32	NO	0,0	NO	438.596	1.162.279	NO	Solid storage and dry lot	0,020
Swine	11.383	9,74	NO	100.759.591	NO	9.511.478	653.940	NO	Other	0,000
Poultry	18.994	0,62	NO	196.606	NO	11.488.273	73.748	NO		
Other *(please specify)*										
Horses	146	43,31	NO	0,0	NO	3.150.803	3.150.803	NO		
Fur farming	2.212	4,65	NO	8.538.589	NO	1.750.791	0,0	NO		
Total per AWMS [2]			**0,0**	**179.816.322,1**	**0,0**	**58.932.876,1**	**34.886.226,7**	**0,0**		

[1] See footnote 1 to Table 4.A of this common reporting format.

[2] AWMS - Animal Waste Management System.

Documentation box:

Non-dairy cattle include calves, bulls heifer and suckling cattle.

Sheep include goats.

N2O emission includes emission from fur farming.

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Denmark

Rice Cultivation

1997

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR [1]	EMISSIONS
		Harvested area [2] (10^{-9} m^2/yr)	Organic amendments added[3]: type	(t/ha)	CH_4 (g/m^2)	CH_4 (Gg)
1. Irrigated						**0,00**
Continuously Flooded		NO			0,00	
Intermittently Flooded	Single Aeration	NO			0,00	
	Multiple Aeration	NO			0,00	
2. Rainfed						**0,00**
Flood Prone		NO			0,00	
Drought Prone		NO			0,00	
3. Deep Water						**0,00**
Water Depth 50-100 cm		NO			0,00	
Water Depth > 100 cm		NO			0,00	
4. Other *(please specify)*						**0,00**
					0,00	
Upland Rice[4]						
Total [4]		0,00				

[1] The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organi amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

[2] Harvested area is the cultivated area multiplied by the number of cropping seasons per yea

[3] Specify dry weight or wet weight for organic amendments

[4] These rows are included to allow comparison with the international statistics. Upland rice emissions are assumed to be zero and are ignored in the emission calculation

Documentation box:

When dissagregating by more than one region within a country, provide additional information in the documentation box.
Where available, provide activity data and scaling factors by soil type and rice cultivar.

Rice is not grown in Denmark.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Denmark

Agricultural Soils[(1)]

1997

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION Description	Value	IMPLIED EMISSION FACTORS Unit		EMISSIONS ($Gg N_2O$)
Direct Soil Emissions	**N input to soils (kg N/yr)**				**11,12**
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	281.429.000	(kg N2O-N/kg N)[(2)]	0,013	5,53
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	174.355.650	(kg N2O-N/kg N)[(2)]	0,013	3,42
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)	43.613.381	(kg N2O-N/kg dry biomass)[(2)]	0,013	0,86
Crop Residue	Dry production of other crops (kg dry biomass/yr)	54.936.128	(kg N2O-N/kg dry biomass)[(2)]	0,013	1,08
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N2O-N/ha)[(2)]	8,000	0,23
Animal Production	**N excretion on pasture range and paddock (kg N/yr)**	32.444.191	**(kg N2O-N/kg N)[(2)]**	**0,020**	1,02
Indirect Emissions					**9,74**
Atmospheric Deposition	(kg N/yr)	88.089.260	(kg N2O-N/kg N)[(2)]	0,010	1,38
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	212.666.667	(kg N2O-N/kg N)[(2)]	0,025	8,35
Other *(please specify)*					**0,16**
Industrial waste used as fertilizer	(kg N/yr)	4.429.799	(kg N2O-N/kg N)[(2)]	0,013	0,09
Sewage sludge used as fertilizer	(kg N/yr)	3.898.216	(kg N2O-N/kg N)[(2)]	0,013	0,08
				0,000	

Additional information

Fraction [(a)]	Description	Value
$Frac_{BURN}$	Fraction of crop residue burned	NO
$Frac_{FUEL}$	Fraction of livestock N excretion in excrements burned for fuel	NO
$Frac_{GASF}$	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH_3 and NOx	0,02
$Frac_{GASM}$	Fraction of livestock N excretion that volatilizes as NH_3 and NOx	0,24
$Frac_{GRAZ}$	Fraction of livestock N excreted and deposited onto soil during grazing	0,13
$Frac_{LEACH}$	Fraction of N input to soils that is lost through leaching and runoff	0,37
$Frac_{NCRBF}$	Fraction of N in non-N-fixing crop	NE
$Frac_{NCRO}$	Fraction of N in N-fixing crop	NE
$Frac_R$	Fraction or crop residue removed from the field as crop	NE

[(a)] Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

[(1)] See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO_2 emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

[(2)] To convert from N_2O-N to N_2O emissions, multiply by 44/28.

Documentation box:

The fractions FracNCRBF, FracNCRO and FracR will be reported together with the emission inventory for year 2003.

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE

Denmark

Prescribed Burning of Savannas

1997

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH_4	N_2O	CH_4	N_2O
(specify ecological zone)								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

Does not occur in Denmark.

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH_4 (kg/t dm)	N_2O (kg/t dm)	CH_4 (Gg)	N_2O (Gg)
1. Cereals									**0,00**	**0,00**
Wheat							0,00	0,00		
Barley							0,00	0,00		
Maize							0,00	0,00		
Oats							0,00	0,00		
Rye							0,00	0,00		
Rice							0,00	0,00		
Other *(please specify)*									0,00	0,00
							0,00	0,00		
2. Pulse [1]									**0,00**	**0,00**
Dry bean							0,00	0,00		
Peas							0,00	0,00		
Soybeans							0,00	0,00		
Other *(please specify)*									0,00	0,00
							0,00	0,00		
3 Tuber and Root									**0,00**	**0,00**
Potatoes							0,00	0,00		
Other *(please specify)*									0,00	0,00
							0,00	0,00		
4 Sugar Cane							**0,00**	**0,00**		
5 Other *(please specify)*									**0,00**	**0,00**
							0,00	0,00		

[1] To be used in Table 4.D of this common reporting format.

Documentation Box:

According to Danish law field burning of Agriculture Residues is forbidden since year 1990.

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	Net CO_2 emissions/ removals	CH_4	N_2O	NO_x	CO
	(Gg)						
Total Land-Use Change and Forestry	**0,00**	**-3.153,00**	**-3.153,00**	**0,00**	**0,00**	**0,00**	**0,00**
A. Changes in Forest and Other Woody Biomass Stocks	**0,00**	**-3.153,00**	**-3.153,00**				
1. Tropical Forests	NO	NO	0,00				
2. Temperate Forests	NA	-3.129,00	-3.129,00				
3. Boreal Forests	NO	NO	0,00				
4. Grasslands/Tundra			0,00				
5. Other *(please specify)*	0,00	-24,00	-24,00				
Harvested Wood[1]	NE	NE	0,00				
Afforestation since 1990	NA	-24,00	-24,00				
B. Forest and Grassland Conversion[2]	**0,00**			**0,00**	**0,00**	**0,00**	**0,00**
1. Tropical Forests	NO			NO	NO	NO	NO
2. Temperate Forests	NO			NO	NO	NO	NO
3. Boreal Forests	NO			NO	NO	NO	NO
4. Grasslands/Tundra	NE			NE	NE	NE	NE
5. Other *(please specify)*	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	**0,00**	**0,00**	**0,00**				
1. Tropical Forests	NO	NO	0,00				
2. Temperate Forests	NO	NO	0,00				
3. Boreal Forests	NO	NO	0,00				
4. Grasslands/Tundra	NO	NO	0,00				
5. Other *(please specify)*	0,00	0,00	0,00				
			0,00				
D. CO_2 Emissions and Removals from Soil	**0,00**	**0,00**	**0,00**				
Cultivation of Mineral Soils	NE	NE	0,00				
Cultivation of Organic Soils	NE	NE	0,00				
Liming of Agricultural Soils	NE	NE	0,00				
Forest Soils	NE	NE	0,00				
Other *(please specify)*[3]	0,00	0,00	0,00				
			0,00				
E. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
			0,00				

[1] Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17)

[2] Include only the emissions of CC_2 from Forest and Grassland Conversion. Associated removals should be reported under section D

[3] Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1997
2004, May 19

Changes in Forest and Other Woody Biomass Stocks

(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	*Acacia spp.*	NO	NO	0,00	NO
		Eucalyptus spp.	NO	NO	0,00	NO
		Tectona grandis	NO	NO	0,00	NO
		Pinus spp	NO	NO	0,00	NO
		Pinus caribaea	NO	NO	0,00	NO
		Mixed Hardwoods	NO	NO	0,00	NO
		Mixed Fast-Growing Hardwoods	NO	NO	0,00	NO
		Mixed Softwoods	NO	NO	0,00	NO
	Other Forests	Moist	NO	NO	0,00	NO
		Seasonal	NO	NO	0,00	NO
		Dry	NO	NO	0,00	NO
	Other *(specify)*		NO	NO	0,00	NO
			NO	NO	0,00	NO
Temperate	Plantations	Conifers (before 1990)	268,00	8,86	4,43	1.187,40
		Broadleaves (bef. 1990)	143,00	5,30	2,65	379,00
	Commercial	Evergreen	NO	NO	0,00	NO
		Deciduous	NO	NO	0,00	NO
	Other *(specify)*		NE	NE	0,00	NE
			NE	NE	0,00	NE
Boreal			NO	NO	0,00	NO

	Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees *(specify type)*				0,00
	NE	NE	0,00	NE
Total annual growth increment (Gg C)				1.566,40
Gg CO_2				5.743,47

	Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)
Total biomass removed in Commercial Harvest	1.426,00	0,50	713,00
Traditional Fuelwood Consumed	NO	0,00	NO
Total Other Wood Use	NO	0,00	NO
Total Biomass Consumption from Stock[1] (Gg C)			713,00
Other Changes in Carbon Stocks[2] (Gg C)			NE
Gg CO_2			2.614,33

Net annual carbon uptake (+) or release (-) (Gg C	853,40
Net CO_2 emissions (-) or removals (+) (Gg CO_2)	3.129,13

[1] Make sure that the quantity of biomass burned off-site is subtracted from this tot

[2] The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Forest and Grassland Conversion

(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION							IMPLIED EMISSION FACTORS					EMISSIONS				
		On and off site burning				Decay of above-ground biomass[1]			Burning				Decay	Burning				Decay
									On site			Off site		On site			Off site	
		Area converted annually	Annual net loss of biomass	Quantity of biomass burned		Average area converted	Average annual net loss of biomass	Average quantity of biomass left to decay	CO_2	CH_4	N_2O	CO_2	CO_2	CO_2	CH_4	N_2O	CO_2	CO_2
				On site	Off site													
Vegetation types		(kha)	(kt dm)	(kt dm)	(kt dm)	(kha)	(t dm/ha)	(kt dm)	(t/ha)					(Gg)				
Tropical	Wet/Very Moist	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Moist, short dry season	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Moist, long dry season	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Dry	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Montane Moist	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Montane Dry	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Tropical Savanna/Grasslands		NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Temperate	Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Broadleaf	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Mixed Broadleaf/ Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Grasslands		NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Boreal	Mixed Broadleaf/ Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Coniferous	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
	Forest-tundra	NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Grasslands/Tundra		NO	NO	NO	NO	NO	NO	NO	0,00	0,00	0,00	0,00	0,00	NO	NO	NO	NO	NO
Other *(please specify)*									0,00	0,00	0,00	0,00	0,00					
									0,00	0,00	0,00	0,00	0,00					
Total														0,00	0,00	0,00	0,00	0,00

[1] Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO_2 emissions (Gg CO_2)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark

Abandonment of Managed Lands

1997

(Sheet 1 of 1)

2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing [1]		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
Original natural ecosystems		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other *(please specify)*								0,00	0,00		
								0,00	0,00		

Total annual carbon uptake (Gg C)	0,00
Total annual CO_2 removal (Gg CO_2)	0,00

[1] If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

CO_2 Emissions and Removals from Soil

(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils [1]			**0,00**
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other *(please specify)*			0,00
		0,00	
	Land area (ha)	**Annual loss rate (Mg C/ha/yr)**	**Carbon emissions from organic soils (Mg C/yr)**
Cultivation of Organic Soils			**0,00**
Cool Temperate			**0,00**
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			**0,00**
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			**0,00**
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	**Carbon conversion factor**	**Carbon emissions from liming (Mg C)**
Liming of Agricultural Soils			**0,00**
Limestone $Ca(CO_3)$		0,00	
Dolomite $CaMg(CO_3)_2$		0,00	

Total annual net carbon emissions from agriculturally impacted soils (Gg C)	0,00
Total annual net CO_2 emissions from agriculturally impacted soils (Gg CO_2)	0,00

Additional information

Year	Climate [a]	land-use/ management system [a]	Soil type: High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
			percent distribution (%)					
20 years prior	*(e.g. tropical, dry)*	*(e.g. savanna)*						
		(e.g. irrigated cropping)						
inventory year								

[a] These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

[1] The information to be reported under Culitvation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2[(1)]	CH_4	N_2O	NO_x	CO	NMVOC	SO_2
	(Gg)						
Total Waste	**0,00**	**59,21**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
A. Solid Waste Disposal on Land	**0,00**	**59,21**		**0,00**	**0,00**	**0,00**	
1. Managed Waste Disposal on Land	NE	59,21		NO	NO	NO	
2. Unmanaged Waste Disposal Sites	0,00	0,00		NO	NO	NO	
3. Other *(please specify)*	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	
1. Industrial Wastewater		0,00	NE	NE	NE	NE	
2. Domestic and Commercial Wastewater		0,00	0,00	NE	NE	NE	
3. Other *(please specify)*		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	**0,00**	**0,00**	**0,00**	**IE**	**IE**	**IE**	**IE**
D. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**

(1) Note that CO_2 from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS[1]	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH_4 recovery [2] (Gg)	CH_4 (t /t MSW)	CO_2 (t /t MSW)	CH_4 (Gg)	CO_2[3] (Gg)
1 Managed Waste Disposal on Land	2.083,00	1,00	See doc box	9,44	0,03	#VALUE!	59,21	NE
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	NO				0,00	0,00	NO	NO
- shallow (<5 m)	NO				0,00	0,00	NO	NO
3 Other *(please specify)*							0,00	0,00
					0,00	0,00		

Additional information

Description	Value
Total population (1000s)[a]	See doc b
Urban population (1000s)[a]	See doc b
Waste generation rate (kg/capita/day)	See doc b
Fraction of MSW disposed to SWDS	See doc b
Fraction of DOC in MSW	0,50
Fraction of wastes incinerated	See doc b
Fraction of wastes recycled	See doc b
CH4 oxidation factor (b)	0,10
CH_4 fraction in landfill gas	0,45
Number of SWDS recovering CH_4	18,00
CH_4 generation rate constant (k) [c]	0,07
Time lag considered (yr) [c]	10,00
Composition of landfilled waste (%)	See doc b
Paper and paperboard	See doc b
Food and garden waste	See doc b
Plastics	See doc b
Glass	See doc b
Textiles	See doc b
Other *(specify)*	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO_2 (kg/t waste)	CH_4 (kg/t waste)	N_2O (kg/t waste)	CO_2 [3] (Gg)	CH_4 (Gg)	N_2O (Gg)
Waste Incineration *(please specify)*	0,00				0,00	0,00	0,00
(biogenic) [3]		0,00	0,00	0,00	IE	IE	IE
(plastics and other non-biogenic waste) [3]		0,00	0,00	0,00	IE	IE	IE
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

(1) Actual emissions (after recovery).

(2) CH_4 recovered and flared or utilized.

(3) Under Waste Disposal, CO_2 emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO_2 emissions from non-biogenic wastes are included in the totals, while the CO_2 emissions from biogenic wastes are not included in the totals.

(a) Specify whether total or urban population is used and the rationale for doing so.

(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

(c) For Parties using Tier 2 methods.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

6. A 1 and "addtional information": MSW is according to Danish registration of Waste deposited (ISAG database). Composition of the waste according to this database is described in the NIR 2004.
Emission is based on a first order decay model suited to Danish conditions. The DOC degraded is integral data in the model. Some parameters of the model is given above where "time lag" is given as half-life of the Carbon in the waste. The data on population size etc not provided is not used in the model. See further information in the NIR 2004
6. C: Emissions from waste inceneration plants are included in Table 1A.1a Public electricity and heat production. No waste is combusted at waste disposal sites

TABLE 6.B SECTORAL BACKGROUND DATA FOR WASTE
Wastewater Handling
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND RELATED INFORMATION[1]				IMPLIED EMISSION FACTOR			EMISSIONS[2]		
	Total organic product		CH_4 recovered and/or flared		CH_4		N_2O[3]	CH_4		N_2O[3]
	Wastewater	Sludge	Wastewater	Sludge	Wastewater	Sludge		Wastewater	Sludge	
	(Gg DC[1]/yr)		(Gg)		(kg/kg DC)		(kg/kg DC)	(Gg)		(Gg)
Industrial Wastewater	NE	NE			0,00	0,00		NE	NE	NE
Domestic and Commercial Wastewater	NE	NE			0,00	0,00		NE	NE	NE
Other *(please specify)*								0,00	0,00	0,00
					0,00	0,00				

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR	EMISSIONS
	Population[4] (1000s)	Protein consumption (protein in kg/person/yr)	N fraction (kg N/kg protein)	N_2O (kg N_2O-N/kg sewage N produced)	N_2O (Gg)
N_2O from human sewage[3]				0,00	NE

[1] DC - degradable organic component. DC indicators are COD (Chemical Oxygen Demand) for industrial wastewater and BOD (Biochemical Oxygen Demand) for Domestic/Commerc wastewater/sludge (IPCC Guidelines (Volume 3. Reference Manual, pp. 6.14, 6.18)).

[2] Actual emissions (after recovery)

[3] Parties using other methods for estimation of N_2O emissions from human sewage or wastewater treatment should provide corresponding information on methods, activity da and emission factors used in the documentation box. Use the table to provide aggregate data.

[4] Specify whether total or urban population is used in the calculations and the rationale for doing so. Provide explanation in the documentation box.

Documentation box:

6 B. The Danish wastewater handling systems are believed to produce emissions of only minor importance. Basically the handling systems are considered anaerobic and thereby the CH4 emissions to be low or negligible. Estimation and documentation of the emissions from waste water handling systems will be worked upon and included in the next submission.

Additional information

	Domestic	Industrial
Total wastewater (m^3):		
Treated wastewater (%):		

Wastewater streams:	Wastewater output (m^3)	DC ($kgCOD/m^3$)
Industrial wastewater		
Iron and steel		
Non-ferrous		
Fertilizers		
Food and beverage		
Paper and pulp		
Organic chemicals		
Other *(specify)*		
	DC (kg BOD/1000 person/yr)	
Domestic and Commercial		
Other		

Handling systems:	Industrial wastewater treated (%)	Ind. sludge treated (%)	Domestic wastewater treated (%)	Domestic sludge treated (%)
Aerobic				
Anaerobic				
Other *(specify)*				

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 1 of 3)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
					P	A	P	A	P	A				
	(Gg)				CO_2 equivalent (Gg)						(Gg)			
Total National Emissions and Removals	**65.188,71**	**-3.153,00**	**280,77**	**29,64**	**1.117,56**	**323,75**	**56,00**	**4,12**	**0,01**	**0,00**	**265,86**	**694,65**	**148,76**	**100,87**
1. Energy	**63.467,74**		**37,59**	**2,76**							**265,25**	**694,65**	**107,48**	**100,87**
A. Fuel Combustion — Reference Approach[2]	61.619,58													
A. Fuel Combustion — Sectoral Approach[2]	62.902,73		27,54	2,75							262,28	647,04	99,36	98,74
1. Energy Industries	35.394,85		14,36	1,15							85,87	11,88	4,15	75,61
2. Manufacturing Industries and Construction	6.550,41		1,64	0,21							29,61	17,24	4,04	12,88
3. Transport	12.160,25		3,82	1,05							105,18	407,45	69,07	3,70
4. Other Sectors	8.626,40		7,71	0,33							40,48	209,90	21,97	6,52
5. Other	170,83		0,01	0,01							1,14	0,58	0,13	0,04
B. Fugitive Emissions from Fuels	565,01		10,05	0,01							2,97	47,61	8,12	2,12
1. Solid Fuels	0,00		6,53	0,00							0,00	45,68	0,00	0,00
2. Oil and Natural Gas	565,01		3,52	0,01							2,97	1,93	8,12	2,12
2. Industrial Processes	**1.605,67**		**0,00**	**2,74**	**1.117,56**	**323,75**	**56,00**	**4,12**	**0,01**	**0,00**	**0,61**	**0,00**	**0,71**	**0,00**
A. Mineral Products	1.568,80		0,00	0,00							0,00	0,00	0,09	0,00
B. Chemical Industry	1,87		0,00	2,74	0,00	0,00	0,00	0,00	0,00	0,00	0,61	0,00	0,04	0,00
C. Metal Production	35,01		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production [3]	NE										0,00	0,00	0,57	0,00
E. Production of Halocarbons and SF_6						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF_6					1.117,56	323,75	56,00	4,12	0,01	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

[1] The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

[2] For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculatic using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

[3] Other Production includes Pulp and Paper and Food and Drink Production

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of referenc

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs [1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
					P	A	P	A	P	A				
	(Gg)				CO_2 equivalent (Gg)						(Gg)			
3. Solvent and Other Product Use	**115,30**			**0,00**									**39,30**	
4. Agriculture	**0,00**	**0,00**	**183,97**	**24,14**							0,00	0,00	1,27	0,00
A. Enteric Fermentation			141,93											
B. Manure Management			42,04	2,10									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	[4]	[4]	0,00	22,04									1,27	
E. Prescribed Burning of Savannas			0,00	0,00							NO	NO	NO	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	[5] **0,00**	[5] **-3.153,00**	**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
A. Changes in Forest and Other Woody Biomass Stocks	[5] 0,00	[5] -3.153,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00							0,00	0,00	NE	
C. Abandonment of Managed Lands	[5] 0,00	[5] 0,00												
D. CO_2 Emissions and Removals from Soil	[5] 0,00	[5] 0,00												
E. Other	[5] 0,00	[5] 0,00	0,00	0,00							0,00	0,00		
6. Waste	**0,00**		**59,21**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
A. Solid Waste Disposal on Land	[6] 0,00		59,21									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	[6] 0,00		0,00	0,00							IE	IE	IE	IE
D. Other	0,00		0,00	0,00							0,00	0,00	0,00	0,00
7. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**

[4] According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO_2 emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO_2 emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

[5] Please do not provide an estimate of both CO_2 emissions and CO_2 removals. "Net" emissions (emissions - removals) of CO_2 should be estimated and a single number placed in either the CO_2 emissions or CO_2 removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

[6] Note that CO_2 from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs		PFCs		SF_6		NO_x	CO	NMVOC	SO_2
					P	A	P	A	P	A				
	(Gg)				CO_2 equivalent (Gg)				(Gg)					
Memo Items: [7]														
International Bunkers	**6.412,99**		**0,13**	**0,35**							**128,65**	**11,79**	**3,56**	**65,65**
Aviation	2.009,67		0,03	0,07							8,07	1,54	0,34	0,06
Marine	4.403,33		0,10	0,28							120,57	10,26	3,23	65,59
Multilateral Operations	**0,00**		**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
CO_2 Emissions from Biomass	**6.840,45**													

[7] Memo Items are not included in the national totals

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO_2 emissions	CO_2 removals	CH_4	N_2O	HFCs[1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
						P	A	P	A	P	A				
		(Gg)				CO_2 equivalent (Gg)						(Gg)			
Total National Emissions and Removals		**65.188,71**	**-3.153,00**	**280,77**	**29,64**	**1.117,56**	**323,75**	**56,00**	**4,12**	**0,01**	**0,00**	**265,86**	**694,65**	**148,76**	**100,87**
1. Energy		**63.467,74**		**37,59**	**2,76**							**265,25**	**694,65**	**107,48**	**100,87**
A. Fuel Combustion	Reference Approach[2]	61.619,58													
	Sectoral Approach[2]	62.902,73		27,54	2,75							262,28	647,04	99,36	98,74
B. Fugitive Emissions from Fuels		565,01		10,05	0,01							2,97	47,61	8,12	2,12
2. Industrial Processes		**1.605,67**		**0,00**	**2,74**	**1.117,56**	**323,75**	**56,00**	**4,12**	**0,01**	**0,00**	**0,61**	**0,00**	**0,71**	**0,00**
3. Solvent and Other Product Use		**115,30**			**0,00**							**0,00**	**0,00**	**39,30**	**0,00**
4. Agriculture [3]		**0,00**	**0,00**	**183,97**	**24,14**							**0,00**	**0,00**	**1,27**	**0,00**
5. Land-Use Change and Forestry		[4] **0,00**	[4] **-3.153,00**	**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
6. Waste		**0,00**		**59,21**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
7. Other		**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
Memo Items:															
International Bunkers		**6.412,99**		**0,13**	**0,35**							**128,65**	**11,79**	**3,56**	**65,65**
Aviation		2.009,67		0,03	0,07							8,07	1,54	0,34	0,06
Marine		4.403,33		0,10	0,28							120,57	10,26	3,23	65,59
Multilateral Operations		**0,00**		**0,00**	**0,00**							**0,00**	**0,00**	**0,00**	**0,00**
CO_2 Emissions from Biomass		**6.840,45**													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

[1] The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

[2] For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table1.A Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

[3] See footnote 4 to Summary 1.A

[4] Please do not provide an estimate of both CO_2 emissions and CO_2 removals. "Net" emissions (emissions - removals) of CO_2 should be estimated and a single number placed in either the CO_2 emissions or CO_2 removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO_2 EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 [1]	CH_4	N_2O	HFCs	PFCs	SF_6	Total
	CO_2 equivalent (Gg)						
Total (Net Emissions) [1]	**62.035,71**	**5.896,20**	**9.187,04**	**323,75**	**4,12**	**73,09**	**77.519,91**
1. Energy	**63.467,74**	**789,48**	**856,04**				**65.113,26**
A. Fuel Combustion (Sectoral Approach)	62.902,73	578,44	852,96				64.334,14
1. Energy Industries	35.394,85	301,55	355,37				36.051,78
2. Manufacturing Industries and Construction	6.550,41	34,47	64,94				6.649,82
3. Transport	12.160,25	80,26	326,64				12.567,15
4. Other Sectors	8.626,40	161,94	103,58				8.891,91
5. Other	170,83	0,22	2,43				173,47
B. Fugitive Emissions from Fuels	565,01	211,03	3,08				779,12
1. Solid Fuels	0,00	137,09	0,00				137,09
2. Oil and Natural Gas	565,01	73,94	3,08				642,03
2. Industrial Processes	**1.605,67**	**0,00**	**848,23**	**323,75**	**4,12**	**73,09**	**2.854,86**
A. Mineral Products	1.568,80	0,00	0,00				1.568,80
B. Chemical Industry	1,87	0,00	848,23	0,00	0,00	0,00	850,09
C. Metal Production	35,01	0,00	0,00		0,00	14,34	49,35
D. Other Production	NE						0,00
E. Production of Halocarbons and SF_6				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF_6				323,75	4,12	58,75	386,62
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	**115,30**		**0,00**				**115,30**
4. Agriculture	**0,00**	**3.863,42**	**7.482,77**				**11.346,19**
A. Enteric Fermentation		2.980,62					2.980,62
B. Manure Management		882,80	649,50				1.532,29
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils [2]		0,00	6.833,27				6.833,27
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry [1]	**-3.153,00**	**0,00**	**0,00**				**-3.153,00**
6. Waste	**0,00**	**1.243,31**	**0,00**				1.243,31
A. Solid Waste Disposal on Land	0,00	1.243,31					1.243,31
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
							0,00
Memo Items:							
International Bunkers	**6.412,99**	**2,82**	**107,71**				**6.523,53**
Aviation	2.009,67	0,73	21,78				2.032,18
Marine	4.403,33	2,10	85,93				4.491,35
Multilateral Operations	**0,00**	**0,00**	**0,00**				**0,00**
CO_2 Emissions from Biomass	**6.840,45**						**6.840,45**

[1] For CO_2 emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).
[2] See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 emissions	CO_2 removals	Net CO_2 emissions / removals	CH_4	N_2O	Total emissions
Land-Use Change and Forestry	CO_2 equivalent (Gg)					
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-3.153,00	-3.153,00			-3.153,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO_2 Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO_2 Equivalent Emissions from Land-Use Change and Forestry	0,00	-3.153,00	-3.153,00	0,00	0,00	-3.153,00

Total CO_2 Equivalent Emissions without Land-Use Change and Forestry [a]	80.672,91
Total CO_2 Equivalent Emissions with Land-Use Change and Forestry [a]	77.519,91

[a] The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 1 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6	
	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]
1. Energy												
A. Fuel Combustion	C	CS	C	CS/C	C	C						
1. Energy Industries	C	CS	C	CS/C	C	C						
2. Manufacturing Industries and Construction	C	CS	C	CS/C	C	C						
3. Transport	M/C	CS	M/C	M/C	M/C	M/C						
4. Other Sectors	C	CS	C	CS/C	C	C						
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels	NO		D	D	NO							
2. Oil and Natural Gas	C	C	C	C	C	C						
2. Industrial Processes												
A. Mineral Products	CS	CS	NO		NO							
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF_6							NO		NO		NO	
F. Consumption of Halocarbons and SF_6							M/CS	CS	M/CS	CS	M/CS	CS
G. Other												

[1] Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

[2] Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 2 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6	
	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]	Method applied [1]	Emission factor [2]
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation			T1/T2	CS								
B. Manure Management			T2	CS								
C. Rice Cultivation			NO									
D. Agricultural Soils	NE		NE		CS/M	CS/M						
E. Prescribed Burning of Savannas			NO									
F. Field Burning of Agricultural Residues			NO		NO							
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO_2 Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land	NO		CS/M	CS/M								
B. Wastewater Handling			NE		NE							
C. Waste Incineration	IE		IE		IE							
D. Other												
7. Other *(please specify)*												

TABLE 7 OVERVIEW TABLE[(1)] FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6		NO_x		CO		NMVOC		SO_2	
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality
Total National Emissions and Removals																				
1 Energy																				
A. Fuel Combustion Activities																				
Reference Approach	ALL	H																		
Sectoral Approach	ALL																			
1. Energy Industries	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	M	ALL	H
2. Manufacturing Industries and Construction	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	M	ALL	H
3. Transport	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	H	ALL	H
4. Other Sectors	ALL	H	ALL	M	ALL	L							ALL	H	ALL	H	ALL	M	ALL	H
5. Other																				
B. Fugitive Emissions from Fuels																				
1. Solid Fuels	NO		ALL	L																
2. Oil and Natural Gas	ALL	L	ALL	L																
2 Industrial Processes																				
A. Mineral Products	ALL	M																		
B. Chemical Industry																				
C. Metal Production																				
D. Other Production																				
E. Production of Halocarbons and SF_6							NO		NO		NO									

[(1)] This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6		NO_x		CO		NMVOC		SO_2	
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality
2 Industrial Processes (continued)																				
F. Consumption of Halocarbons and SF_6																				
Potential [2]							ALL	M	ALL	M	ALL	M								
Actual [3]							ALL	M	ALL	M	ALL	M								
G. Other																				
3 Solvent and Other Product Use																				
4 Agriculture																				
A. Enteric Fermentation			ALL	H																
B. Manure Management			ALL	M	ALL	M											NE			
C. Rice Cultivation			NO														NO			
D. Agricultural Soils	NE		NE		ALL	M											ALL	L		
E. Prescribed Burning of Savannas			NO		NO								NO		NO		NO		NO	
F. Field Burning of Agricultural Residues			NO		NO								NO		NO		NO		NO	
G. Other																				
5 Land-Use Change and Forestry																				
A. Changes in Forest and Other Woody Biomass Stocks																				
B. Forest and Grassland Conversion																				

[2] Potential emissions based on Tier 1 approach of the IPCC Guidelines.
[3] Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 3 of 3)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6		NO_x		CO		NMVOC		SO_2	
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality
5 Land-Use Change and Forestry (continued)																				
C. Abandonment of Managed Lands																				
D. CO_2 Emissions and Removals from Soil																				
E. Other																				
6 Waste																				
A. Solid Waste Disposal on Land			ALL	M											NO		NO			
B. Wastewater Handling			NE		NE								NE		NE		NE			
C. Waste Incineration			IE										IE		IE		IE			
D. Other																				
7 Other *(please specify)*																				
Memo Items:																				
International Bunkers																				
Aviation	ALL	H	ALL	L	ALL	L							ALL	H	ALL	H	ALL	H	ALL	H
Marine	ALL	H	ALL	L	ALL	L							ALL	H	ALL	H	ALL	H	ALL	H
Multilateral Operations																				
CO_2 Emissions from Biomass																				

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated year: 2004

(Sheet 1 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO_2			CH_4			N_2O		
		Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]
		CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)
Total National Emissions and Removals		**62.067,34**	**62.035,71**	**-0,05**	**5.919,81**	**5.896,20**	**-0,40**	**9.343,08**	**9.187,04**	**-1,67**
1. Energy		**63.554,72**	**63.467,74**	**-0,14**	**810,44**	**789,48**	**-2,59**	**857,31**	**856,04**	**-0,15**
1.A.	Fuel Combustion Activities	62.989,71	62.902,73	-0,14	599,41	578,44	-3,50	854,23	852,96	-0,15
1.A.1.	Energy Industries	35.433,35	35.394,85	-0,11	326,43	301,55	-7,62	363,37	355,37	-2,20
1.A.2.	Manufacturing Industries and Construction	6.763,47	6.550,41	-3,15	36,57	34,47	-5,73	62,82	64,94	3,37
1.A.3.	Transport	12.102,15	12.160,25	0,48	79,61	80,26	0,81	326,16	326,64	0,15
1.A.4.	Other Sectors	8.519,92	8.626,40	1,25	156,58	161,94	3,42	99,44	103,58	4,16
1.A.5.	Other	170,83	170,83	0,00	0,22	0,22	0,00	2,43	2,43	0,00
1.B.	Fugitive Emissions from Fuels	565,01	565,01	0,00	211,03	211,03	0,00	3,08	3,08	0,00
1.B.1.	Solid fuel	0,00	0,00	0,00	137,09	137,09	0,00	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	565,01	565,01	0,00	73,94	73,94	0,00	3,08	3,08	0,00
2. Industrial Processes		**1.539,32**	**1.605,67**	**4,31**	**0,00**	**0,00**	**0,00**	**0,00**	**848,23**	**0,00**
2.A.	Mineral Products	1.539,32	1.568,80	1,92	0,00	0,00	0,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	1,87	0,00	0,00	0,00	0,00	0,00	848,23	0,00
2.C.	Metal Production	0,00	35,01	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	NE	0,00						
2.G.	Other	0,00	0,00	0,00			0,00			0,00
3. Solvent and Other Product Use		**115,30**	**115,30**	**0,00**						**0,00**
4. Agriculture		**0,00**	**0,00**	**0,00**	**3.868,27**	**3.863,42**	**-0,13**	**8.485,77**	**7.482,77**	**-11,82**
4.A.	Enteric Fermentation				2.937,95	2.980,62	1,45			
4.B.	Manure Management				930,32	882,80	-5,11	449,69	649,50	44,43
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils [2]			0,00	0,00	0,00	0,00	8.036,08	6.833,27	-14,97
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		**-3.142,00**	**-3.153,00**	**0,35**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
5.A.	Changes in Forest and Other Woody Biomass Stocks	-3.142,00	-3.153,00	0,35						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO_2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

[1] Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission.
All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

[2] See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated year: 2004

(Sheet 2 of 2)

Denmark
1997
2004, May 19

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2			CH_4			N_2O		
	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]
	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)
6. Waste	**0,00**	**0,00**	**0,00**	**1.241,10**	**1.243,31**	**0,18**	**0,00**	**0,00**	**0,00**
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.241,10	1.243,31	0,18			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other *(please specify)*	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
			0,00			0,00			0,00
Memo Items:									
International Bunkers	**6.428,78**	**6.412,99**	**-0,25**	**2,83**	**2,82**	**-0,26**	**108,02**	**107,71**	**-0,28**
Multilateral Operations	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**
CO_2 Emissions from Biomass	**6.617,41**	**6.840,45**	**3,37**						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF_6		
	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]	Previous submission	Latest submission	Difference[1]
	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)	CO_2 equivalent (Gg)		(%)
Total Actual Emissions	**392,15**	**323,75**	**-17,44**	**7,23**	**4,12**	**-43,04**	**73,09**	**73,09**	**0,00**
2.C.3. Aluminium Production				0,00	0,00	0,00	14,34	14,34	0,00
2.E. Production of Halocarbons and SF_6	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF_6	392,15	323,75	-17,44	7,23	4,12	-43,04	58,75	58,75	0,00
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF_6	**1.373,11**	**1.117,56**		**56,00**	**56,00**		**286,80**	**286,80**	

	Previous submission	Latest submission	Difference[1]
	CO_2 equivalent (Gg)		(%)
Total CO_2 Equivalent Emissions with Land-Use Change and Forestry[3]	77.802,70	77.519,91	-0,36
Total CO_2 Equivalent Emissions without Land-Use Change and Forestry[3]	80.944,70	80.672,91	-0,34

[3] The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
1997
2004, May 19

Specify the sector and source/sink category[1] where changes in estimates have occurred:		GHG	RECALCULATION DUE TO			
			CHANGES IN:			Addition/removal/ replacement of source/sink categories
			Methods [2]	Emission factors [2]	Activity data [2]	
1.A.1-.3	Energy	CO2, CH4, N2O	Fuel Consumption rates have been recalculated as a result of recalculation of off road machinery. Emission factors for combined heat and power plants have been improved based on new measurements	Yes	Yes	Addition of CO2 from production of glass
1.A.4.b	Residential	CO2, CH4, N2O	A revision of the model estimating the fuel use household and gardening machinery has been made. For further information see the Danish NIR report.	No changes in background emission factors. The aggregated emission factors changes due to a change in fuel distribution	Yes	
1.A.4.c	Agriculture/Forestry/Fisheries	CO2, CH4, N2O	Some of the diesel fuel used by fishing vessels is transfered to the sector Navigation (small boats). A revision of the model estimating the fuel use by agricultural and forestry machinery has been made. For further information see the Danish NIR report.	No changes in background emission factors. The aggregated emission factors changes due to a change in fuel distribution	Yes	
1.A.3.d	Navigation	CO2, CH4, N2O	The fuel used by small boats and plesurecrafts has been revised, and is now taken from the fishery sector in the Danish fuel sale statistics. For further information see the Danish NIR report.	No changes in background emission factors. The aggregated emission factors changes due to a change in fuel distribution	Yes	
1.A.3.c	Railways	CH4	Updated CH4 emission factors for diesel are used based on real emission measurements carried out by the Danish Railways. For gasoline the minor amount of fuel used by railways is transfered to road transport.	Yes	Yes	
2A	Mineral products	CO2			The activity data has been changed from cement to total cement equivalents	Addition of CO2 from production of glass
2B	Chemical industry	CO2, N2O				Addition of CO2 from production of catalysts and NPK-fertilisers and N2O from production of nitric acid
2C	Metal production	CO2				Addition of CO2 from use of metallurgical coke at steelwork
2F	Consumption of Halocarbons and S	HFCs and PFC	Revision of methodology as part of a full revision for the whole time-series	Yes	Yes	
4	Agriculture	CH4	The revised CH4 emission from both enteric fermentation and manure management reflects changes in fodder conditions and stable systems for each year. The emission factor for all animal categories is based on tier 2 approach as given in IPPC Guidelines.	Yes	Yes	
4	Agriculture	N2O	The most important changes in the N2O emission is due to recalculation made by the Danish Institute of Agricultural Sciences of N-leaching and recalculation of emission from crop residue.	Yes	Yes	
6	Waste	CH4	Minor corrections of the emission factors were made to make full agreement between activities and emissions reported in the CRF and the First Order Decay model used for the CH4 emission estimates.	Yes	Yes	

[1] Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)) .
[2] Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1997
2004, May 19

Sources and sinks not reported (NE)[1]			
GHG	**Sector[2]**	**Source/sink category[2]**	**Explanation**
CO_2	Waste	Wastewater handling	Wastewater handling systems are considered to produce only negligible emissions.
	2. Industrial Processes	Asphalt roofing and road paving	An inventory is under development
	2. Industrial Processes	Limestone, dolomite and soda ash use	At present the emissions are included in glass production and it will be investigated whether a more detailed inventory can be established
CH_4	Waste	Wastewater handling	Wastewater handling systems are considered to produce only minor emissions, to be investigated
	Agriculture, Enteric fermentation - table 4s1 + table 4.A	Poultry and fur farming	The methane convension factor for poultry and fur farming is not estimated. There is no default value recommended in IPCC (table A-4 in GPG)
	Agricultural soils	Direct soil emissions	The CH4 emission from manure storage in the field is not estimated
	Agricultural soils	Indirect emissions	The CH4 emission from cultivation of organogenic soil is not estimated
N_2O	Waste	Wastewater handling	Wastewater handling systems are considered to produce only minor emissions, to be investigated
HFCs			
PFCs			
SF_6			

Sources and sinks reported elsewhere (IE)[3]				
GHG	**Source/sink category**	**Allocation as per IPCC Guidelines**	**Allocation used by the Party**	**Explanation**
CO_2	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
CH_4	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
	Agricultural soils, animal production	4s2	4s1	CH4 emission caculated in 4s1 under B Manure Management includes emission from animal on grass
N_2O	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
HFCs				
PFCs				
SF_6				

[1] Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.
[2] Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).
[3] Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
1997
2004, May 19

Additional GHG emissions reported[4]						
GHG	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO_2 equivalent (Gg)	Reference to the data source of GWP value	Explanation

[4] Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION[1]

Party: Denmark **Year:** 1997

Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, Danish National Environmental Research Institute		
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde		
	Telephone:	+ 45 46 30 12 89	Fax: + 45 46 30 12 12	E-mail: jbi@dmu.dk
	Main institution preparing the inventory:	Danish National Environmental Research Institute, Ministry of the Environment		

General info:	Date of submission:	15-apr-04		
	Base years:	1990	PFCs, HFCs, SF_6:	1995
	Year covered in the submission:	1990-2002		
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6		
	Omissions in geographic coverage:			

		Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste
Tables:	Sectoral report tables:	☑	☑	☑	☑	☑	☑
	Sectoral background data tables:	☑	☑	☑	☑	☑	☑
	Summary 1 (IPCC Summary tables):	IPCC Table 7A:		☑	IPCC Table 7B:		☑
	Summary 2 (CO_2 equivalent emissions):			☑			
	Summary 3 (Methods/Emission factors):			☑			
	Uncertainty:	IPCC Table 8A:		☐	National information:		☑
	Recalculation tables:			☑			
	Completeness table:			☑			
	Trend table:			☐			

CO_2	Comparison of CO_2 from fuel combustion:	Worksheet 1-1	Percentage of difference	Explanation of differences
		☑	-1,26	☑

		Energy	Ind.Processes	Solvent Use	LUCF	Agriculture	Waste
Recalculation:	CO_2	☑	☑	☐	☐	☑	☑
	CH_4	☑	☑	☐	☐	☑	☑
	N_2O	☑	☑	☐	☐	☑	☑
	HFCs, PFCs, SF_6		☑				
	Explanations:	☑	☑	☐	☐	☑	☑
	Recalculation tables for all recalculated years			☑			
	Full CRF for the recalculated base year			☑			

		HFCs		PFCs		SF_6	
HFCs, PFCs, SF_6:	Disaggregation by species:	☑		☑			
	Production of Halocarbons/SF_6:	☑		☑		☑	
	Consumption of Halocarbons/SF_6:	Actual	Potential	Actual	Potential	Actual	Potential
		☑	☑	☑	☑	☑	☑
	Potential/Actual emission ratio:	3,45		13,60		4,88	

Reference to National Inventory Report and/or national inventory web site:	NIR2004

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

[1] For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.