

Annex 7

IPCC Source category	Gas	Base year emission	Year t emission	Activity data uncertainty	Emission factor uncertainty	Combined uncertainty	Combined uncertainty as % of total national emissions in year t	Type A sensitivity	Type B sensitivity	Uncertainty i trend in national emissions introduced by emission factor uncertainty	Uncertainty in trend in national emissions introduced by activity data uncertainty	Uncertainty introduced into the trend in total national emissions
		Input data Gg CO2 eq	Input data Gg CO2 eq	Input data %	Input data %							
Stationary Combustion, Coal	CO2	24209	16708	1	5	5,099	1,344	-0,111	0,260	-0,556	0,368	0,667
Stationary Combustion, Petroleum coke	CO2	410	762	3	5	5,831	0,070	0,006	0,012	0,028	0,050	0,057
Stationary Combustion, Plastic waste	CO2	369	599	5	5	7,071	0,067	0,004	0,009	0,018	0,066	0,068
Stationary Combustion, Residual oil	CO2	2505	1923	2	2	2,828	0,086	-0,009	0,030	-0,017	0,085	0,086
Stationary Combustion, Gas oil	CO2	4564	2920	4	5	6,403	0,295	-0,025	0,045	-0,123	0,257	0,285
Stationary Combustion, Kerosene	CO2	366	18	4	5	6,403	0,002	-0,005	0,000	-0,027	0,002	0,027
Stationary Combustion, Orimulsion	CO2	0	1908	1	2	2,236	0,067	0,030	0,030	0,059	0,042	0,073
Stationary Combustion, Natural gas	CO2	4330	11090	3	1	3,162	0,553	0,106	0,173	0,106	0,732	0,740
Stationary Combustion, LPG	CO2	194	104	4	5	6,403	0,011	-0,001	0,002	-0,007	0,009	0,011
Stationary Combustion, Refinery gas	CO2	806	842	3	5	5,831	0,077	0,001	0,013	0,004	0,056	0,056
Stationary combustion plants, gas engines	CH4	2	400	2,2	40	40,060	0,253	0,006	0,006	0,248	0,019	0,248
Stationary combustion plants, other	CH4	117	133	2,2	100	100,024	0,210	0,000	0,002	0,028	0,006	0,029
Stationary combustion plants	N2O	397	383	2,2	1000	1000,002	6,037	0,000	0,006	-0,142	0,019	0,143
Transport, Civil aviation, Aviation Gasoline	CO2	8	7	2	5	5,385	0,001	0,000	0,000	0,000	0,000	0,000
Transport, Civil aviation, Jet Kerosene	CO2	208	139	2	5	5,385	0,012	-0,001	0,002	-0,005	0,006	0,008
Transport, Road transport, Gasoline	CO2	4914	6021	2	5	5,385	0,512	0,018	0,094	0,091	0,265	0,280
Transport, Road transport, Diesel Oil	CO2	4436	5369	2	5	5,385	0,456	0,015	0,084	0,077	0,236	0,249
Transport, Railways, Diesel Oil	CO2	297	210	2	5	5,385	0,018	-0,001	0,003	-0,006	0,009	0,011
Transport, Navigation, Residual Oil	CO2	278	161	2	5	5,385	0,014	-0,002	0,003	-0,009	0,007	0,011
Transport, Navigation, Gas/Diesel Oil	CO2	246	320	2	5	5,385	0,027	0,001	0,005	0,006	0,014	0,015
Transport, Agriculture, Diesel Oil	CO2	1280	1184	20	5	20,616	0,385	-0,001	0,018	-0,006	0,521	0,521
Transport, Agriculture, Gasoline	CO2	38	36	20	5	20,616	0,012	0,000	0,001	0,000	0,016	0,016
Transport, Forestry, Diesel Oil	CO2	0	0	20	5	20,616	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Forestry, Gasoline	CO2	4	4	20	5	20,616	0,001	0,000	0,000	0,000	0,002	0,002
Transport, Industry, Diesel Oil	CO2	687	635	20	5	20,616	0,207	-0,001	0,010	-0,003	0,280	0,280
Transport, Industry, Gasoline	CO2	10	10	20	5	20,616	0,003	0,000	0,000	0,000	0,004	0,004
Transport, Industry, LPG	CO2	81	97	20	5	20,616	0,032	0,000	0,002	0,001	0,043	0,043
Transport, Household and gardening, Gasoline	CO2	87	82	20	5	20,616	0,027	0,000	0,001	0,000	0,036	0,036
Transport, Civil aviation, Aviation Gasoline	CH4	0	0	2	100	100,020	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Civil aviation, Jet Kerosene	CH4	0	0	2	100	100,020	0,000	0,000	0,000	0,000	0,000	0,000

Transport, Road transport, Gasoline	CH4	48	56	2	40	40,050	0,036	0,000	0,001	0,006	0,002	0,006
Transport, Road transport, Diesel Oil	CH4	7	7	2	40	40,050	0,004	0,000	0,000	0,000	0,000	0,000
Transport, Railways, Diesel Oil	CH4	0	0	2	100	100,020	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Navigation, Residual Oil	CH4	0	0	2	100	100,020	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Navigation, Gas/Diesel Oil	CH4	0	0	2	100	100,020	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Agriculture, Diesel Oil	CH4	2	1	20	100	101,980	0,002	0,000	0,000	0,000	0,001	0,001
Transport, Agriculture, Gasoline	CH4	1	1	20	100	101,980	0,001	0,000	0,000	0,000	0,000	0,000
Transport, Forestry, Diesel Oil	CH4	0	0	20	100	101,980	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Forestry, Gasoline	CH4	0	0	20	100	101,980	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Industry, Diesel Oil	CH4	1	1	20	100	101,980	0,001	0,000	0,000	0,000	0,000	0,000
Transport, Industry, Gasoline	CH4	0	0	20	100	101,980	0,001	0,000	0,000	0,000	0,000	0,000
Transport, Industry, LPG	CH4	2	2	20	100	101,980	0,003	0,000	0,000	0,001	0,001	0,001
Transport, Household and gardening, Gasoline	CH4	3	3	20	100	101,980	0,004	0,000	0,000	0,000	0,001	0,001
Transport, Civil aviation, Aviation Gasoline	N2O	0	0	2	1000	1000,002	0,001	0,000	0,000	0,000	0,000	0,000
Transport, Civil aviation, Jet Kerosene	N2O	3	2	2	1000	1000,002	0,037	0,000	0,000	-0,008	0,000	0,008
Transport, Road transport, Gasoline	N2O	47	276	2	50	50,040	0,218	0,004	0,004	0,179	0,012	0,179
Transport, Road transport, Diesel Oil	N2O	84	118	2	50	50,040	0,093	0,001	0,002	0,027	0,005	0,027
Transport, Railways, Diesel Oil	N2O	3	2	2	1000	1000,002	0,028	0,000	0,000	-0,011	0,000	0,011
Transport, Navigation, Residual Oil	N2O	5	3	2	1000	1000,002	0,049	0,000	0,000	-0,034	0,000	0,034
Transport, Navigation, Gas/Diesel Oil	N2O	5	6	2	1000	1000,002	0,092	0,000	0,000	0,021	0,000	0,021
Transport, Agriculture, Diesel Oil	N2O	17	15	20	1000	1000,200	0,243	0,000	0,000	-0,016	0,007	0,017
Transport, Agriculture, Gasoline	N2O	0	0	20	1000	1000,200	0,004	0,000	0,000	0,000	0,000	0,000
Transport, Forestry, Diesel Oil	N2O	0	0	20	1000	1000,200	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Forestry, Gasoline	N2O	0	0	20	1000	1000,200	0,000	0,000	0,000	0,000	0,000	0,000
Transport, Industry, Diesel Oil	N2O	9	8	20	1000	1000,200	0,132	0,000	0,000	-0,009	0,004	0,009
Transport, Industry, Gasoline	N2O	0	0	20	1000	1000,200	0,001	0,000	0,000	0,000	0,000	0,000
Transport, Industry, LPG	N2O	1	1	20	1000	1000,200	0,023	0,000	0,000	0,004	0,001	0,004
Transport, Household and gardening, Gasoline	N2O	1	1	20	1000	1000,200	0,009	0,000	0,000	0,000	0,000	0,000
Energy, fugitive emissions, oil and natural gas	CO2	240	535	15	5	15,811	0,134	0,005	0,008	0,023	0,177	0,178
Energy, fugitive emissions, solid fuels	CH4	72	62	2	200	200,010	0,197	0,000	0,001	-0,028	0,003	0,028
Energy, fugitive emissions, oil and natural gas	CH4	21	70	15	50	52,202	0,057	0,001	0,001	0,038	0,023	0,045
Energy, fugitive emissions, oil and natural gas	N2O	1	3	15	50	52,202	0,002	0,000	0,000	0,001	0,001	0,002
Agriculture, enteric fermentation	CH4	3100	2798	2	20	20,100	0,887	-0,004	0,044	-0,081	0,123	0,147
Agriculture, manure management	CH4	742	966	10	30	31,623	0,482	0,004	0,015	0,109	0,213	0,239
Agriculture, manure management	N2O	686	605	10	500	500,100	4,777	-0,001	0,009	-0,559	0,133	0,574
Agriculture, Agricultural soils	N2O	8297	5765	20	500	500,400	45,521	-0,038	0,090	-18,808	2,538	18,978
Total		64242	63373			2135,657						362,333
Total uncertainties						Overall uncertainty i the year (%):	46,213			Trend uncertainty (%):	19,035	