

## ***ANNEX 1***

### **Key categories**

## Annex 1: Key categories

For determination of key source categories the IPCC methodology has been used as described in the 2006 IPCC Guidelines for National GHG Inventories, Chapter 4, following Approach 1 and using disaggregation as presented in the Table 4.1.

### Level Assessment – TIER 1

The contribution of each source category to the total national inventory level is calculated according to the Equation 4.1

$$\text{Source Category Level Assessment} = |\text{Source Category Estimate}| / \text{Total Estimate} \\ L_{x,t} = |E_{x,t}| / E_t$$

Where:

**L<sub>x,t</sub>** is the Level Assessment for source x in year t

**Source Category Estimate** ( $E_{x,t}$ ) is the emission estimate of source category x in year t

**Total Estimate** ( $E_t$ ) is the total contribution, which is the sum of the absolute values of emissions and removals in year t

### Trend Assessment - TIER 1

The contribution of each source category's trend to the trend in the total inventory can be assessed if more than one year of inventory data are available, according to Equation 4.2:

$$T_{x,t} = L_{x,0} * \{ [(E_{x,t} - E_{x,0}) / E_{x,0}] - [(E_t - E_0) / E_0] \} /$$

Where:

**T<sub>x,t</sub>** is the contribution of the source category trend to the overall inventory trend, called the Trend Assessment.

**L<sub>x,0</sub>** is the Level Assessment for source x in the base year (year 0), derived with the Equation 4.1

**E<sub>x,t</sub>** and **E<sub>x,0</sub>** are the emissions estimates of category x in years t and 0, respectively  
**E<sub>t</sub>** and **E<sub>0</sub>** are the total inventory estimates in years t and 0, respectively

Results of KS analyse are available on Tables 1-4 below. Categories which did not occur in the last reporting year are not included.

Table 1: Key categories - level assessment (with LULUCF)

KC 2022	IPCC Category	GHG	abs. E in 1986 (Gg CO <sub>2</sub> eq)	abs. E in 2022 (Gg CO <sub>2</sub> eq)	L 2022	Cumulative total 2022
1	1.A.3.b Road Transportation, Diesel Oil	CO2	633.416	4395.084	0.256	0.256
2	1.A.1 Energy Industries, Solid Fuels	CO2	6318.267	3025.118	0.176	0.433
3	1.A.3.b Road Transportation, Gasoline	CO2	1299.885	1260.100	0.073	0.506
4	3.A Agriculture, Enteric Fermentation	CH4	1115.650	984.895	0.057	0.563
5	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	CO2	1252.625	982.204	0.057	0.621
6	1.A.4 Other Sectors, Liquid Fuels	CO2	1002.658	763.351	0.045	0.665
7	2.A.1 Industrial processes, Cement Production	CO2	502.219	490.340	0.029	0.694
8	4.C.2 LULUCF, Grassland remaining Grassland	CO2	163.210	376.977	0.022	0.716
9	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CO2	1568.579	361.580	0.021	0.737
10	1.A.4 Other Sectors, Gaseous Fuels	CO2	34.343	350.385	0.020	0.757
11	4.G LULUCF, Harvested wood products	CO2	457.001	304.866	0.018	0.775
12	3.D.1 Agriculture, Direct N2O Emissions from Managed Soils	N2O	309.249	278.926	0.016	0.791
13	4.E LULUCF, Land converted to Settlements	CO2	459.544	276.261	0.016	0.807
14	2.F.1 Industrial processes, Refrigeration and Air Conditioning	HFC	0.000	275.388	0.016	0.823
15	1.A.1 Energy Industries, Gaseous Fuels	CO2	198.898	273.082	0.016	0.839
16	3.B Agriculture, Manure Management	CH4	364.695	251.648	0.015	0.854
17	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CH4	478.753	180.657	0.011	0.865
18	5.A.1 Waste, Managed waste disposal sites	CH4	327.458	176.478	0.010	0.875
19	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CO2	1255.611	133.865	0.008	0.883
20	5.D.1 Waste, Domestic and Commercial Waste Water	CH4	209.100	131.048	0.008	0.890
21	1.A.4 Other Sectors, Biomass	CH4	147.839	105.717	0.006	0.896
22	4.A.1 LULUCF, Forest Land remaining Forest Land	CO2	4564.743	105.245	0.006	0.903
23	1.A.2 Manufacturing Industries and Construction, Other Fuels	CO2	7.494	103.610	0.006	0.909
24	4.E LULUCF, Settlements remaining Settlements	CO2	46.228	98.340	0.006	0.914

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25	2.G.3 Industrial processes, N <sub>2</sub> O from product use	N <sub>2</sub> O	70.014	96.948	0.006	0.920
26	3.D.2 Agriculture, Indirect N <sub>2</sub> O Emissions from Managed Soils	N <sub>2</sub> O	108.966	90.145	0.005	0.925
27	4.B.1 LULUCF, Cropland remaining Cropland	CO <sub>2</sub>	64.470	84.354	0.005	0.930
28	1.A.1 Energy Industries, Liquid Fuels	CO <sub>2</sub>	296.067	78.509	0.005	0.935
29	4.A.2 LULUCF, Land converted to Forest Land	CO <sub>2</sub>	229.914	76.958	0.004	0.939
30	3.B Agriculture, Manure Management	N <sub>2</sub> O	82.878	68.072	0.004	0.943
31	4.C.2 LULUCF, Land converted to Grassland	CO <sub>2</sub>	484.781	61.898	0.004	0.947
32	4.B.2 LULUCF, Land converted to Cropland	CO <sub>2</sub>	195.523	60.745	0.004	0.950
33	2.B.6 Industrial processes, Titanium dioxide production	CO <sub>2</sub>	17.403	52.610	0.003	0.953
34	2.C.1 Industrial processes, Iron and Steel Production	CO <sub>2</sub>	245.052	51.325	0.003	0.956
35	2.A.2 Industrial processes, Lime Production	CO <sub>2</sub>	214.129	51.322	0.003	0.959
36	1.A.3.b Road Transportation, Diesel Oil	N <sub>2</sub> O	6.054	48.369	0.003	0.962
37	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CO <sub>2</sub>	123.117	45.719	0.003	0.965
38	4.D LULUCF, Land converted to Wetlands	CO <sub>2</sub>	39.408	43.592	0.003	0.967
39	1.B.1.a Fugitive Emissions, Other	CO <sub>2</sub>	0.000	40.964	0.002	0.970
40	1.B.2.b Fugitive Emissions, Natural Gas	CH <sub>4</sub>	39.305	35.022	0.002	0.972
41	5.D.1 Waste, Domestic and Commercial Waste Water	N <sub>2</sub> O	34.591	33.036	0.002	0.974
42	2.C.3 Industrial processes, Aluminium Production	CO <sub>2</sub>	88.822	29.798	0.002	0.976
43	1.A.3.b Road Transportation, LPG	CO <sub>2</sub>	0.000	29.615	0.002	0.977
44	4.E LULUCF, Land converted to Settlements	N <sub>2</sub> O	40.368	22.633	0.001	0.978
45	1.A.4 Other Sectors, Liquid Fuels	N <sub>2</sub> O	17.352	21.537	0.001	0.980
46	1.A.3.c Railways, Liquid Fuels	CO <sub>2</sub>	68.926	21.172	0.001	0.981
47	3.G Agriculture, Liming	CO <sub>2</sub>	44.000	21.047	0.001	0.982
48	1.A.1 Energy Industries, Other Fuels	CO <sub>2</sub>	0.000	19.947	0.001	0.984
49	2.A.4 Industrial processes, Other process uses of carbonates	CO <sub>2</sub>	22.942	17.560	0.001	0.985
50	2.G.1 Industrial processes, Electrical Equipment	SF <sub>6</sub>	10.117	16.846	0.001	0.986
51	1.A.4 Other Sectors, Biomass	N <sub>2</sub> O	18.899	16.761	0.001	0.987

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52	2.A.4 Industrial processes, Glas production	CO2	4.483	14.900	0.001	0.987
53	5.C.1 Waste, Waste Incineration	CO2	1.995	13.973	0.001	0.988
54	1.A.3.b Road Transportation, Other	CO2	0.094	12.429	0.001	0.989
55	2.B.10 Industrial processes, Other (Hydrogen production)	CO2	16.942	12.195	0.001	0.990
56	5.B.1 Waste, Composting	CH4	0.000	12.157	0.001	0.990
57	1.A.1 Energy Industries, Solid Fuels	N2O	23.290	11.864	0.001	0.991
58	1.A.3.b Road Transportation, CNG	CO2	0.000	11.625	0.001	0.992
59	3.H Agriculture, Urea application	CO2	13.010	11.592	0.001	0.992
60	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	N2O	17.378	11.344	0.001	0.993
61	4.A.1 LULUCF, Forest Land remaining Forest Land	CH4	1.034	9.132	0.001	0.994
62	5.B.1 Waste, Composting	N2O	0.000	6.903	0.000	0.994
63	5.D.2 Waste, Industrial Wastewater	CH4	123.863	6.555	0.000	0.994
64	4.B.2 LULUCF, Land converted to Cropland	N2O	8.747	6.505	0.000	0.995
66	2.D.3 Industrial processes, Other	CO2	0.000	6.291	0.000	0.995
67	1.B.2.c Fugitive Emissions, Venting and Flaring	CH4	7.526	5.831	0.000	0.995
68	2.D.1 Industrial processes, Lubricant use	CO2	3.869	5.647	0.000	0.996
69	2.F.4 Industrial processes, Aerosols	HFC	0.000	5.037	0.000	0.996
70	4.A.1 LULUCF, Forest Land remaining Forest Land	N2O	0.541	4.781	0.000	0.996
71	1.A.5 Other Mobile, Liquid Fuels	CO2	41.093	4.651	0.000	0.996
53	1.A.2 Manufacturing Industries and Construction, Biomass	N2O	6.393	3.960	0.000	0.997
73	1.A.3.b Road Transportation, Gasoline	CH4	20.452	3.932	0.000	0.997
74	2.C.3 Industrial processes, Aluminium Production	PFC	209.630	3.886	0.000	0.997
75	4.F LULUCF, Other Land	CO2	13.706	3.796	0.000	0.997
76	1.A.3.b Road Transportation, Gasoline	N2O	12.828	3.245	0.000	0.998
77	1.A.2 Manufacturing Industries and Construction, Biomass	CH4	4.429	3.140	0.000	0.998
78	2.C.6 Industrial processes, Zinc production	CO2	6.307	3.117	0.000	0.998
79	2.D.2 Industrial processes, Paraffin wax use	CO2	4.267	3.051	0.000	0.998

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80	1.A.3.b Road Transportation, Biomass and other	N <sub>2</sub> O	0.000	2.935	0.000	0.999
81	1.A.4 Other Sectors, Liquid Fuels	CH <sub>4</sub>	3.623	2.672	0.000	0.999
82	1.A.1 Energy Industries, Biomass	CH <sub>4</sub>	0.133	2.349	0.000	0.999
83	1.A.3.c Railways, Liquid Fuels	N <sub>2</sub> O	7.050	2.165	0.000	0.999
84	4.C.2 LULUCF, Grassland remaining Grassland	N <sub>2</sub> O	9.811	2.059	0.000	0.999
85	4.D LULUCF, Land converted to Wetlands	N <sub>2</sub> O	2.932	2.000	0.000	0.999
86	1.A.2 Manufacturing Industries and Construction, Other Fuels	N <sub>2</sub> O	0.089	1.923	0.000	0.999
87	1.A.3.a Domestic Aviation, Liquid fuels	CO <sub>2</sub>	0.609	1.682	0.000	0.999
88	1.A.2 Manufacturing Industries and Construction, Other Fuels	CH <sub>4</sub>	0.071	1.524	0.000	0.999
89	2.C.7 Industrial processes, Other - Anode burned off	CO <sub>2</sub>	0.000	1.211	0.000	0.999
90	2.F.2 Industrial processes, Foam Blowing agents	HFC	0.000	1.170	0.000	1.000
91	1.A.4 Other Sectors, Gaseous Fuels	CH <sub>4</sub>	0.086	0.868	0.000	1.000
92	4.C.2 LULUCF, Land converted to Grassland	N <sub>2</sub> O	0.729	0.866	0.000	1.000
93	1.A.1 Energy Industries, Solid Fuels	CH <sub>4</sub>	1.641	0.836	0.000	1.000
94	1.A.2 Manufacturing Industries and Construction, Solid Fuels	N <sub>2</sub> O	4.781	0.515	0.000	1.000
95	1.A.3.e and 1.A.3.f Other	CO <sub>2</sub>	0.007	0.502	0.000	1.000
96	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	CH <sub>4</sub>	0.630	0.487	0.000	1.000
97	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	N <sub>2</sub> O	0.596	0.461	0.000	1.000
98	1.A.3.b Road Transportation, Diesel Oil	CH <sub>4</sub>	1.695	0.419	0.000	1.000
99	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CH <sub>4</sub>	1.728	0.393	0.000	1.000
100	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CH <sub>4</sub>	3.368	0.363	0.000	1.000
101	4.F LULUCF, Other Land	N <sub>2</sub> O	0.596	0.358	0.000	1.000
102	1.A.3.b Road Transportation, CNG	CH <sub>4</sub>	0.000	0.292	0.000	1.000
103	2.F.3 Industrial processes, Fire Protection	HFC	0.000	0.269	0.000	1.000
104	1.A.3.b Road Transportation, CNG	N <sub>2</sub> O	0.000	0.267	0.000	1.000
105	1.A.1 Energy Industries, Other Fuels	N <sub>2</sub> O	0.000	0.231	0.000	1.000
106	1.A.1 Energy Industries, Other Fuels	CH <sub>4</sub>	0.000	0.183	0.000	1.000

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107	1.A.4 Other Sectors, Gaseous Fuels	N <sub>2</sub> O	0.016	0.164	0.000	1.000
108	1.A.1 Energy Industries, Liquid Fuels	N <sub>2</sub> O	0.606	0.156	0.000	1.000
109	1.A.1 Energy Industries, Gaseous Fuels	CH <sub>4</sub>	0.100	0.135	0.000	1.000
110	1.A.1 Energy Industries, Gaseous Fuels	N <sub>2</sub> O	0.095	0.128	0.000	1.000
111	1.A.3.b Road Transportation, Biomass and other	CH <sub>4</sub>	0.000	0.123	0.000	1.000
112	1.A.3.b Road Transportation, LPG	N <sub>2</sub> O	0.000	0.120	0.000	1.000
113	1.A.3.b Road Transportation, LPG	CH <sub>4</sub>	0.000	0.104	0.000	1.000
114	1.A.1 Energy Industries, Liquid Fuels	CH <sub>4</sub>	0.321	0.084	0.000	1.000
115	5.C.1 Waste, Waste Incineration	N <sub>2</sub> O	0.007	0.064	0.000	1.000
116	1.B.2.a Fugitive Emissions, Oil	CO <sub>2</sub>	0.032	0.059	0.000	1.000
117	1.B.2.b Fugitive Emissions, Natural Gas	CO <sub>2</sub>	0.044	0.044	0.000	1.000
118	1.A.5 Other Mobile, Liquid Fuels	N <sub>2</sub> O	0.305	0.034	0.000	1.000
119	1.A.3.c Railways, Liquid Fuels	CH <sub>4</sub>	0.108	0.033	0.000	1.000
120	1.B.2.c Fugitive Emissions, Venting and Flaring	CO <sub>2</sub>	0.160	0.016	0.000	1.000
121	1.A.3.a Domestic Aviation, Liquid fuels	N <sub>2</sub> O	0.005	0.013	0.000	1.000
122	1.A.3.e and 1.A.3.f Other	N <sub>2</sub> O	0.001	0.005	0.000	1.000
123	5.C.1 Waste, Waste Incineration	CH <sub>4</sub>	0.000	0.001	0.000	1.000
124	1.A.5 Other Mobile, Liquid Fuels	CH <sub>4</sub>	0.008	0.001	0.000	1.000
125	1.A.3.e and 1.A.3.f Other	CH <sub>4</sub>	0.000	0.000	0.000	1.000
126	1.A.3.a Domestic Aviation, Liquid fuels	CH <sub>4</sub>	0.000	0.000	0.000	1.000
127	1.B.2.c Fugitive Emissions, Venting and Flaring	N <sub>2</sub> O	0.001	0.000	0.000	1.000
128	1.B.2.a Fugitive Emissions, Oil	CH <sub>4</sub>	0.382	0.000	0.000	1.000

Table 2: Key categories - level assessment (w/o LULUCF)

KC 2022	IPCC Category	GHG	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	L 2022	Cumulative total 2022
1	1.A.3.b Road Transportation, Diesel Oil	CO2	633.416	4395.084	0.281	0.281
2	1.A.1 Energy Industries, Solid Fuels	CO2	6318.267	3025.118	0.194	0.475
3	1.A.3.b Road Transportation, Gasoline	CO2	1299.885	1260.100	0.081	0.556
4	3.A Agriculture, Enteric Fermentation	CH4	1115.650	984.895	0.063	0.619
5	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	CO2	1252.625	982.204	0.063	0.682
6	1.A.4 Other Sectors, Liquid Fuels	CO2	1002.658	763.351	0.049	0.731
7	2.A.1 Industrial processes, Cement Production	CO2	502.219	490.340	0.031	0.762
8	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CO2	1568.579	361.580	0.023	0.785
9	1.A.4 Other Sectors, Gaseous Fuels	CO2	34.343	350.385	0.022	0.808
10	3.D.1 Agriculture, Direct N2O Emissions from Managed Soils	N2O	309.249	278.926	0.018	0.826
11	2.F.1 Industrial processes, Refrigeration and Air Conditioning	HFC	0.000	275.388	0.018	0.843
12	1.A.1 Energy Industries, Gaseous Fuels	CO2	198.898	273.082	0.017	0.861
13	3.B Agriculture, Manure Management	CH4	364.695	251.648	0.016	0.877
14	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CH4	478.753	180.657	0.012	0.888
15	5.A.1 Waste, Managed waste disposal sites	CH4	327.458	176.478	0.011	0.900
16	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CO2	1255.611	133.865	0.009	0.908
17	5.D.1 Waste, Domestic and Commercial Waste Water	CH4	209.100	131.048	0.008	0.917
18	1.A.4 Other Sectors, Biomass	CH4	147.839	105.717	0.007	0.923
19	1.A.2 Manufacturing Industries and Construction, Other Fuels	CO2	7.494	103.610	0.007	0.930
20	2.G.3 Industrial processes, N2O from product use	N2O	70.014	96.948	0.006	0.936
21	3.D.2 Agriculture, Indirect N2O Emissions from Managed Soils	N2O	108.966	90.145	0.006	0.942
22	1.A.1 Energy Industries, Liquid Fuels	CO2	296.067	78.509	0.005	0.947
23	3.B Agriculture, Manure Management	N2O	82.878	68.072	0.004	0.951
24	2.B.6 Industrial processes, Titanium dioxide production	CO2	17.403	52.610	0.003	0.955
25	1.A.3.b Road Transportation, Diesel Oil	CO2	633.416	4395.084	0.281	0.281



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26	2.A.2 Industrial processes, Lime Production	CO2	214.129	51.322	0.003	0.961
27	1.A.3.b Road Transportation, Diesel Oil	N2O	6.054	48.369	0.003	0.965
28	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CO2	123.117	45.719	0.003	0.967
29	1.B.1.a Fugitive Emissions, Other	CO2	0.000	40.964	0.003	0.970
30	1.B.2.b Fugitive Emissions, Natural Gas	CH4	39.305	35.022	0.002	0.972
31	5.D.1 Waste, Domestic and Commercial Waste Water	N2O	34.591	33.036	0.002	0.974
32	2.C.3 Industrial processes, Aluminium Production	CO2	88.822	29.798	0.002	0.976
33	1.A.3.b Road Transportation, LPG	CO2	0.000	29.615	0.002	0.978
34	1.A.4 Other Sectors, Liquid Fuels	N2O	17.352	21.537	0.001	0.980
35	1.A.3.c Railways, Liquid Fuels	CO2	68.926	21.172	0.001	0.981
36	3.G Agriculture, Liming	CO2	44.000	21.047	0.001	0.982
37	1.A.1 Energy Industries, Other Fuels	CO2	0.000	19.947	0.001	0.984
38	2.A.4 Industrial processes, Other process uses of carbonates	CO2	22.942	17.560	0.001	0.985
39	2.G.1 Industrial processes, Electrical Equipment	SF6	10.117	16.846	0.001	0.986
40	1.A.4 Other Sectors, Biomass	N2O	18.899	16.761	0.001	0.987
41	2.A.3 Industrial processes, Glass Production	CO2	4.483	14.900	0.001	0.988
42	5.C.1 Waste, Waste Incineration	CO2	1.995	13.973	0.001	0.989
43	1.A.3.b Road Transportation, Other	CO2	0.094	12.429	0.001	0.989
44	2.B.10 Industrial processes, Other (Hydrogen production)	CO2	16.942	12.195	0.001	0.990
45	5.B.1 Waste, Composting	CH4	0.000	12.157	0.001	0.991
46	1.A.1 Energy Industries, Solid Fuels	N2O	23.290	11.864	0.001	0.992
47	1.A.3.b Road Transportation, CNG	CO2	0.000	11.625	0.001	0.993
48	3.H Agriculture, Urea application	CO2	13.010	11.592	0.001	0.993
49	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	N2O	17.378	11.344	0.001	0.994
50	5.B.1 Waste, Composting	N2O	0.000	6.903	0.000	0.994
51	5.D.2 Waste, Industrial Wastewater	CH4	123.863	6.555	0.000	0.995
52	2.D.3 Industrial processes, Other	CO2	0.000	6.291	0.000	0.995

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KC 2022	IPCC Category	GHG	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	L 2022	Cumulative total 2022
53	1.B.2.c Fugitive Emissions, Venting and Flaring	CH4	7.526	5.831	0.000	0.996
54	2.D.1 Industrial processes, Lubricant use	CO2	3.869	5.647	0.000	0.996
55	2.F.4 Industrial processes, Aerosols	HFC	0.000	5.037	0.000	0.996
56	1.A.5 Other Mobile, Liquid Fuels	CO2	41.093	4.651	0.000	0.997
57	1.A.2 Manufacturing Industries and Construction, Biomass	N2O	6.393	3.960	0.000	0.997
58	1.A.3.b Road Transportation, Gasoline	CH4	20.452	3.932	0.000	0.997
59	2.C.3 Industrial processes, Aluminium Production	PFC	209.630	3.886	0.000	0.997
60	1.A.3.b Road Transportation, Gasoline	N2O	12.828	3.245	0.000	0.998
61	1.A.2 Manufacturing Industries and Construction, Biomass	CH4	4.429	3.140	0.000	0.998
62	2.C.6 Industrial processes, Zinc production	CO2	6.307	3.117	0.000	0.998
63	2.D.2 Industrial processes, Paraffin wax use	CO2	4.267	3.051	0.000	0.998
64	1.A.1 Energy Industries, Biomass	N2O	0.168	2.961	0.000	0.998
65	1.A.3.b Road Transportation, Biomass and other	N2O	0.000	2.935	0.000	0.999
66	1.A.4 Other Sectors, Liquid Fuels	CH4	3.623	2.672	0.000	0.999
67	1.A.1 Energy Industries, Biomass	CH4	0.133	2.349	0.000	0.999
68	1.A.3.c Railways, Liquid Fuels	N2O	7.050	2.165	0.000	0.999
69	1.A.2 Manufacturing Industries and Construction, Other Fuels	N2O	0.089	1.923	0.000	0.999
70	1.A.3.a Domestic Aviation, Liquid fuels	CO2	0.609	1.682	0.000	0.999
71	1.A.2 Manufacturing Industries and Construction, Other Fuels	CH4	0.071	1.524	0.000	0.999
72	2.C.7 Industrial processes, Other - Anode burned off	CO2	0.000	1.211	0.000	0.999
73	2.F.2 Industrial processes, Foam Blowing agents	HFC	0.000	1.170	0.000	1.000
74	1.A.4 Other Sectors, Gaseous Fuels	CH4	0.086	0.868	0.000	1.000
75	1.A.1 Energy Industries, Solid Fuels	CH4	1.641	0.836	0.000	1.000
76	1.A.2 Manufacturing Industries and Construction, Solid Fuels	N2O	4.781	0.515	0.000	1.000
77	1.A.3.e and 1.A.3.f Other	CO2	0.007	0.502	0.000	1.000
78	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	CH4	0.630	0.487	0.000	1.000
79	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	N2O	0.596	0.461	0.000	1.000

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KC 2022	IPCC Category	GHG	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	L 2022	Cumulative total 2022
80	1.A.3.b Road Transportation, Diesel Oil	CH4	1.695	0.419	0.000	1.000
81	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CH4	1.728	0.393	0.000	1.000
82	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CH4	3.368	0.363	0.000	1.000
83	1.A.3.b Road Transportation, CNG	CH4	0.000	0.292	0.000	1.000
84	2.F.3 Industrial processes, Fire Protection	HFC	0.000	0.269	0.000	1.000
85	1.A.3.b Road Transportation, CNG	N2O	0.000	0.267	0.000	1.000
86	1.A.1 Energy Industries, Other Fuels	N2O	0.000	0.231	0.000	1.000
87	1.A.1 Energy Industries, Other Fuels	CH4	0.000	0.183	0.000	1.000
88	1.A.4 Other Sectors, Gaseous Fuels	N2O	0.016	0.164	0.000	1.000
89	1.A.1 Energy Industries, Liquid Fuels	N2O	0.606	0.156	0.000	1.000
90	1.A.1 Energy Industries, Gaseous Fuels	CH4	0.100	0.135	0.000	1.000
91	1.A.1 Energy Industries, Gaseous Fuels	N2O	0.095	0.128	0.000	1.000
92	1.A.3.b Road Transportation, Biomass and other	CH4	0.000	0.123	0.000	1.000
93	1.A.3.b Road Transportation, LPG	N2O	0.000	0.120	0.000	1.000
94	1.A.3.b Road Transportation, LPG	CH4	0.000	0.104	0.000	1.000
95	1.A.1 Energy Industries, Liquid Fuels	CH4	0.321	0.084	0.000	1.000
96	5.C.1 Waste, Waste Incineration	N2O	0.007	0.064	0.000	1.000
97	1.B.2.a Fugitive Emissions, Oil	CO2	0.032	0.059	0.000	1.000
98	1.B.2.b Fugitive Emissions, Natural Gas	CO2	0.044	0.044	0.000	1.000
99	1.A.5 Other Mobile, Liquid Fuels	N2O	0.305	0.034	0.000	1.000
100	1.A.3.c Railways, Liquid Fuels	CH4	0.108	0.033	0.000	1.000
101	1.B.2.c Fugitive Emissions, Venting and Flaring	CO2	0.160	0.016	0.000	1.000
102	1.A.3.a Domestic Aviation, Liquid fuels	N2O	0.005	0.013	0.000	1.000
103	1.A.3.e and 1.A.3.f Other	N2O	0.001	0.005	0.000	1.000
104	5.C.1 Waste, Waste Incineration	CH4	0.000	0.001	0.000	1.000
105	1.A.5 Other Mobile, Liquid Fuels	CH4	0.008	0.001	0.000	1.000
106	1.A.3.b Road Transportation, Diesel Oil	CH4	1.695	0.419	0.000	1.000

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KC 2022	IPCC Category	GHG	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	L 2022	Cumulative total 2022
107	1.A.3.e and 1.A.3.f Other	CH4	0.000	0.000	0.000	1.000
108	1.A.3.a Domestic Aviation, Liquid fuels	CH4	0.000	0.000	0.000	1.000
109	1.B.2.c Fugitive Emissions, Venting and Flaring	N2O	0.001	0.000	0.000	1.000
110	1.B.2.a Fugitive Emissions, Oil	CH4	0.382	0.000	0.000	1.000

Table 3: Key categories - trend assessment (with LULUCF)

KC 2022	IPCC Category	Gas	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	Trend Assessment	Contribution to the trend	Cumulative total
1	1.A.3.b Road Transportation, Diesel Oil	CO2	633.416	4395.084	0.154	0.294	0.294
2	4.A.1 LULUCF, Forest Land remaining Forest Land	CO2	4564.743	105.245	0.114	0.217	0.511
3	1.A.1 Energy Industries, Solid Fuels	CO2	6318.267	3025.118	0.046	0.088	0.599
4	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CO2	1255.611	133.865	0.027	0.052	0.651
5	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CO2	1568.579	361.580	0.027	0.051	0.701
6	1.A.3.b Road Transportation, Gasoline	CO2	1299.885	1260.100	0.015	0.029	0.731
7	1.A.4 Other Sectors, Gaseous Fuels	CO2	34.343	350.385	0.013	0.024	0.755
8	2.F.1 Industrial processes, Refrigeration and Air Conditioning	HFC	0.000	275.388	0.011	0.020	0.775
9	4.C.2 LULUCF, Grassland remaining Grassland	CO2	163.210	376.977	0.010	0.020	0.795
10	4.C.2 LULUCF, Land converted to Grassland	CO2	484.781	61.898	0.010	0.019	0.814
11	3.A Agriculture, Enteric Fermentation	CH4	1115.650	984.895	0.009	0.018	0.832
12	2.A.1 Industrial processes, Cement Production	CO2	502.219	490.340	0.006	0.012	0.844
13	1.A.2 Manufacturing Industries and Construction, Gaseous	CO2	1252.625	982.204	0.006	0.011	0.855
14	1.A.1 Energy Industries, Gaseous Fuels	CO2	198.898	273.082	0.005	0.010	0.865
15	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CH4	478.753	180.657	0.005	0.010	0.875
16	2.C.3 Industrial processes, Aluminium Production	PFC	209.630	3.886	0.005	0.010	0.885
17	1.A.1 Energy Industries, Liquid Fuels	CO2	296.067	78.509	0.005	0.009	0.894
18	2.C.1 Industrial processes, Iron and Steel Production	CO2	245.052	51.325	0.004	0.008	0.902
19	1.A.2 Manufacturing Industries and Construction, Other Fuels	CO2	7.494	103.610	0.004	0.007	0.910
20	1.A.4 Other Sectors, Liquid Fuels	CO2	1002.658	763.351	0.004	0.007	0.917
21	2.A.2 Industrial processes, Lime Production	CO2	214.129	51.322	0.004	0.007	0.924
22	4.A.2 LULUCF, Land converted to Forest Land	CO2	229.914	76.958	0.003	0.006	0.929
23	3.D.1 Agriculture, Direct N2O Emissions from Managed Soils	N2O	309.249	278.926	0.003	0.005	0.935
24	4.B.2 LULUCF, Land converted to Cropland	CO2	195.523	60.745	0.003	0.005	0.940
25	4.E LULUCF, Settlements remaining Settlements	CO2	46.228	98.340	0.003	0.005	0.945

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KC 2022	IPCC Category	Gas	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	Trend Assessment	Contribution to the trend	Cumulative total
26	2.G.3 Industrial processes, N2O from product use	N2O	70.014	96.948	0.002	0.004	0.948
27	1.A.3.b Road Transportation, Diesel Oil	N2O	6.054	48.369	0.002	0.003	0.952
28	5.A.1 Waste, Managed waste disposal sites	CH4	327.458	176.478	0.002	0.003	0.955
29	4.B.1 LULUCF, Cropland remaining Cropland	CO2	64.470	84.354	0.002	0.003	0.958
30	2.B.6 Industrial processes, Titanium dioxide production	CO2	17.403	52.610	0.002	0.003	0.961
31	1.B.1.a Fugitive Emissions, Other	CO2	0.000	40.964	0.002	0.003	0.964
32	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CO2	123.117	45.719	0.001	0.003	0.967
33	4.E LULUCF, Land converted to Settlements	CO2	459.544	276.261	0.001	0.002	0.969
34	1.A.3.b Road Transportation, LPG	CO2	0.000	29.615	0.001	0.002	0.971
35	2.C.3 Industrial processes, Aluminium Production	CO2	88.822	29.798	0.001	0.002	0.973
36	1.A.3.c Railways, Liquid Fuels	CO2	68.926	21.172	0.001	0.002	0.975
37	1.A.5 Other Mobile, Liquid Fuels	CO2	41.093	4.651	0.001	0.002	0.977
38	1.A.1 Energy Industries, Other Fuels	CO2	0.000	19.947	0.001	0.001	0.978
39	3.D.2 Agriculture, Indirect N2O Emissions from Managed Soils	N2O	108.966	90.145	0.001	0.001	0.980
40	4.D LULUCF, Land converted to Wetlands	CO2	39.408	43.592	0.001	0.001	0.981
41	3.B Agriculture, Manure Management	N2O	82.878	68.072	0.000	0.001	0.982
42	5.C.1 Waste, Waste Incineration	CO2	1.995	13.973	0.000	0.001	0.983
43	1.A.3.b Road Transportation, Other	CO2	0.094	12.429	0.000	0.001	0.984
44	5.B.1 Waste, Composting	CH4	0.000	12.157	0.000	0.001	0.985
45	2.A.3 Industrial processes, Glass Production	CO2	4.483	14.900	0.000	0.001	0.985
46	1.A.3.b Road Transportation, CNG	CO2	0.000	11.625	0.000	0.001	0.986
47	4.E LULUCF, Land converted to Settlements	N2O	52.332	22.633	0.000	0.001	0.987
48	2.G.1 Industrial processes, Electrical Equipment	SF6	10.117	16.846	0.000	0.001	0.988
49	5.D.1 Waste, Domestic and Commercial Waste Water	N2O	34.591	33.036	0.000	0.001	0.989
50	1.A.4 Other Sectors, Liquid Fuels	N2O	17.352	21.537	0.000	0.001	0.989
51	1.A.3.b Road Transportation, Gasoline	CH4	20.452	3.932	0.000	0.001	0.990
52	1.B.2.b Fugitive Emissions, Natural Gas	CH4	39.305	35.022	0.000	0.001	0.991

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KC 2022	IPCC Category	Gas	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	Trend Assessment	Contribution to the trend	Cumulative total
53	3.B Agriculture, Manure Management	CH4	364.695	251.648	0.000	0.001	0.991
54	4.A.1 LULUCF, Forest Land remaining Forest Land	CH4	1.034	9.132	0.000	0.001	0.992
55	3.G Agriculture, Liming	CO2	44.000	21.047	0.000	0.001	0.993
56	5.D.1 Waste, Domestic and Commercial Waste Water	CH4	209.100	131.048	0.000	0.001	0.993
57	1.A.4 Other Sectors, Biomass	CH4	147.839	105.717	0.000	0.001	0.994
58	5.B.1 Waste, Composting	N2O	0.000	6.903	0.000	0.001	0.994
59	2.D.3 Industrial processes, Other	CO2	0.000	6.291	0.000	0.000	0.995
60	4.F LULUCF, Other Land	CO2	13.706	3.796	0.000	0.000	0.995
61	1.A.3.b Road Transportation, Gasoline	N2O	12.828	3.245	0.000	0.000	0.995
62	2.F.4 Industrial processes, Aerosols	HFC	0.000	5.037	0.000	0.000	0.996
63	4.A.1 LULUCF, Forest Land remaining Forest Land	N2O	0.541	4.781	0.000	0.000	0.996
64	1.A.4 Other Sectors, Biomass	N2O	18.899	16.761	0.000	0.000	0.996
65	1.A.1 Energy Industries, Solid Fuels	N2O	23.290	11.864	0.000	0.000	0.997
66	2.D.1 Industrial processes, Lubricant use	CO2	3.869	5.647	0.000	0.000	0.997
67	1.A.3.b Road Transportation, Biomass and other	N2O	0.000	2.935	0.000	0.000	0.997
68	3.H Agriculture, Urea application	CO2	13.010	11.592	0.000	0.000	0.997
69	1.A.1 Energy Industries, Biomass	N2O	0.168	2.961	0.000	0.000	0.998
70	1.A.2 Manufacturing Industries and Construction, Solid Fuels	N2O	4.781	0.515	0.000	0.000	0.998
71	1.A.3.c Railways, Liquid Fuels	N2O	7.050	2.165	0.000	0.000	0.998
72	2.A.4 Industrial processes, Other process uses of carbonates	CO2	22.942	17.560	0.000	0.000	0.998
73	1.A.1 Energy Industries, Biomass	CH4	0.133	2.349	0.000	0.000	0.998
74	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CH4	3.368	0.363	0.000	0.000	0.998
75	1.A.2 Manufacturing Industries and Construction, Other Fuels	N2O	0.089	1.923	0.000	0.000	0.999
76	4. LULUCF, Grasland ra+emaining Grasland	N2O	19.811	2.059	0.000	0.000	0.999
77	1.A.2 Manufacturing Industries and Construction, Other Fuels	CH4	0.071	1.524	0.000	0.000	0.999
78	1.A.3.a Domestic Aviation, Liquid fuels	CO2	0.609	1.682	0.000	0.000	0.999
79	2.C.7 Industrial processes, Other - Annode burned off	CO2	0.000	1.211	0.000	0.000	0.999

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KC 2022	IPCC Category	Gas	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	Trend Assessment	Contribution to the trend	Cumulative total
80	2.F.2 Industrial processes, Foam Blowing agents	HFC	0.000	1.170	0.000	0.000	0.999
81	2.C.6 Industrial processes, Zinc production	CO2	6.307	3.117	0.000	0.000	0.999
82	2.B.10 Industrial processes, Other (Hydrogen production)	CO2	16.942	12.195	0.000	0.000	0.999
83	1.B.2.c Fugitive Emissions, Venting and Flaring	CH4	7.526	5.831	0.000	0.000	0.999
84	1.A.4 Other Sectors, Gaseous Fuels	CH4	0.086	0.868	0.000	0.000	0.999
85	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CH4	1.728	0.393	0.000	0.000	0.999
86	1.A.3.b Road Transportation, Diesel Oil	CH4	1.695	0.419	0.000	0.000	1.000
87	4.B.2 LULUCF, Land converted to Cropland	N2O	8.747	6.505	0.000	0.000	1.000
88	1.A.3.e and 1.A.3.f Other	CO2	0.007	0.502	0.000	0.000	1.000
89	4.G LULUCF, Harvested wood products	CO2	457.001	304.866	0.000	0.000	1.000
90	4.C.2 LULUCF, Land converted to Grassland	N2O	0.794	1.060	0.000	0.000	1.000
91	1.A.2 Manufacturing Industries and Construction, Biomass	N2O	6.393	3.960	0.000	0.000	1.000
92	1.A.3.b Road Transportation, CNG	CH4	0.000	0.292	0.000	0.000	1.000
93	2.F.3 Industrial processes, Fire Protection	HFC	0.000	0.269	0.000	0.000	1.000
94	1.A.3.b Road Transportation, CNG	N2O	0.000	0.267	0.000	0.000	1.000
95	1.A.4 Other Sectors, Liquid Fuels	CH4	3.623	2.672	0.000	0.000	1.000
96	1.A.1 Energy Industries, Solid Fuels	CH4	1.641	0.836	0.000	0.000	1.000
97	1.B.2.a Fugitive Emissions, Oil	CH4	0.382	0.000	0.000	0.000	1.000
98	1.A.1 Energy Industries, Liquid Fuels	N2O	0.606	0.156	0.000	0.000	1.000
99	1.A.1 Energy Industries, Other Fuels	N2O	0.000	0.231	0.000	0.000	1.000
100	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	N2O	17.378	11.344	0.000	0.000	1.000
101	2.D.2 Industrial processes, Paraffin wax use	CO2	4.267	3.051	0.000	0.000	1.000
102	1.A.2 Manufacturing Industries and Construction, Biomass	CH4	4.429	3.140	0.000	0.000	1.000
103	1.A.1 Energy Industries, Other Fuels	CH4	0.000	0.183	0.000	0.000	1.000
104	1.A.5 Other Mobile, Liquid Fuels	N2O	0.305	0.034	0.000	0.000	1.000
105	1.A.4 Other Sectors, Gaseous Fuels	N2O	0.016	0.164	0.000	0.000	1.000
106	1.A.1 Energy Industries, Liquid Fuels	CH4	0.321	0.084	0.000	0.000	1.000



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KC 2022	IPCC Category	Gas	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	Trend Assessment	Contribution to the trend	Cumulative total
107	1.A.3.b Road Transportation, Biomass and other	CH4	0.000	0.123	0.000	0.000	1.000
108	1.A.3.b Road Transportation, LPG	N2O	0.000	0.120	0.000	0.000	1.000
109	1.A.3.b Road Transportation, LPG	CH4	0.000	0.104	0.000	0.000	1.000
110	1.B.2.c Fugitive Emissions, Venting and Flaring	CO2	0.160	0.016	0.000	0.000	1.000
111	4.F LULUCF, Other Land	N2O	0.596	0.358	0.000	0.000	1.000
112	1.A.1 Energy Industries, Gaseous Fuels	CH4	0.100	0.135	0.000	0.000	1.000
113	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	CH4	0.630	0.487	0.000	0.000	1.000
114	1.A.1 Energy Industries, Gaseous Fuels	N2O	0.095	0.128	0.000	0.000	1.000
115	1.A.2 Manufacturing Industries and Construction, Gaseous Fuels	N2O	0.596	0.461	0.000	0.000	1.000
116	4.D LULUCF, Land converted to Wetlands	N2O	2.932	2.000	0.000	0.000	1.000
117	1.A.3.c Railways, Liquid Fuels	CH4	0.108	0.033	0.000	0.000	1.000
118	1.B.2.a Fugitive Emissions, Oil	CO2	0.032	0.059	0.000	0.000	1.000
119	1.B.2.b Fugitive Emissions, Natural Gas	CO2	0.044	0.044	0.000	0.000	1.000
120	1.A.3.a Domestic Aviation, Liquid fuels	N2O	0.005	0.013	0.000	0.000	1.000
121	1.A.3.e and 1.A.3.f Other	N2O	0.001	0.005	0.000	0.000	1.000
122	1.A.5 Other Mobile, Liquid Fuels	CH4	0.008	0.001	0.000	0.000	1.000
123	5.C.1 Waste, Waste Incineration	CH4	0.000	0.001	0.000	0.000	1.000
124	5.C.1 Waste, Waste Incineration	N2O	0.000	0.001	0.000	0.000	1.000
125	1.A.3.e and 1.A.3.f Other	CH4	0.000	0.000	0.000	0.000	1.000
126	1.B.2.c Fugitive Emissions, Venting and Flaring	N2O	0.001	0.000	0.000	0.000	1.000
127	5.D.2 Waste, Industrial Wastewater	CH4	0.001	0.000	0.000	0.000	1.000
128	1.A.3.a Domestic Aviation, Liquid fuels	CH4	0.000	0.000	0.000	0.000	1.000

Table 4: Key categories - trend assessment (w/o LULUCF)

KC 2022	IPCC Category	Gas	abs. E in 1986 (Gg CO2 eq)	abs. E in 2022 (Gg CO2 eq)	Trend Assessment	Contribution to the trend	Cumulative total
1	1.A.3.b Road Transportation, Diesel Oil	CO2	633.416	4395.084	0.203	0.359	0.359
2	1.A.1 Energy Industries, Solid Fuels	CO2	6318.267	3025.118	0.112	0.199	0.558
3	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CO2	1568.579	361.580	0.048	0.085	0.644
4	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CO2	1255.611	133.865	0.047	0.083	0.727
5	1.A.4 Other Sectors, Gaseous Fuels	CO2	34.343	350.385	0.017	0.030	0.757
6	2.F.1 Industrial processes, Refrigeration and Air Conditioning	HFC	0.000	275.388	0.014	0.026	0.782
7	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CH4	478.753	180.657	0.011	0.020	0.802
8	1.A.3.b Road Transportation, Gasoline	CO2	1299.885	1260.100	0.010	0.018	0.820
9	2.C.3 Industrial processes, Aluminium Production	PFC	209.630	3.886	0.009	0.016	0.835
10	1.A.1 Energy Industries, Liquid Fuels	CO2	296.067	78.509	0.009	0.015	0.851
11	2.C.1 Industrial processes, Iron and Steel Production	CO2	245.052	51.325	0.008	0.014	0.864
12	2.A.2 Industrial processes, Lime Production	CO2	214.129	51.322	0.006	0.011	0.876
13	1.A.1 Energy Industries, Gaseous Fuels	CO2	198.898	273.082	0.006	0.010	0.886
14	1.A.2 Manufacturing Industries and Construction, Other Fuels	CO2	7.494	103.610	0.005	0.009	0.895
15	5.D.2 Waste, Industrial Wastewater	CH4	123.863	6.555	0.005	0.009	0.904
16	5.A.1 Waste, Managed waste disposal sites	CH4	327.458	176.478	0.005	0.008	0.912
17	2.A.1 Industrial processes, Cement Production	CO2	502.219	490.340	0.004	0.007	0.920
18	3.A Agriculture, Enteric Fermentation	CH4	1115.650	984.895	0.004	0.007	0.926
19	1.A.4 Other Sectors, Liquid Fuels	CO2	1002.658	763.351	0.003	0.005	0.932
20	1.B.1.a Fugitive Emissions, Coal Mining and Handling	CO2	123.117	45.719	0.003	0.005	0.937
21	3.B Agriculture, Manure Management	CH4	364.695	251.648	0.002	0.004	0.941
22	1.A.3.b Road Transportation, Diesel Oil	N2O	6.054	48.369	0.002	0.004	0.945
23	2.C.3 Industrial processes, Aluminium Production	CO2	88.822	29.798	0.002	0.004	0.949
24	1.A.2 Manufacturing Industries and Construction, Gaseous	CO2	1252.625	982.204	0.002	0.004	0.953
25	1.B.1.a Fugitive Emissions, Other	CO2	0.000	40.964	0.002	0.004	0.957

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26	5.D.1 Waste, Domestic and Commercial Waste Water	CH4	209.100	131.048	0.002	0.004	0.961
27	2.G.3 Industrial processes, N2O from product use	N2O	70.014	96.948	0.002	0.004	0.964
28	2.B.6 Industrial processes, Titanium dioxide production	CO2	17.403	52.610	0.002	0.004	0.968
29	1.A.3.c Railways, Liquid Fuels	CO2	68.926	21.172	0.002	0.003	0.971
30	1.A.3.b Road Transportation, LPG	CO2	0.000	29.615	0.002	0.003	0.974
31	1.A.5 Other Mobile, Liquid Fuels	CO2	41.093	4.651	0.002	0.003	0.977
32	3.D.1 Agriculture, Direct N2O Emissions from Managed Soils	N2O	309.249	278.926	0.001	0.002	0.979
33	1.A.1 Energy Industries, Other Fuels	CO2	0.000	19.947	0.001	0.002	0.981
34	1.A.4 Other Sectors, Biomass	CH4	147.839	105.717	0.001	0.001	0.982
35	3.G Agriculture, Liming	CO2	44.000	21.047	0.001	0.001	0.984
36	1.A.3.b Road Transportation, Gasoline	CH4	20.452	3.932	0.001	0.001	0.985
37	1.A.3.b Road Transportation, Other	CO2	0.094	12.429	0.001	0.001	0.986
38	5.C.1 Waste, Waste Incineration	CO2	1.995	13.973	0.001	0.001	0.987
39	5.B.1 Waste, Composting	CH4	0.000	12.157	0.001	0.001	0.988
40	1.A.3.b Road Transportation, CNG	CO2	0.000	11.625	0.001	0.001	0.989
41	2.A.3 Industrial processes, Glass Production	CO2	4.483	14.900	0.001	0.001	0.990
42	2.G.1 Industrial processes, Electrical Equipment	SF6	10.117	16.846	0.000	0.001	0.991
43	1.A.4 Other Sectors, Liquid Fuels	N2O	17.352	21.537	0.000	0.001	0.992
44	1.A.3.b Road Transportation, Gasoline	N2O	12.828	3.245	0.000	0.001	0.993
45	1.A.1 Energy Industries, Solid Fuels	N2O	23.290	11.864	0.000	0.001	0.993
46	5.B.1 Waste, Composting	N2O	0.000	6.903	0.000	0.001	0.994
47	2.D.3 Industrial processes, Other	CO2	0.000	6.291	0.000	0.001	0.994
48	2.F.4 Industrial processes, Aerosols	HFC	0.000	5.037	0.000	0.000	0.995
49	5.D.1 Waste, Domestic and Commercial Waste Water	N2O	34.591	33.036	0.000	0.000	0.995
50	1.A.3.c Railways, Liquid Fuels	N2O	7.050	2.165	0.000	0.000	0.996
51	1.A.2 Manufacturing Industries and Construction, Solid Fuels	N2O	4.781	0.515	0.000	0.000	0.996

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52	1.A.3.b Road Transportation, Biomass and other	N2O	0.000	2.935	0.000	0.000	0.996
53	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	N2O	17.378	11.344	0.000	0.000	0.996
54	1.B.2.b Fugitive Emissions, Natural Gas	CH4	39.305	35.022	0.000	0.000	0.997
55	1.A.1 Energy Industries, Biomass	N2O	0.168	2.961	0.000	0.000	0.997
56	2.D.1 Industrial processes, Lubricant use	CO2	3.869	5.647	0.000	0.000	0.997
57	1.A.2 Manufacturing Industries and Construction, Solid Fuels	CH4	3.368	0.363	0.000	0.000	0.997
58	1.A.1 Energy Industries, Biomass	CH4	0.133	2.349	0.000	0.000	0.998
59	2.C.6 Industrial processes, Zinc production	CO2	6.307	3.117	0.000	0.000	0.998
60	1.A.2 Manufacturing Industries and Construction, Other Fuels	N2O	0.089	1.923	0.000	0.000	0.998
61	2.B.10 Industrial processes, Other (Hydrogen production)	CO2	16.942	12.195	0.000	0.000	0.998
62	1.A.2 Manufacturing Industries and Construction, Other Fuels	CH4	0.071	1.524	0.000	0.000	0.998
63	1.A.4 Other Sectors, Biomass	N2O	18.899	16.761	0.000	0.000	0.998
64	1.A.2 Manufacturing Industries and Construction, Biomass	N2O	6.393	3.960	0.000	0.000	0.999
65	2.A.4 Industrial processes, Other process uses of carbonates	CO2	22.942	17.560	0.000	0.000	0.999
66	2.C.7 Industrial processes, Other - Anode burned off	CO2	0.000	1.211	0.000	0.000	0.999
67	1.A.3.a Domestic Aviation, Liquid fuels	CO2	0.609	1.682	0.000	0.000	0.999
68	2.F.2 Industrial processes, Foam Blowing agents	HFC	0.000	1.170	0.000	0.000	0.999
69	1.A.2 Manufacturing Industries and Construction, Liquid Fuels	CH4	1.728	0.393	0.000	0.000	0.999
70	3.D.2 Agriculture, Indirect N2O Emissions from Managed Soils	N2O	108.966	90.145	0.000	0.000	0.999
71	1.A.3.b Road Transportation, Diesel Oil	CH4	1.695	0.419	0.000	0.000	0.999
72	3.H Agriculture, Urea application	CO2	13.010	11.592	0.000	0.000	0.999
73	1.A.4 Other Sectors, Gaseous Fuels	CH4	0.086	0.868	0.000	0.000	0.999
74	1.A.1 Energy Industries, Solid Fuels	CH4	1.641	0.836	0.000	0.000	0.999
75	1.A.3.e and 1.A.3.f Other	CO2	0.007	0.502	0.000	0.000	1.000
76	1.A.2 Manufacturing Industries and Construction, Biomass	CH4	4.429	3.140	0.000	0.000	1.000
77	2.D.2 Industrial processes, Paraffin wax use	CO2	4.267	3.051	0.000	0.000	1.000

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78	1.A.1 Energy Industries, Liquid Fuels	N2O	0.606	0.156	0.000	0.000	1.000
79	1.B.2.c Fugitive Emissions, Venting and Flaring	CH4	7.526	5.831	0.000	0.000	1.000
80	1.B.2.a Fugitive Emissions, Oil	CH4	0.382	0.000	0.000	0.000	1.000
81	1.A.4 Other Sectors, Liquid Fuels	CH4	3.623	2.672	0.000	0.000	1.000
82	1.A.3.b Road Transportation, CNG	CH4	0.000	0.292	0.000	0.000	1.000
83	2.F.3 Industrial processes, Fire Protection	HFC	0.000	0.269	0.000	0.000	1.000
84	1.A.3.b Road Transportation, CNG	N2O	0.000	0.267	0.000	0.000	1.000
85	3.B Agriculture, Manure Management	N2O	82.878	68.072	0.000	0.000	1.000
86	1.A.1 Energy Industries, Other Fuels	N2O	0.000	0.231	0.000	0.000	1.000
87	1.A.5 Other Mobile, Liquid Fuels	N2O	0.305	0.034	0.000	0.000	1.000
88	1.A.1 Energy Industries, Other Fuels	CH4	0.000	0.183	0.000	0.000	1.000
89	1.A.1 Energy Industries, Liquid Fuels	CH4	0.321	0.084	0.000	0.000	1.000
90	1.A.4 Other Sectors, Gaseous Fuels	N2O	0.016	0.164	0.000	0.000	1.000
91	1.A.3.b Road Transportation, Biomass and other	CH4	0.000	0.123	0.000	0.000	1.000
92	1.A.3.b Road Transportation, LPG	N2O	0.000	0.120	0.000	0.000	1.000
93	1.B.2.c Fugitive Emissions, Venting and Flaring	CO2	0.160	0.016	0.000	0.000	1.000
94	1.A.3.b Road Transportation, LPG	CH4	0.000	0.104	0.000	0.000	1.000
95	5.C.1 Waste, Waste Incineration	N2O	0.007	0.064	0.000	0.000	1.000
96	1.A.3.c Railways, Liquid Fuels	CH4	0.108	0.033	0.000	0.000	1.000
97	1.A.1 Energy Industries, Gaseous Fuels	CH4	0.100	0.135	0.000	0.000	1.000
98	1.A.1 Energy Industries, Gaseous Fuels	N2O	0.095	0.128	0.000	0.000	1.000
99	1.B.2.a Fugitive Emissions, Oil	CO2	0.032	0.059	0.000	0.000	1.000
100	1.A.2 Manufacturing Industries and Construction, Gaseous	CH4	0.630	0.487	0.000	0.000	1.000
101	1.A.3.c Railways, Liquid Fuels	CH4	0.108	0.032	0.000	0.000	1.000
102	5.C.1 Waste, Waste Incineration	N2O	0.007	0.053	0.000	0.000	1.000
103	1.B.2.a Fugitive Emissions, Oil	CO2	0.032	0.061	0.000	0.000	1.000

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104	1.A.5 Other Mobile, Liquid Fuels	CH4	0.008	0.001	0.000	0.000	1.000
105	1.A.3.e and 1.A.3.f Other	N2O	0.001	0.005	0.000	0.000	1.000
106	5.C.1 Waste, Waste Incineration	CH4	0.000	0.001	0.000	0.000	1.000
107	1.B.2.c Fugitive Emissions, Venting and Flaring	N2O	0.001	0.000	0.000	0.000	1.000
108	1.A.3.e and 1.A.3.f Other	CH4	0.000	0.000	0.000	0.000	1.000
109	1.A.3.e and 1.A.3.f Other	CH4	0.000	0.000	0.000	0.000	1.000
110	1.A.3.a Domestic Aviation, Liquid fuels	CH4	0.000	0.000	0.000	0.000	1.000