Appendix 2.1 - Reporting of PM emissions

The condensable fraction of particulate matter (PM_{2.5}) is documented for all activities in the emissions database. A documentation entry has been created for each time series, indicating the following options for condensable particulate matter:

- Yes (measured/determined), the condensable fraction of PM_{2.5} was measured and is included in the emission values
- No, the condensable fraction has not been determined and is not included in the emission values
- NA (no condensable PM_{2.5} is generated in the process)
- Unknown, the condensable fraction for PM_{2.5} is unknown and could be zero

Below is an excerpt from the database, showing the aforementioned documentation entries by source category.



NFR categories with no reported activity or $\mathrm{PM}_{2.5}$ emissions are excluded here

NFR Source Category		Yes	Not Applicable	No			
		(measured/determined)	(no condensable PM _{2.5} are generated in the process)	(potentially possible)	Unknown	Number of document entries	
	Energy						
1 A 1 a i	Electricity Generation	-	-	113	-	-	113
1 A 1 a iii	Heat Plants	-	-	38	-	-	38
1 A 1 b	Petroleum Refining	-	-	31	-	-	31
1 A 1 c i	Manufacture of Solid Fuels	-	-	34	-	-	34
1 A 1 c iii	Other Energy Industries	-	-	3	-	-	3
1 A 1 c iv	Other Manufacture of Solid Fuels and Other Energy Industries	-	-	13	-	-	13
1 A 2 a	Iron and Steel	-	-	21	-	-	21
1 A 2 g vii	Off-road Vehicles and Other Machinery	4	-	-	-	-	4
1 A 2 g viii	Other	-	-	104	-	-	104
1 A 3 a i (i)	International Aviation LTO (civil)	-	-	-	2	-	2
1 A 3 a i (ii)	International Aviation Cruise (civil)	-	-	-	2	-	2
1 A 3 a ii (i)	Domestic Aviation LTO (civil)	-	-	-	2	-	2
1 A 3 a ii (ii)	Domestic Aviation Cruise (civil)	-	-	-	2	-	2
1 A 3 b i	Road Transport: Passenger Cars	154	-	-	-	-	154
1 A 3 b ii	Road Transport: Light duty vehicles	138	-	-	-	-	138
1 A 3 b iii	Road Transport: Heavy duty vehicles and buses	136	-	-	-	-	136

1 A 3 b iv	Road Transport: Mopeds and Motorcycles	56	-	-	-	-	56
1 A 3 b vi	Road Transport: Automobile tyre and brake wear	-	12	-	-	-	12
1 A 3 b vii	Road Transport: Automobile road abrasion	-	6	-	-	-	6
1 A 3 c	Rail Transport	11	-	1	-	-	12
1 A 3 d i (i)	International Maritime Navigation	-	-	-	3	-	3
u II	National Navigation (shipping)	8	-	1	1	-	10
1 A 3 e i	Pipeline Transport	-	-	3	-	-	3
1 A 4 a i	Commercial/Institutional: Stationary	-	-	29	-	-	29
1 A 4 a ii	Commercial/Institutional: Mobile	3	-	-	-	-	3
1 A 4 b i	Residential: Stationary	-	-	15	-	-	15
1 A 4 b ii	Residential: Household and Gardening (mobile)	-	-	4	4	-	8
CI	Agriculture/Forestry/Fishing: Stationary	-	-	16	-	-	16
c ii	Agriculture/Forestry/Fishing: Off-road Vehicles and other Machinery	6	-	-	-	-	6
c iii	Agriculture/Forestry/Fishing: National Fishing	-	-	-	4	-	4
1 A 5 a	Other Stationary (including military)	-	-	10	-	-	10
1 A 5 b	Other Mobile (including military, land based and recreational boats)	-	-	9	1	-	10
1 B 1 a 2 i	Mining Activities	-	1	-	-	-	1
1 B 1 b	Solid Fuel Transformation	-	6	2	-	-	8
C 2 II	Gas	-	-	1	-	-	1
	- IPPU						
	Cement Production	-	-	1	-	-	1
	Lime Production	-	-	-	2	-	2
	Glass Production	6	-	-	-	-	6
а	Ceramics	-	-	-	15	-	15
a	Quarrying and Mining of Minerals other than Coal	-	4	-	-	-	4
2 A 5 b	Construction and Demolition	-	5	-	-	-	5
D	Calcium Carbide	-	-	-	1	-	1
	Carbon Black	-	-	-	1	-	1
	Chemical Industry: Other	-	-	-	1	-	1
2 C 1 a	Steel	-	-	-	4	-	4
D	Pig Iron	-	-	-	1	-	1
2 C 1					1		1
d	Sinter	-	-	-			\sqcup
2 C 1 f	Other Iron and Steel Production Ferroalloys Production	-	-	-	1	-	1

	Г	I	I	ı	1				
2 C 3 a	By-Product Emissions	-	-	-	2	-	2		
2 C 5	Lead Production	-	-	-	2	-	2		
2 C 6	Zinc Production	-	-	-	2	-	2		
2 C 7 a	Copper Production	-	-	-	2	-	2		
2 C 7	Other Metal Production	-	-	-	1	-	1		
2 D 3 b	Road Paving with Asphalt	-	-	-	1	-	1		
2 G 4	Further Product Manufacture and Use	3	-	-	1	-	4		
2 H 1	Pulp and Paper Industry	-	-	2	-	-	2		
2 H 2	Food and Beverages Industry	-	-	-	2	-	2		
2	Wood Processing	-	1	-	-	-	1		
2 L	Handling of Bulk Products	-	1	-	89	-	90		
NFR 3 - Agriculture									
3 B 1	Dairy Cattle	-	1	-	-	-	1		
3 B 1	Non-dairy Cattle	-	6	-	-	-	6		
3 B 2	Sheep	-	1	-	-	-	1		
3 B 3	Swine	-	4	-	-	-	4		
3 B 4	Deer	-	1	-	-	-	1		
3 B 4	Goats	-	1	-	-	-	1		
3 B 4 e	Horses	-	1	-	-	-	1		
3 B 4 g i	Laying Hens	-	1	-	-	-	1		
3 B 4 g ii	Broilers	-	1	-	-	-	1		
3 B 4 g iii	Turkeys	-	1	-	-	-	1		
3 B 4 g iv	Other Poultry	-	3	-	-	-	3		
3 B 4 h	Other Animals	-	3	-	-	-	3		
	Farm-level Agricultural Operations incl. Storage, Handling and Transport of Agri. Products	-	1	-	-	-	1		
NFR 5	- Waste								
5 A 1	Managed Waste Disposal Sites	-	1	-	-	-	1		
5 C 1 a ii 5	Other Waste	-	-	1	-	-	1		
5 C 2 a ii	Other Biogenic Waste	-	-	-	1	-	1		
5 E	Other Waste	-	-	-	6	-	6		
NFR 11 - Natural Sources									
11 B Forest Fires - - 1 - 1									
SUM		525	62	452	159	1.198			
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