

Recalculations - Chromium (Cr)

The negligibly small changes within the **1990 National Total (-0.001 t or -0.001 %)** are dominated by **revisions in NFRs 1.A.2.g vii, 1.A.4.c ii and 5.E** together with some less significant changes throughout NFRs 1 and 2.

Here, the strongest percental change occurs in NFR **1.A.3.a i(i) with minus 62 %**.

Table 1: Changes in emission estimates for 1990

f<image Cr_1990.png size="medium"		Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector		[t]		relative		see description and reasoning in:
NATIONAL TOTAL		165,692	165,690	-0,001	-0,001%	sub-category chapters
NFR 1 - Energy		122,2858	122,2860	0,0002	0,0001%	sub-category chapters
1.A.2.g vii		0,010	0,007	-0,003	-28,8%	here
1.A.3.a i(i)		0,0000025	0,0000009	-0,0000015	-62,4%	here
1.A.3.a ii(i)		0,0000355	0,0000382	0,0000027	7,61%	here
1.A.3.c		27,6524	27,6526	0,0002	0,001%	here
1.A.4.a ii		0,0016	0,0014	-0,0002	-12,7%	here
1.A.4.c ii		0,039	0,042	0,003	7,74%	here
NFR 2 - IPPU		43,3769	43,3769	0,0001	0,0002%	sub-category chapters
2.G		0,6744	0,6745	0,0001	0,01%	here
NFR 3 - Agriculture		0,00	0,00	0,00		
NFR 5 - Waste		0,029	0,027	-0,002	-5,96%	sub-category chapters
5.E		0,029	0,027	-0,002	-5,96%	here
NFR 6 - Other		0,00	0,00	0,00		

The changes in the **National Total** reported for **2020 (+1.34 t and +2 %)** are dominated by a revision in **NFR 1.A.3.c with plus 1.5 t** where annual mileage and, hence, abrasive emissions were revised for 2020.

The significant percental change occurring in NFR 1.A.3.b iii results from a data error that will be corrected with the next annual submission.

Table 2: Changes of emission estimates for 2020

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]		relative		see description and reasoning in:
NATIONAL TOTAL	68,17	69,98	1,82	2,66%	sub-category chapters
NFR 1 - Energy	49,56	51,36	1,80	3,63%	sub-category chapters
1.A.1.a	3,83	3,84	0,01	0,30%	here
1.A.1.b	1,25	1,31	0,06	5,20%	here
1.A.1.c	0,0409	0,0444	0,0035	8,58%	here
1.A.2.a	NE	NE	#WERT!	#WERT!	here
1.A.2.b	IE	IE	#WERT!	#WERT!	here
1.A.2.c	IE	IE	#WERT!	#WERT!	here
1.A.2.d	IE	IE	#WERT!	#WERT!	here
1.A.2.e	NE	NE	#WERT!	#WERT!	here
1.A.2.f	IE	IE	#WERT!	#WERT!	here
1.A.2.g vii	0,010	0,007	-0,003	-33,0%	here
1.A.2.g viii	0,23	0,22	-0,01	-5,55%	here
1.A.3.a i(i)	0,00000037	0,00000035	-0,00000002	-5,24%	here
1.A.3.a ii(i)	0,000004623	0,000004627	0,000000003	0,07%	here
1.A.3.b i	0,208	0,206	-0,002	-1,08%	here
1.A.3.b ii	0,0353	0,0347	-0,0007	-1,88%	here
1.A.3.b iii	0,05	0,12	0,07	130%	here
1.A.3.b iv	0,00252	0,00255	0,00003	1,02%	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	68,17	69,98	1,82	2,66%	sub-category chapters
NFR 1 - Energy	49,56	51,36	1,80	3,63%	sub-category chapters
1.A.3.b v	NA	NA	#WERT!	#WERT!	here
1.A.3.b vi	16,46	16,48	0,02	0,15%	here
1.A.3.b vii	1,0181	1,0184	0,0003	0,03%	here
1.A.3.c	20,90	22,48	1,59	7,60%	here
1.A.3.d i(ii)	IE	IE	#WERT!	#WERT!	
1.A.3.d ii	0,029	0,031	0,002	6,10%	here
1.A.3.e i	NA	NA	#WERT!	#WERT!	1.A.3.e i - Pipeline Transport]
1.A.3.e ii	NA				1.A.3.e ii - Other Transport: Other]
1.A.4.a i	2,15	2,20	0,05	2,14%	here
1.A.4.a ii	0,00121				here
1.A.4.b i	3,22116	3,22117	0,00001	0,0003%	here
1.A.4.b ii	0,0067	0,0070	0,0003	4,60%	here
1.A.4.c i	0,0780	0,0783	0,0002	0,27%	here
1.A.4.c ii	0,04	0,05	0,01	30,76%	here
1.A.4.c iii	0,0003085	0,0003085	0,0000000	0,00%	here
1.A.5.a	NE	NE	#WERT!	#WERT!	here
1.A.5.b	0,00045806	0,00045811	0,00000005	0,01%	here
1.B.1.a	NA	NA	#WERT!	#WERT!	here
1.B.1.b	NA	NA	#WERT!	#WERT!	here
1.B.1.c	NA	NA	#WERT!	#WERT!	here
1.B.2.a i	NA	NA	#WERT!	#WERT!	
1.B.2.a iv	NA	NA	#WERT!	#WERT!	
1.B.2.a v	NA	NA	#WERT!	#WERT!	
1.B.2.b	NA	NA	#WERT!	#WERT!	
1.B.2.c	NA	NA	#WERT!	#WERT!	
1.B.2.d	NA	NA	#WERT!	#WERT!	
NFR 2 - IPPU	18,58006	18,59597	0,01590	0,09%	sub-category chapters
2.A.1	NE	NE	#WERT!	#WERT!	here
2.A.2	NA	NA	#WERT!	#WERT!	here
2.A.3	0,09895	0,09901	0,00007	0,07%	here
2.A.5.a	NA	NA	#WERT!	#WERT!	here
2.A.5.b	NA	NA	#WERT!	#WERT!	here
2.A.5.c	NA	NA	#WERT!	#WERT!	here
2.A.6	NA	NA	#WERT!	#WERT!	here
2.B.1	NA	NA	#WERT!	#WERT!	here
2.B.2	NA	NA	#WERT!	#WERT!	here
2.B.3	NA	NA	#WERT!	#WERT!	here
2.B.5	NA	NA	#WERT!	#WERT!	here
2.B.6	NA	NA	#WERT!	#WERT!	here
2.B.7	NA	NA	#WERT!	#WERT!	here
2.B.10.a	NA	NA	#WERT!	#WERT!	here
2.B.10.b	NA	NA	#WERT!	#WERT!	here
2.C.1	17,6389447	17,6389447	0,0000000	0,00%	here
2.C.2	NE	NE	#WERT!	#WERT!	here
2.C.3	NE	NE	#WERT!	#WERT!	here
2.C.4	NA	NA	#WERT!	#WERT!	here
2.C.5	NA	NA	#WERT!	#WERT!	here
2.C.6	NA	NA	#WERT!	#WERT!	here
2.C.7.a	NA	NA	#WERT!	#WERT!	here
2.C.7.b	NO	NO	#WERT!	#WERT!	here
2.C.7.c	NA	NA	#WERT!	#WERT!	here
2.C.7.d	NA	NA	#WERT!	#WERT!	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	68,17	69,98	1,82	2,66%	sub-category chapters
NFR 1 - Energy	49,56	51,36	1,80	3,63%	sub-category chapters
2.D.3.a	NA	NA	#WERT!	#WERT!	here
2.D.3.b	NA	NA	#WERT!	#WERT!	here
2.D.3.c	NA	NA	#WERT!	#WERT!	here
2.D.3.d	NA	NA	#WERT!	#WERT!	here
2.D.3.e	NA	NA	#WERT!	#WERT!	here
2.D.3.f	NA	NA	#WERT!	#WERT!	here
2.D.3.g	0,0015889	0,0015889	0,0000000	0,00%	here
2.D.3.h	NA	NA	#WERT!	#WERT!	here
2.D.3.i	NA	NA	#WERT!	#WERT!	here
2.G	0,840583	0,856420	0,015837	1,88%	here
2.H.1	NA	NA	#WERT!	#WERT!	here
2.H.2	NA	NA	#WERT!	#WERT!	here
2.H.3	NA	NA	#WERT!	#WERT!	here
2.I	NA	NA	#WERT!	#WERT!	here
2.J	NO	NO	#WERT!	#WERT!	here
2.K	NA	NA	#WERT!	#WERT!	here
2.L	NA	NA	#WERT!	#WERT!	here
NFR 3 - Agriculture	0,0000000	0,0000000	0,0000000	#DIV/0!	sub-category chapters
3.B.1.a	NA	NA	#WERT!	#WERT!	here
3.B.1.b	NA	NA	#WERT!	#WERT!	here
3.B.2	NA	NA	#WERT!	#WERT!	here
3.B.3	NA	NA	#WERT!	#WERT!	here
3.B.4.a	NA	NA	#WERT!	#WERT!	here
3.B.4.d	NA	NA	#WERT!	#WERT!	here
3.B.4.e	NA	NA	#WERT!	#WERT!	here
3.B.4.f	NA	NA	#WERT!	#WERT!	here
3.B.4.g i	NA	NA	#WERT!	#WERT!	here
3.B.4.g ii	NA	NA	#WERT!	#WERT!	here
3.B.4.g iii	NA	NA	#WERT!	#WERT!	here
3.B.4.g iv	NA	NA	#WERT!	#WERT!	here
3.B.4.h	NA	NA	#WERT!	#WERT!	here
3.D.a.1	NA	NA	#WERT!	#WERT!	here
3.D.a.2.a	NA	NA	#WERT!	#WERT!	here
3.D.a.2.b	NA	NA	#WERT!	#WERT!	here
3.D.a.2.c	NA	NA	#WERT!	#WERT!	here
3.D.a.3	NA	NA	#WERT!	#WERT!	here
3.D.a.4	NA	NA	#WERT!	#WERT!	here
3.D.b	NA	NA	#WERT!	#WERT!	here
3.D.c	NA	NA	#WERT!	#WERT!	here
3.D.d	NA	NA	#WERT!	#WERT!	here
3.D.e	NA	NA	#WERT!	#WERT!	here
3.D.f	NA	NA	#WERT!	#WERT!	here
3.F	NO	NO	#WERT!	#WERT!	
3.I	NA	NA	#WERT!	#WERT!	here
NFR 5 - Waste	0,030	0,028	-0,002	-5,81%	sub-category chapters
5.A	NA	NA	#WERT!	#WERT!	here
5.B.1	NA	NA	#WERT!	#WERT!	here
5.B.2	NA	NA	#WERT!	#WERT!	here
5.C.1.a	NO	NO	#WERT!	#WERT!	
5.C.1.b i	NO	NO	#WERT!	#WERT!	
5.C.1.b ii	NO	NO	#WERT!	#WERT!	
5.C.1.b iii	NO	NO	#WERT!	#WERT!	

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NATIONAL TOTAL	68,17	69,98	1,82	2,66%	sub-category chapters
NFR 1 - Energy	49,56	51,36	1,80	3,63%	sub-category chapters
5.C.1.b iv	NO	NO	#WERT!	#WERT!	
5.C.1.b v	NE	NE	#WERT!	#WERT!	here
5.C.1.b vi	NA	NA	#WERT!	#WERT!	
5.C.2	NE	NE	#WERT!	#WERT!	here
5.D.1	NA	NA	#WERT!	#WERT!	here
5.D.2	NA	NA	#WERT!	#WERT!	here
5.D.3	NO	NO	#WERT!	#WERT!	
5.E	0,030	0,028	-0,002	-5,81%	here
NFR 6 - Other	0,0000000	0,0000000	0,0000000	#DIV/0!	