

pollutant-specific data:																									
	NOx	NMVOc	SOx	NH3	PM2.5	PM10	TSP	BC	CO	Pb	Cd	Hg	As	Cr	Cu	Ni	Se	Zn	PCDD/F	B[a]P	B[b]F	B[k]F	l[x]P	PAH1-4	HCB

Recalculations - Copper (Cu)

With the marginal changes in NFRs **1.A.2.g vii**, **1.A.4.a ii** and **1.A.4.c ii** canceling each other out, the fundamental changes within the **National Total** reported for **1990 (+185 t or +30 %)** result entirely from a revision in **NFR 1.A.3.b vi**, also resembling the strongest percental change with **+69 %**.

Table 1: Changes of emission estimates for 1990

NFR Sector	Submission 2025	Submission 2026	Difference		Reasoning
	[t]		absolute	relative	
NATIONAL TOTAL	619.88	804.80	184.92	29.83%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	538.01	722.93	184.92	34.37%	sub-category chapters
1.A.2.g vii	0.0045599	0.0045603	0.0000003	0.01%	here
1.A.3.b vi	269.69	454.60	184.92	68.57%	here
1.A.4.a ii	0.0008884	0.0008881	-0.0000002	-0.03%	here
1.A.4.c ii	1.11506	1.11498	-0.00008	-0.01%	here
NFR 2 - IPPU	3.52	3.52	0.00	0.00%	
NFR 3 - Agriculture		NA			
NFR 5 - Waste	0.03	0.03	0.00	0.00%	
NFR 6 - Other		NA			

The changes within the **National Total** reported for **2022 (-2.89 t or -4.14 %)** are dominated by a revision in NFR sub-category **1.A.3.c with -3.30 t** together with a variety of revisions throughout NFRs 1, 2 and 5.

However, the most significant percental change occurs in **NFR 1.A.1.b with plus 19.3 %**.

Table 2: Changes of emission estimates for 2023

NFR Sector	Submission 2025	Submission 2026	Difference		Reasoning
	[t]		absolute	relative	
NATIONAL TOTAL	584,30	782,79	198,49	33,97%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	517,19	715,55	198,35	38,35%	sub-category chapters
1.A.1.a	5,526	5,532	0,006	0,11%	here
1.A.1.b	4,38	4,43	0,06	1,31%	here
1.A.1.c	0,05	0,06	0,01	13,58%	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	0,004	0,005	0,001	27,51%	here
1.A.2.g viii	0,26	0,23	-0,03	-11,27%	here
1.A.3.a i(i)	0,000000044	0,000000045	0,000000001	2,34%	here
1.A.3.a ii(i)	0,00000223	0,00000228	0,00000005	2,34%	here
1.A.3.b i	0,1489	0,1487	-0,0002	-0,16%	here
1.A.3.b ii	0,02357	0,02333	-0,00024	-1,02%	here
1.A.3.b iii	0,073	0,072	-0,001	-0,79%	here
1.A.3.b iv	0,00171	0,00170	-0,00001	-0,84%	here
1.A.3.b v	NA	NA	#WERT!	#WERT!	here
1.A.3.b vi	393,06	591,83	198,77	50,57%	here

	Submission 2025	Submission 2026	Difference		Reasoning
NFR Sector	[t]		relative	see description and reasoning in:	
NATIONAL TOTAL	584,30	782,79	198,49	33,97%	sub-category chapters
NFR 1 - Energy	517,19	715,55	198,35	38,35%	sub-category chapters
1.A.3.b vii	0,037	0,035	-0,002	-6,33%	here
1.A.3.c	107,38	107,38	0,000	0,00%	here
1.A.3.d i(ii)	IE	IE	#WERT!	#WERT!	
1.A.3.d ii	0,56	0,54	-0,02	-3,10%	here
1.A.3.e i	NA	NA	#WERT!	#WERT!	1.A.3.e i - Pipeline Transport]
1.A.3.e ii	NA	NA	#WERT!	#WERT!	1.A.3.e ii - Other Transport: Other]
1.A.4.a i	2,03	1,88	-0,15	-7,41%	here
1.A.4.a ii	0,0006	0,0008	0,0002	38,53%	here
1.A.4.b i	2,24	2,23	-0,01	-0,36%	here
1.A.4.b ii	0,23	0,22	-0,01	-4,72%	here
1.A.4.c i	0,083	0,083	0,000	0,00%	here
1.A.4.c ii	1,11	0,84	-0,27	-24,58%	here
1.A.4.c iii	0,0046185	0,0046185	0,000	0,00%	here
1.A.5.a	NE	NE	#WERT!	#WERT!	here
1.A.5.b	0,003032	0,003028	-0,000004	-0,14%	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	67,02497	67,16360	0,13863	0,21%	sub-category chapters
2.A.1	NE	NE	#WERT!	#WERT!	here
2.A.2	NA	NA	#WERT!	#WERT!	here
2.A.3	0,05693	0,05676	-0,00018	-0,31%	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	NE	NE	#WERT!	#WERT!	here
2.C.2	NA	NA	#WERT!	#WERT!	here
2.C.3	0,0040219	0,0040219	0,000	0,00%	here
2.C.4	NA	NA	#WERT!	#WERT!	here
2.C.5	0,0132012	0,0132012	0,000	0,00%	here
2.C.6	NA	NA	#WERT!	#WERT!	here
2.C.7.a	16,4422847	16,4422847	0,000	0,00%	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
2.D.3.a	NA	NA	#WERT!	#WERT!	here
2.D.3.b	NA	NA	#WERT!	#WERT!	here

	Submission 2025	Submission 2026	Difference		Reasoning
NFR Sector	[t]		relative	see description and reasoning in:	
NATIONAL TOTAL	584,30	782,79	198,49	33,97%	sub-category chapters
NFR 1 - Energy	517,19	715,55	198,35	38,35%	sub-category chapters
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	NA	NA	#WERT!	#WERT!	here
2.D.3.h	NA	NA	#WERT!	#WERT!	here
2.D.3.i	NA	NA	#WERT!	#WERT!	here
2.G	50,50853	50,64734	0,13881	0,27%	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	0,000	#DIV/0!	sub-category chapters
NFR 5 - Waste	0,08	0,08	0,003	3,72%	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!	
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	0,08	0,08	0,003	3,72%	here
NFR 6 - Other	0,0000000	0,0000000	0,000	#DIV/0!	