

for pollutant-specific information, please click:	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	I[x]P	PAH1-4	HCB	PCB
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Recalculations - Copper (Cu)

With no reportable changes within the **National Total** reported for **1990**, the only notable percental changes occur for NFRs **1.A.2.g vii with -2.10 %**, **1.A.4.a ii with -2.16 %** and **1.A.4.c ii with plus 0.01 %** with mutually canceling absolute changes.

Table 1: Changes in emission estimates for 1990

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[t]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	619.88	619.88	0.00	0.00%	sub-category chapters
NFR 1 - Energy	538.01	538.01	0.00	0.00%	sub-category chapters
1.A.2.g vii	0.00466	0.00456	-0.00010	-2.10%	here
1.A.4.a ii	0.00091	0.00089	-0.00002	-2.16%	here
1.A.4.c ii	1.11495	1.11506	0.00012	0.01%	here
NFR 2 - IPPU	81.81	81.81	0.00	0.00%	sub-category chapters
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0.06	0.06	0.00	0.00%	sub-category chapters
NFR 6 - Other	NA				

The changes within the **National Total** reported for **2022 (+4.3 t or +.77 %)** are dominated by a revision in NFR sub-category **1.A.3.c with +3.76 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 18.6 %**.

Table 2: Changes of emission estimates for 2022

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	560.30	564.60	4.30	0.77%	sub-category chapters
NFR 1 - Energy	491.53	495.99	4.47	0.91%	sub-category chapters
1.A.1.a	7.37	7.34	-0.03	-0.45%	here
1.A.1.b	4.37	5.19	0.81	18.58%	here
1.A.1.c	0.048	0.052	0.004	9.09%	here
1.A.2.g vii	0.0040	0.0038	-0.0002	-5.56%	here
1.A.2.g viii	0.30	0.31	0.01	1.74%	here
1.A.3.b i	0.1485	0.1486	0.0001	0.08%	here
1.A.3.b ii	0.0242	0.0238	-0.0004	-1.73%	here
1.A.3.b iii	0.076	0.077	0.001	0.90%	here
1.A.3.b iv	0.0020	0.0019	-0.0001	-2.57%	here
1.A.3.c	103.66	107.42	3.76	3.63%	here
1.A.3.d ii	0.56	0.54	-0.02	-3.87%	here
1.A.4.a i	1.82	1.75	-0.07	-3.70%	here
1.A.4.a ii	0.00075	0.00063	-0.00012	-16.10%	here
1.A.4.b i	2.69	2.87	0.18	6.58%	here
1.A.4.b ii	0.26	0.23	-0.03	-10.35%	here
1.A.4.c i	0.086	0.085	-0.001	-1.35%	here
1.A.4.c ii	1.34	1.20	-0.14	-10.61%	here
1.A.5.b	0.00292	0.00296	0.00003	1.18%	here
NFR 2 - IPPU	68.7118	68.5308	-0.1809	-0.26%	sub-category chapters

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	560.30	564.60	4.30	0.77%	sub-category chapters
NFR 1 - Energy	491.53	495.99	4.47	0.91%	sub-category chapters
2.A.3	0.0646	0.0654	0.0008	1.24%	here
2.G	51.7133	51.5316	-0.1817	-0.35%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0.07	0.08	0.01	13.82%	sub-category chapters
5.E	0.07	0.08	0.01	13.82%	here
NFR 6 - Other	NA				