

Recalculations - Nickel (Ni)

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 0.42 %** with mutually canceling absolute changes.

Table 1: Changes in emission estimates for 1990

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	332.7447	332.7450	0.0004	0.0001%	sub-category chapters
NFR 1 - Energy	305.1336	305.1339	0.0002	0.0001%	sub-category chapters
1.A.2.g vii	0.00030	0.00023	-0.00007	-22.0%	here
1.A.3.a i(i)	0.0000009	0.0000003	-0.0000006	-62.4%	here
1.A.3.a ii(i)	0.000013	0.000014	0.000001	7.61%	here
1.A.3.c	55.2569	55.2571	0.0002	0.0004%	here
1.A.4.a ii	0.000037	0.000032	-0.000005	-12.7%	here
1.A.4.c ii	0.04572	0.04579	0.00007	0.15%	here
NFR 2 - IPPU	27.6111	27.6112	0.0001	0.0004%	sub-category chapters
2.G	1.5785	1.5786	0.0001	0.01%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	NA				
NFR 6 - Other	NA				

The significant changes within the **National Total** reported for **2021 (+5.80 t or +4.43 %)** are dominated by revisions in **NFR sub-categories 1.A.1.b (+2.89 t) and 1.A.3.c (3.18 t)** together with a **variety of revisions throughout NFRs 1 and 2**.

The significant percental change occurring in NFR 1.A.3.b iii (+130 %) results from a correction of erroneous data reported with the previous submission.

Table 2: Changes in emission estimates for 2021

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	130.89	136.69	5.80	4.43%	sub-category chapters
NFR 1 - Energy	123.18	128.95	5.77	4.69%	sub-category chapters
1.A.1.a	3.208	3.214	0.006	0.19%	here
1.A.1.b	71.85	74.74	2.89	4.03%	here
1.A.1.c	0.0265	0.0282	0.0017	6.46%	here
1.A.2.g vii	0.00045	0.00043	-0.00001	-2.9%	here
1.A.2.g viii	2.04	1.71	-0.33	-16.1%	here
1.A.3.a i(i)	0.000000134	0.000000127	-0.000000007	-5.24%	here
1.A.3.a ii(i)	0.000001688	0.000001689	0.000000001	0.07%	here
1.A.3.b i	0.0365	0.0366	0.0001	0.30%	here
1.A.3.b ii	0.00124	0.00123	-0.00001	-1.02%	here
1.A.3.b iii	0.0012	0.0028	0.0016	130%	here
1.A.3.b iv	0.00092	0.00093	0.00001	1.02%	here
1.A.3.b vi	2.5539	2.5575	0.0036	0.14%	here
1.A.3.b vii	0.5373	0.5375	0.0002	0.03%	here
1.A.3.c	41.78	44.96	3.18	7.60%	here
1.A.3.d ii	0.5255	0.5279	0.0025	0.47%	here
1.A.4.a i	0.046	0.047	0.001	2.03%	here
1.A.4.a ii	0.000028	0.000030	0.000002	6.02%	here
1.A.4.b i	0.50907	0.50908	0.00001	0.002%	here
1.A.4.b ii	0.0105	0.0110	0.0005	4.60%	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	130.89	136.69	5.80	4.43%	sub-category chapters
NFR 1 - Energy	123.18	128.95	5.77	4.69%	sub-category chapters
1.A.4.c i	0.005968	0.005984	0.000016	0.27%	here
1.A.4.c ii	0.043	0.056	0.014	31.6%	here
1.A.5.b	0.00285568	0.00285570	0.00000002	0.001%	here
NFR 2 - IPPU	7.71101	7.73736	0.02634	0.34%	sub-category chapters
2.A.3	0.04095	0.04099	0.00004	0.09%	here
2.G	1.71721	1.74352	0.02630	1.53%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	NA				
NFR 6 - Other	NA				