

## 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 -1.47 %**, **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 2023	Submission 2024	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>332.75</b>	<b>332.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>305.13</b>	<b>305.13</b>	<b>0.00</b>	<b>0.00%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0.0002333	0.0002299	-0.0000034	-1.47%	<a href="#">here</a>
1.A.4.a ii	0.0000319	0.0000312	-0.0000007	-2.16%	<a href="#">here</a>
1.A.4.c ii	0.0457929	0.0457970	0.0000041	0.01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>27.61</b>	<b>27.61</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 3 - Agriculture</b>		<b>NA</b>			
<b>NFR 5 - Waste</b>		<b>NA</b>			
<b>NFR 6 - Other</b>		<b>NA</b>			

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
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>130.89</b>	<b>136.69</b>	<b>5.80</b>	<b>4.43%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>123.18</b>	<b>128.95</b>	<b>5.77</b>	<b>4.69%</b>	<b>sub-category chapters</b>
1.A.1.a	3.208	3.214	0.006	0.19%	<a href="#">here</a>
1.A.1.b	71.85	74.74	<u>2.89</u>	4.03%	<a href="#">here</a>
1.A.1.c	0.0265	0.0282	0.0017	6.46%	<a href="#">here</a>
1.A.2.g vii	0.00045	0.00043	-0.00001	-2.9%	<a href="#">here</a>
1.A.2.g viii	2.04	1.71	-0.33	-16.1%	<a href="#">here</a>
1.A.3.a i(i)	0.000000134	0.000000127	-0.000000007	-5.24%	<a href="#">here</a>
1.A.3.a ii(i)	0.000001688	0.000001689	0.000000001	0.07%	<a href="#">here</a>
1.A.3.b i	0.0365	0.0366	0.0001	0.30%	<a href="#">here</a>
1.A.3.b ii	0.00124	0.00123	-0.00001	-1.02%	<a href="#">here</a>
1.A.3.b iii	0.0012	0.0028	0.0016	<u>130%</u>	<a href="#">here</a>
1.A.3.b iv	0.00092	0.00093	0.00001	1.02%	<a href="#">here</a>
1.A.3.b vi	2.5539	2.5575	0.0036	0.14%	<a href="#">here</a>
1.A.3.b vii	0.5373	0.5375	0.0002	0.03%	<a href="#">here</a>
1.A.3.c	41.78	44.96	<u>3.18</u>	7.60%	<a href="#">here</a>
1.A.3.d ii	0.5255	0.5279	0.0025	0.47%	<a href="#">here</a>
1.A.4.a i	0.046	0.047	0.001	2.03%	<a href="#">here</a>
1.A.4.a ii	0.000028	0.000030	0.000002	6.02%	<a href="#">here</a>
1.A.4.b i	0.50907	0.50908	0.00001	0.002%	<a href="#">here</a>
1.A.4.b ii	0.0105	0.0110	0.0005	4.60%	<a href="#">here</a>
1.A.4.c i	0.005968	0.005984	0.000016	0.27%	<a href="#">here</a>
1.A.4.c ii	0.043	0.056	0.014	31.6%	<a href="#">here</a>
1.A.5.b	0.00285568	0.00285570	0.00000002	0.001%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>7.71101</b>	<b>7.73736</b>	<b>0.02634</b>	<b>0.34%</b>	<b>sub-category chapters</b>

	Submission 2023	Submission 2024	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>130.89</b>	<b>136.69</b>	<b>5.80</b>	<b>4.43%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>123.18</b>	<b>128.95</b>	<b>5.77</b>	<b>4.69%</b>	<b>sub-category chapters</b>
2.A.3	0.04095	0.04099	0.00004	0.09%	<a href="#">here</a>
2.G	1.71721	1.74352	0.02630	1.53%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>NA</b>				
<b>NFR 6 - Other</b>	<b>NA</b>				