

## Recalculations - Nickel (Ni)

With negligibly small changes within NFRs 1 and 2 and re-allocations in sub-categories of 1.A.3.b, the **1990 National Total remains unaltered** compared to last year's submission.

However, the strongest percental change occurs in NFR **1.A.3.b ii with plus 24 %**.

Table 1: Changes in emission estimates for 1990

	Submission 2022	Submission 2023	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>332,74</b>	<b>332,74</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	0,0002988	0,0002992	0,0000004	0,13%	<a href="#">here</a>
1.A.3.b i	0,06880	0,06848	-0,00031	-0,45%	<a href="#">here</a>
1.A.3.b ii	0,00161	0,00199	0,00038	23,76%	<a href="#">here</a>
1.A.3.b iii	0,00216	0,00205	-0,00011	-4,87%	<a href="#">here</a>
1.A.3.b iv	0,00115	0,00118	0,00003	2,99%	<a href="#">here</a>
1.A.4.a ii	0,00003653	0,00003650	-0,00000003	-0,09%	<a href="#">here</a>
1.A.4.b ii	0,023643	0,023647	0,000005	0,02%	<a href="#">here</a>
1.A.4.c ii	0,045725	0,045722	-0,000003	-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>sub-category chapters</b>
2.G	1,5786	1,5785	-0,0002	-0,01%	<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>				

The changes in the **National Total** reported for **2020 (+3.15 t and +2.4 %)** are dominated by revisions in **NFRs 1.A.3.c, 1.A.1.b and 1.A.2.g viii**.

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 in emission estimates for 2020

	Submission 2022	Submission 2023	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>131,80</b>	<b>134,95</b>	<b>3,15</b>	<b>2,39%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>124,42</b>	<b>127,57</b>	<b>3,15</b>	<b>2,54%</b>	<b>sub-category chapters</b>
1.A.1.a	2,73	2,69	-0,04	-1,50%	<a href="#">here</a>
1.A.1.b	73,69	72,33	-1,36	-1,85%	<a href="#">here</a>
1.A.1.c	0,031	0,029	-0,002	-6,68%	<a href="#">here</a>
1.A.2.g vii	0,00040	0,00045	0,00005	11,91%	<a href="#">here</a>
1.A.2.g viii	2,02	3,60	1,58	78,10%	<a href="#">here</a>
1.A.3.a i(i)	0,0000000507	0,0000000505	-0,0000000002	-0,42%	<a href="#">here</a>
1.A.3.a ii(i)	0,0000013084	0,0000013088	0,0000000004	0,03%	<a href="#">here</a>
1.A.3.b i	0,0361	0,0361	-0,0001	-0,16%	<a href="#">here</a>
1.A.3.b ii	0,0011	0,0011	0,0001	5,50%	<a href="#">here</a>
1.A.3.b iii	0,003	0,001	-0,002	-65,91%	<a href="#">here</a>
1.A.3.b iv	0,00100	0,00101	0,00001	1,11%	<a href="#">here</a>
1.A.3.b vi	2,540	2,529	-0,01	-0,44%	<a href="#">here</a>
1.A.3.b vii	0,5325	0,5322	-0,0003	-0,05%	<a href="#">here</a>
1.A.3.c	41,78	44,77	2,99	7,16%	<a href="#">here</a>
1.A.4.a i	0,0401	0,0410	0,0008	2,10%	<a href="#">here</a>
1.A.4.a ii	0,0000290	0,0000293	0,0000003	0,89%	<a href="#">here</a>
1.A.4.b i	0,444	0,439	-0,005	-1,22%	<a href="#">here</a>
1.A.4.b ii	0,014	0,011	-0,003	-21,39%	<a href="#">here</a>

	Submission 2022	Submission 2023	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>131,80</b>	<b>134,95</b>	<b>3,15</b>	<b>2,39%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>124,42</b>	<b>127,57</b>	<b>3,15</b>	<b>2,54%</b>	<b>sub-category chapters</b>
1.A.4.c i	0,0051901	0,0051896	-0,0000005	-0,01%	<a href="#">here</a>
1.A.4.c ii	0,033	0,041	0,008	25,51%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>7,386</b>	<b>7,382</b>	<b>-0,004</b>	<b>-0,06%</b>	<b>sub-category chapters</b>
2.A.3	0,0383	0,0383	0,00	0,11%	<a href="#">here</a>
2.G	1,741	1,736	-0,004	-0,25%	<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>				