

## 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 **2019 (-1.45 t or -1.04 %)** are dominated by revisions in NFRs **1.A.1.b with -1.46 t** and **2.G with +0.17 t** together with more or less significant revisions throughout NFRs 1 and 2.

However, the strongest percental changes occur for NFRs **1.A.3.a i(i) and 1.A.3.a ii(i) with minus 84 %**.

Table 2: Changes in emission estimates for 2019

	Submission 2021	Submission 2022	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>138,99</b>	<b>137,54</b>	<b>-1,45</b>	<b>-1,04%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>131,33</b>	<b>129,72</b>	<b>-1,61</b>	<b>-1,22%</b>	<b>sub-category chapters</b>
1.A.1.a	3,40	3,34	-0,06	-1,91%	<a href="#">here</a>
1.A.1.b	76,00	74,53	-1,46	-1,93%	<a href="#">here</a>
1.A.1.c	0,031	0,030	-0,001	-2,36%	<a href="#">here</a>
1.A.2.g vii	0,000380	0,000378	-0,000003	-0,70%	<a href="#">here</a>
1.A.2.g viii	2,457	2,459	0,002	0,07%	<a href="#">here</a>
1.A.3.a i(i)	0,0000006	0,0000001	-0,0000005	-83,52%	<a href="#">here</a>
1.A.3.a ii(i)	0,000012	0,000002	-0,000010	-83,69%	<a href="#">here</a>
1.A.3.b i	0,04035	0,04037	0,00001	0,03%	<a href="#">here</a>
1.A.3.b ii	0,001107	0,001095	-0,000012	-1,10%	<a href="#">here</a>
1.A.3.b iii	0,003074	0,003070	-0,000004	-0,15%	<a href="#">here</a>
1.A.3.b iv	0,00099	0,00098	-0,00001	-1,10%	<a href="#">here</a>
1.A.3.c	44,772	44,774	0,002	0,01%	<a href="#">here</a>
1.A.3.d ii	0,62	0,55	-0,07	-11,17%	<a href="#">here</a>
1.A.4.a ii	0,0000284	0,0000285	0,0000001	0,18%	<a href="#">here</a>
1.A.4.b i	0,468	0,469	0,001	0,29%	<a href="#">here</a>
1.A.4.b ii	0,0141	0,0144	0,0003	1,88%	<a href="#">here</a>
1.A.4.c ii	0,0269	0,0264	-0,0005	-1,82%	<a href="#">here</a>
1.A.4.c iii	0,0119	0,0075	-0,0044	-37,07%	<a href="#">here</a>
1.A.5.b	0,0131	0,0039	-0,01	-69,92%	<a href="#">here</a>

	Submission 2021	Submission 2022	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>138,99</b>	<b>137,54</b>	<b>-1,45</b>	<b>-1,04%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>131,33</b>	<b>129,72</b>	<b>-1,61</b>	<b>-1,22%</b>	<b>sub-category chapters</b>
<b>NFR 2 - IPPU</b>	<b>7,66</b>	<b>7,82</b>	<b>0,16</b>	<b>2,10%</b>	<b>sub-category chapters</b>
2.A.3	0,0573	0,0393	-0,02	-31,43%	<a href="#">here</a>
2.D.3.g	NA	0,01	0,01		<a href="#">here</a>
2.G	1,73	1,90	0,17	9,91%	<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>				