

## Recalculations - Nickel (Ni)

The small changes in the **National Total reported for 1990 (-1.2 t | -0.35 %)** are dominated by a revision in **NFR 2.G with -1.18 t or -46 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>339,57</b>	<b>332,74</b>	<b>-6,83</b>	<b>-2,01%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>311,98</b>	<b>305,13</b>	<b>-6,85</b>	<b>-2,20%</b>	<b>sub-category chapters</b>
1.A.3.a i(i)	0,0000014	0,0000009	-0,0000005	-33,33%	<a href="#">here</a>
1.A.3.a ii(i)	0,000019	0,000013	-0,000006	-33,33%	<a href="#">here</a>
1.A.3.c	55,24	55,26	0,02	0,04%	<a href="#">here</a>
1.A.3.d ii	9,70	2,73	-6,97	-71,89%	<a href="#">here</a>
1.A.4.b ii	0,023	0,024	0,001	2,78%	<a href="#">here</a>
1.A.4.c iii	0,035	0,034	-0,002	-5,19%	<a href="#">here</a>
1.A.5.b	0,02	0,13	0,11	441%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>27,59</b>	<b>27,61</b>	<b>0,02</b>	<b>0,07%</b>	<b>sub-category chapters</b>
2.A.3	0,06	0,08	0,03	43,63%	<a href="#">here</a>
2.D.3.g	NA	0,01	0,01		<a href="#">here</a>
2.G	1,59	1,58	-0,01	-0,73%	<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 2018 (-8.6 t | -5.5 %)** are dominated by a revision in **NFRs 1.A.1.b with -7.15 t and 2.G with -1.7 t** together with more or less significant revisions throughout NFRs 1 and 2.

The most significant relative change occurs for **NFR 2.G with minus 50 %**.

Table 1: Changes in emission estimates for 2018

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>155,32</b>	<b>146,73</b>	<b>-8,59</b>	<b>-5,53%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>145,59</b>	<b>138,71</b>	<b>-6,88</b>	<b>-4,73%</b>	<b>sub-category chapters</b>
1.A.1.a	4,01	4,15	0,13	3,28%	<a href="#">here</a>
1.A.1.b	85,01	77,85	-7,15	-8,42%	<a href="#">here</a>
1.A.1.c	0,030	0,032	0,002	7,39%	<a href="#">here</a>
1.A.2.g vii	0,00038	0,00039	0,00001	2,35%	<a href="#">here</a>
1.A.2.g viii	2,436	2,606	0,17	6,94%	<a href="#">here</a>
1.A.3.a i(i)	NE	0,000001	0,000001		<a href="#">here</a>
1.A.3.a ii(i)	0,00002	0,00001	-0,00001	-36,34%	<a href="#">here</a>
1.A.3.b i	0,0399	0,0401	0,0001	0,33%	<a href="#">here</a>
1.A.3.b ii	0,00108	0,00106	-0,00001	-1,15%	<a href="#">here</a>
1.A.3.b iii	0,0031	0,0030	-0,0001	-3,34%	<a href="#">here</a>
1.A.3.b iv	0,00099	0,00098	-0,00001	-1,19%	<a href="#">here</a>
1.A.3.b vi	2,809	2,805	-0,004	-0,14%	<a href="#">here</a>
1.A.3.b vii	0,587	0,586	-0,002	-0,28%	<a href="#">here</a>
1.A.3.c	49,414	49,412	-0,003	-0,01%	<a href="#">here</a>
1.A.3.d ii	0,60	0,54	-0,06	-10,04%	<a href="#">here</a>
1.A.4.a i	0,046	0,043	-0,003	-6,78%	<a href="#">here</a>
1.A.4.a ii	0,000034	0,000029	-0,000005	-15,33%	<a href="#">here</a>
1.A.4.b i	0,49	0,53	0,04	7,84%	<a href="#">here</a>
1.A.4.b ii	0,015	0,014	-0,001	-4,70%	<a href="#">here</a>

	Submission 2020	Submission 2021	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>155,32</b>	<b>146,73</b>	<b>-8,59</b>	<b>-5,53%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>145,59</b>	<b>138,71</b>	<b>-6,88</b>	<b>-4,73%</b>	<b>sub-category chapters</b>
1.A.4.c i	0,0061	0,0064	0,0003	4,52%	<a href="#">here</a>
1.A.4.c ii	0,025	0,027	0,002	9,20%	<a href="#">here</a>
1.A.4.c iii	0,057	0,059	0,002	3,03%	<a href="#">here</a>
1.A.5.b	0,0100	0,0103	0,0003	2,99%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>9,73</b>	<b>8,02</b>	<b>-1,71</b>	<b>-17,61%</b>	<b>sub-category chapters</b>
2.A.3	0,0568	0,0566	-0,0002	-0,38%	<a href="#">here</a>
2.G	3,44	1,72	-1,71	-49,85%	<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>				