

## Recalculations - Zinc (Zn)

The marginally small changes within the **National Total** reported for **1990 (+0.005 t or +0.001 %)** result from a variety of revisions throughout NFRS 1 and 2 - with the strongest percental change occurring in **NFR 1.A.3.a i(i)** with minus 62 %.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]	[t]	absolute	relative	
<b>NATIONAL TOTAL</b>	<b>474.148</b>	<b>474.153</b>	<b>0.005</b>	<b>0.001%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>387.461</b>	<b>387.464</b>	<b>0.003</b>	<b>0.001%</b>	sub-category chapters
1.A.2.g vii	0.021	0.015	-0.006	-27.9%	<a href="#">here</a>
1.A.3.a i(i)	0.000013	0.000005	-0.000008	-62.4%	<a href="#">here</a>
1.A.3.a ii(i)	0.00019	0.00020	0.00001	7.61%	<a href="#">here</a>
1.A.3.c	0.917	0.921	0.003	0.37%	<a href="#">here</a>
1.A.4.a ii	0.0033	0.0029	-0.0004	-12.7%	<a href="#">here</a>
1.A.4.c ii	0.665	0.672	0.006	0.95%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>86.687</b>	<b>86.689</b>	<b>0.002</b>	<b>0.002%</b>	sub-category chapters
2.G	20.878	20.880	0.002	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 **2021 (+1.71 t and +0.61 %)** result from a **variety of revisions throughout NFRs 1 and 2**, dominated by changes within NFR sub-categories **1.A.4.a i** with +0.71 t and **2.G** with +0.37 t.

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 of emission estimates for 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]	[t]	absolute	relative	
<b>NATIONAL TOTAL</b>	<b>281.42</b>	<b>283.14</b>	<b>1.71</b>	<b>0.61%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>235.80</b>	<b>237.14</b>	<b>1.34</b>	<b>0.57%</b>	sub-category chapters
1.A.1.a	4.94	4.93	-0.01	-0.16%	<a href="#">here</a>
1.A.1.b	3.05	3.20	0.15	4.95%	<a href="#">here</a>
1.A.1.c	0.029	0.032	0.003	11.8%	<a href="#">here</a>
1.A.2.g vii	0.0233	0.0168	-0.0065	-27.8%	<a href="#">here</a>
1.A.2.g viii	0.545	0.521	-0.024	-4.38%	<a href="#">here</a>
1.A.3.a i(i)	0.0000019	0.0000018	-0.0000001	-5.24%	<a href="#">here</a>
1.A.3.a ii(i)	0.00002422	0.00002424	0.00000002	0.07%	<a href="#">here</a>
1.A.3.b i	0.729	0.726	-0.003	-0.45%	<a href="#">here</a>
1.A.3.b ii	0.0785	0.0771	-0.0014	-1.76%	<a href="#">here</a>
1.A.3.b iii	0.11	0.25	0.14	130%	<a href="#">here</a>
1.A.3.b iv	0.01320	0.01333	0.00014	1.02%	<a href="#">here</a>
1.A.3.b vi	124.00	124.14	0.13	0.11%	<a href="#">here</a>
1.A.3.b vii	1.2161	1.2165	0.0004	0.03%	<a href="#">here</a>
1.A.3.c	0.2640569	0.2640604	0.0000035	0.001%	<a href="#">here</a>
1.A.3.d ii	0.492	0.528	0.035	7.20%	<a href="#">here</a>
1.A.4.a i	33.18	33.89	0.71	2.14%	<a href="#">here</a>
1.A.4.a ii	0.00255	0.00271	0.00015	6.02%	<a href="#">here</a>
1.A.4.b i	64.82616	64.82612	-0.00005	-0.0001%	<a href="#">here</a>
1.A.4.b ii	0.148	0.155	0.007	4.60%	<a href="#">here</a>
1.A.4.c i	1.510	1.514	0.004	0.27%	<a href="#">here</a>

	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>281.42</b>	<b>283.14</b>	<b>1.71</b>	<b>0.61%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>235.80</b>	<b>237.14</b>	<b>1.34</b>	<b>0.57%</b>	<b>sub-category chapters</b>
1.A.4.c ii	0.63	0.82	0.20	31.5%	<a href="#">here</a>
1.A.5.b	0.0048862	0.0048864	0.0000002	0.005%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>45.63</b>	<b>46.00</b>	<b>0.37</b>	<b>0.81%</b>	<b>sub-category chapters</b>
2.G	20.77	21.14	<u>0.37</u>	1.79%	<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>			