

## Recalculations - Zinc (Zn)

The marginally small changes within the **1990 National Total (+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>0,00</b>	<b>0,00</b>	<b>0,00</b>		
<b>NFR 5 - Waste</b>	<b>0,000</b>	<b>0,000</b>	<b>0,00</b>		
<b>NFR 6 - Other</b>	<b>0,000</b>	<b>0,000</b>	<b>0,00</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>			