

## Recalculations - Zinc (Zn)

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 25 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning
	[t]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>474,15</b>	<b>474,15</b>	<b>0,00</b>	<b>0,00%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>387,46</b>	<b>387,46</b>	<b>0,00</b>	<b>0,00%</b>	sub-category chapters
1.A.2.g vii	0,02122	0,02126	0,00004	0,17%	<a href="#">here</a>
1.A.3.b i	1,0758	1,0766	0,0008	0,08%	<a href="#">here</a>
1.A.3.b ii	0,0321	0,0402	0,0080	25,01%	<a href="#">here</a>
1.A.3.b iii	0,1924	0,1830	-0,0094	-4,87%	<a href="#">here</a>
1.A.3.b iv	0,0164	0,0169	0,0005	2,99%	<a href="#">here</a>
1.A.4.a ii	0,003288	0,003285	-0,000003	-0,09%	<a href="#">here</a>
1.A.4.b ii	0,3338	0,3339	0,0001	0,02%	<a href="#">here</a>
1.A.4.c ii	0,66532	0,66525	-0,00006	-0,01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>86,69</b>	<b>86,69</b>	<b>0,00</b>	<b>0,00%</b>	sub-category chapters
2.G	20,880	20,878	-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 **2020 (+5.13 t and +1 %)** are dominated by opposing revisions in **NFRs 1.A.3.b vi (-1.52 t) and 1.A.3.c (+6.77 t)** where annual mileage and, hence, abrasive emissions were revised for 2020.

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 2020

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>294,75</b>	<b>297,04</b>	<b>2,29</b>	<b>0,78%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>239,60</b>	<b>239,48</b>	<b>-0,13</b>	<b>-0,05%</b>	sub-category chapters
1.A.1.a	5,25	5,28	0,03	0,61%	<a href="#">here</a>
1.A.1.b	3,22	3,13	-0,09	-2,81%	<a href="#">here</a>
1.A.1.c	0,037	0,035	-0,002	-4,70%	<a href="#">here</a>
1.A.2.g vii	0,02176	0,02175	-0,00001	-0,04%	<a href="#">here</a>
1.A.2.g viii	0,51	0,47	-0,04	-7,59%	<a href="#">here</a>
1.A.3.a i(i)	0,000008	0,000001	-0,000007	-83,52%	<a href="#">here</a>
1.A.3.a ii(i)	0,00017	0,00003	-0,00015	-83,69%	<a href="#">here</a>
1.A.3.b i	0,8145	0,8150	0,0005	0,06%	<a href="#">here</a>
1.A.3.b ii	0,0723	0,0715	-0,0008	-1,10%	<a href="#">here</a>
1.A.3.b iii	0,2741	0,2737	-0,0004	-0,15%	<a href="#">here</a>
1.A.3.b iv	0,01421	0,01405	-0,00016	-1,10%	<a href="#">here</a>
1.A.3.c	0,23	0,26	0,03	12,58%	<a href="#">here</a>
1.A.3.d ii	0,58	0,54	-0,04	-6,64%	<a href="#">here</a>
1.A.4.a ii	0,002557	0,002561	0,000005	0,18%	<a href="#">here</a>
1.A.4.b ii	0,199	0,203	0,004	1,88%	<a href="#">here</a>
1.A.4.c ii	0,40	0,39	-0,01	-1,72%	<a href="#">here</a>
1.A.4.c iii	0,014	0,009	-0,005	-37,07%	<a href="#">here</a>
1.A.5.b	0,018	0,007	-0,011	-62,86%	<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>294,75</b>	<b>297,04</b>	<b>2,29</b>	<b>0,78%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>239,60</b>	<b>239,48</b>	<b>-0,13</b>	<b>-0,05%</b>	<b>sub-category chapters</b>
<b>NFR 2 - IPPU</b>	<b>55,14</b>	<b>57,56</b>	<b>2,42</b>	<b>4,39%</b>	<b>sub-category chapters</b>
2.G	30,44	32,86	2,42	7,95%	<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>				