

## 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]             |                 |              | relative      |  |
| <b>NATIONAL TOTAL</b>      | <b>474,148</b>  | <b>474,153</b>  | <b>0,005</b> | <b>0,001%</b> | <b>see description and reasoning in: sub-category chapters</b> |
| <b>NFR 1 - Energy</b>      | <b>387,461</b>  | <b>387,464</b>  | <b>0,003</b> | <b>0,001%</b> | <b>sub-category chapters</b>                                   |
| 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> | <b>sub-category chapters</b>                                   |
| 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]             |                 |             | relative     |  |
| <b>NATIONAL TOTAL</b> | <b>281,42</b>   | <b>283,14</b>   | <b>1,71</b> | <b>0,61%</b> | <b>see description and reasoning in: 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.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>   |
| 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>   |

|                            | 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>             |
| <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           | 0,37        | 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>       |             |                 |  |