

## Recalculations - Zinc (Zn)

The marginal changes in the **National Total** reported for **1990 (-0.44 t or -0.09 %)** are dominated by revisions in **NFR 1.A.3.d ii with -0.27 t** and **2.G with -0.16 t**.

However, the most significant percental change occurs for **NFR 1.A.3.d ii with minus 54 %**.

Table 1: Changes in emission estimates for 1990

| NFR Sector                 | Submission 2021 | Submission 2022 | Difference   |               | Reasoning                                               |
|----------------------------|-----------------|-----------------|--------------|---------------|---------------------------------------------------------|
|                            | [t]             |                 |              | relative      |                                                         |
| <b>NATIONAL TOTAL</b>      | <b>474,59</b>   | <b>474,15</b>   | <b>-0,44</b> | <b>-0,09%</b> | see description and reasoning in: sub-category chapters |
| <b>NFR 1 - Energy</b>      | <b>387,74</b>   | <b>387,46</b>   | <b>-0,28</b> | <b>-0,07%</b> | sub-category chapters                                   |
| 1.A.3.a i(i)               | 0,000019        | 0,000013        | -0,000006    | -33,33%       | <a href="#">here</a>                                    |
| 1.A.3.a ii(i)              | 0,0003          | 0,0002          | -0,0001      | -33,33%       | <a href="#">here</a>                                    |
| 1.A.3.c                    | 0,91            | 0,92            | 0,01         | 1,27%         | <a href="#">here</a>                                    |
| 1.A.3.d ii                 | 1,27            | 1,00            | -0,27        | -21,38%       | <a href="#">here</a>                                    |
| 1.A.4.b i                  | 18,179          | 18,179          | 0,00         | 0,00%         | <a href="#">here</a>                                    |
| 1.A.4.b ii                 | 0,32            | 0,33            | 0,01         | 2,78%         | <a href="#">here</a>                                    |
| 1.A.4.c iii                | 0,02            | 0,01            | -0,01        | -53,83%       | <a href="#">here</a>                                    |
| 1.A.5.b                    | 0,050           | 0,038           | -0,01        | -24,61%       | <a href="#">here</a>                                    |
| <b>NFR 2 - IPPU</b>        | <b>86,85</b>    | <b>86,69</b>    | <b>-0,16</b> | <b>-0,19%</b> | sub-category chapters                                   |
| 2.G                        | 21,05           | 20,88           | -0,16        | -0,78%        | <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 small changes in the **National Total** reported for **2019 (+2.29 t or +0.78 %)** are dominated by a revision in **NFR 2.G with plus 2.42 t** together with a variety of less significant revisions throughout **NFR 1**.

However, the most significant percental changes occur for **NFRs 1.A.3.a i(i) and 1.A.3.a ii(i) with minus 84 %**.

Table 2: Changes in emission estimates for 2019

| NFR Sector            | Submission 2021 | Submission 2022 | Difference   |               | Reasoning                                               |
|-----------------------|-----------------|-----------------|--------------|---------------|---------------------------------------------------------|
|                       | [t]             |                 |              | 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>                                    |
| <b>NFR 2 - IPPU</b>   | <b>55,14</b>    | <b>57,56</b>    | <b>2,42</b>  | <b>4,39%</b>  | sub-category chapters                                   |

|                            | 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>             |
| 2.G                        | 30,44           | 32,86           | <u>2,42</u>  | 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>       |                 |              |                 |                                          |