

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 | |
| NATIONAL TOTAL | 474.148 | 474.153 | 0.005 | 0.001% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 387.461 | 387.464 | 0.003 | 0.001% | sub-category chapters |
| 1.A.2.g vii | 0.021 | 0.015 | -0.006 | -27.9% | here |
| 1.A.3.a i(i) | 0.000013 | 0.000005 | -0.000008 | -62.4% | here |
| 1.A.3.a ii(i) | 0.00019 | 0.00020 | 0.00001 | 7.61% | here |
| 1.A.3.c | 0.917 | 0.921 | 0.003 | 0.37% | here |
| 1.A.4.a ii | 0.0033 | 0.0029 | -0.0004 | -12.7% | here |
| 1.A.4.c ii | 0.665 | 0.672 | 0.006 | 0.95% | here |
| NFR 2 - IPPU | 86.687 | 86.689 | 0.002 | 0.002% | sub-category chapters |
| 2.G | 20.878 | 20.880 | 0.002 | 0.01% | here |
| NFR 3 - Agriculture | | NA | | | |
| NFR 5 - Waste | | NA | | | |
| NFR 6 - Other | | NA | | | |

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

| | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|-------------|-----------------|--|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 281.42 | 283.14 | 1.71 | 0.61% | sub-category chapters |
| NFR 1 - Energy | 235.80 | 237.14 | 1.34 | 0.57% | sub-category chapters |
| 1.A.4.c ii | 0.63 | 0.82 | 0.20 | 31.5% | here |
| 1.A.5.b | 0.0048862 | 0.0048864 | 0.0000002 | 0.005% | here |
| NFR 2 - IPPU | 45.63 | 46.00 | 0.37 | 0.81% | sub-category chapters |
| 2.G | 20.77 | 21.14 | <u>0.37</u> | 1.79% | here |
| NFR 3 - Agriculture | | NA | | | |
| NFR 5 - Waste | | NA | | | |
| NFR 6 - Other | | NA | | | |