

Recalculations - Nickel (Ni)

The marginally small changes within the **1990 National Total (+0.0004 t or +0.0001 %)** 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

| | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|---------------|----------------|-----------------------------------|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 332,7447 | 332,7450 | 0,0004 | 0,0001% | sub-category chapters |
| NFR 1 - Energy | 305,1336 | 305,1339 | 0,0002 | 0,0001% | sub-category chapters |
| 1.A.2.g vii | 0,00030 | 0,00023 | -0,00007 | -22,0% | here |
| 1.A.3.a i(i) | 0,0000009 | 0,0000003 | -0,0000006 | -62,4% | here |
| 1.A.3.a ii(i) | 0,000013 | 0,000014 | 0,000001 | 7,61% | here |
| 1.A.3.c | 55,2569 | 55,2571 | 0,0002 | 0,0004% | here |
| 1.A.4.a ii | 0,000037 | 0,000032 | -0,000005 | -12,7% | here |
| 1.A.4.c ii | 0,04572 | 0,04579 | 0,00007 | 0,15% | here |
| NFR 2 - IPPU | 27,6111 | 27,6112 | 0,0001 | 0,0004% | sub-category chapters |
| 2.G | 1,5785 | 1,5786 | 0,0001 | 0,01% | here |
| NFR 3 - Agriculture | 0,00 | 0,00 | 0,00 | | |
| NFR 5 - Waste | 0,00 | 0,00 | 0,00 | | |
| NFR 6 - Other | 0,00 | 0,00 | 0,00 | | |

The significant changes within the **National Total** reported for **2021 (+5.80 t or +4.43 %)** are dominated by revisions in **NFR sub-categories 1.A.1.b (+2.89 t) and 1.A.3.c (3.18 t)** together with a **variety of revisions throughout NFRs 1 and 2**.

The significant percental change occurring in NFR 1.A.3.b iii (+130 %) results from a correction of erroneous data reported with the previous submission.

Table 2: Changes in emission estimates for 2021

| | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|--------------|-----------------------------------|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 130.89 | 136.69 | 5.80 | 4.43% | sub-category chapters |
| NFR 1 - Energy | 123.18 | 128.95 | 5.77 | 4.69% | sub-category chapters |
| 1.A.1.a | 3.208 | 3.214 | 0.006 | 0.19% | here |
| 1.A.1.b | 71.85 | 74.74 | 2.89 | 4.03% | here |
| 1.A.1.c | 0.0265 | 0.0282 | 0.0017 | 6.46% | here |
| 1.A.2.g vii | 0.00045 | 0.00043 | -0.00001 | -2.9% | here |
| 1.A.2.g viii | 2.04 | 1.71 | -0.33 | -16.1% | here |
| 1.A.3.a i(i) | 0.000000134 | 0.000000127 | -0.000000007 | -5.24% | here |
| 1.A.3.a ii(i) | 0.000001688 | 0.000001689 | 0.000000001 | 0.07% | here |
| 1.A.3.b i | 0.0365 | 0.0366 | 0.0001 | 0.30% | here |
| 1.A.3.b ii | 0.00124 | 0.00123 | -0.00001 | -1.02% | here |
| 1.A.3.b iii | 0.0012 | 0.0028 | 0.0016 | 130% | here |
| 1.A.3.b iv | 0.00092 | 0.00093 | 0.00001 | 1.02% | here |
| 1.A.3.b vi | 2.5539 | 2.5575 | 0.0036 | 0.14% | here |
| 1.A.3.b vii | 0.5373 | 0.5375 | 0.0002 | 0.03% | here |
| 1.A.3.c | 41.78 | 44.96 | 3.18 | 7.60% | here |
| 1.A.3.d ii | 0.5255 | 0.5279 | 0.0025 | 0.47% | here |
| 1.A.4.a i | 0.046 | 0.047 | 0.001 | 2.03% | here |
| 1.A.4.a ii | 0.000028 | 0.000030 | 0.000002 | 6.02% | here |
| 1.A.4.b i | 0.50907 | 0.50908 | 0.00001 | 0.002% | here |
| 1.A.4.b ii | 0.0105 | 0.0110 | 0.0005 | 4.60% | here |

| | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|----------------|-----------------|--|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 130.89 | 136.69 | 5.80 | 4.43% | sub-category chapters |
| NFR 1 - Energy | 123.18 | 128.95 | 5.77 | 4.69% | sub-category chapters |
| 1.A.4.c i | 0.005968 | 0.005984 | 0.000016 | 0.27% | here |
| 1.A.4.c ii | 0.043 | 0.056 | 0.014 | 31.6% | here |
| 1.A.5.b | 0.00285568 | 0.00285570 | 0.00000002 | 0.001% | here |
| NFR 2 - IPPU | 7.71101 | 7.73736 | 0.02634 | 0.34% | sub-category chapters |
| 2.A.3 | 0.04095 | 0.04099 | 0.00004 | 0.09% | here |
| 2.G | 1.71721 | 1.74352 | 0.02630 | 1.53% | here |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | NA | | | | |
| NFR 6 - Other | NA | | | | |