


Recalculations - Chromium (Cr)

With negligibly small changes within NFRs 1 and 2 and re-allocations in sub-categories of 1.A.3.b, the **National Total reported for 1990 remains unaltered** compared to last year's submission.

However, the strongest percental change occurs in NFR **1.A.3.b ii with plus 26 %**.

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 | 165,692 | 165,690 | -0,001 | -0,001% | sub-category chapters |
| NFR 1 - Energy | 122,2858 | 122,2860 | 0,0002 | 0,0001% | sub-category chapters |
| 1.A.2.g vii | 0,010 | 0,007 | -0,003 | -28,8% | here |
| 1.A.3.a i(i) | 0,0000025 | 0,0000009 | -0,0000015 | -62,4% | here |
| 1.A.3.a ii(i) | 0,0000355 | 0,0000382 | 0,0000027 | 7,61% | here |
| 1.A.3.c | 27,6524 | 27,6526 | 0,0002 | 0,001% | here |
| 1.A.4.a ii | 0,0016 | 0,0014 | -0,0002 | -12,7% | here |
| 1.A.4.c ii | 0,039 | 0,042 | 0,003 | 7,74% | here |
| 1.A.4.c iii | 0,0009 | 0,0009 | 0,0000 | 0,00% | here |
| NFR 2 - IPPU | 43,38 | 43,38 | 0,00 | 0,00% | |
| NFR 3 - Agriculture | 0,00 | 0,00 | 0,00 | | |
| NFR 5 - Waste | 0,029 | 0,027 | -0,002 | -5,96% | sub-category chapters |
| 5.E | 0,029 | 0,027 | -0,002 | -5,96% | here |
| NFR 6 - Other | 0,00 | 0,00 | 0,00 | | |

The changes in the **National Total** reported for **2020 (+1.34 t and +2 %)** are dominated by a revision in **NFR 1.A.3.c with plus 1.5 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

| Submission 2022 | Submission 2023 | Difference | | Reasoning | |
|-----------------------|-----------------|--------------|--------------|-----------------------------------|-----------------------|
| NFR Sector | [t] | | relative | see description and reasoning in: | |
| NATIONAL TOTAL | 65,72 | 67,05 | 1,34 | 2,03% | sub-category chapters |
| NFR 1 - Energy | 48,23 | 49,57 | 1,34 | 2,78% | sub-category chapters |
| 1.A.1.a | 3,30 | 3,27 | -0,03 | -0,79% | here |
| 1.A.1.b | 1,24 | 1,21 | -0,04 | -2,88% | here |
| 1.A.1.c | 0,049 | 0,045 | -0,004 | -7,97% | here |
| 1.A.2.g vii | 0,0100 | 0,0102 | 0,0002 | 2,34% | here |
| 1.A.2.g viii | 0,21 | 0,26 | 0,06 | 26,81% | here |
| 1.A.3.a i(i) | 0,000000139 | 0,000000138 | -0,000000001 | -0,42% | here |
| 1.A.3.a ii(i) | 0,000003584 | 0,000003585 | 0,000000001 | 0,03% | here |
| 1.A.3.b i | 0,2049 | 0,2058 | 0,0008 | 0,41% | here |
| 1.A.3.b ii | 0,0318 | 0,0325 | 0,0007 | 2,15% | here |
| 1.A.3.b iii | 0,1251 | 0,0426 | -0,0824 | -65,91% | here |
| 1.A.3.b iv | 0,00274 | 0,00277 | 0,00003 | 1,11% | here |
| 1.A.3.b vi | 16,36 | 16,29 | -0,07 | -0,43% | here |
| 1.A.3.b vii | 1,009 | 1,008 | 0,00 | -0,05% | here |
| 1.A.3.c | 20,90 | 22,39 | 1,50 | 7,16% | here |
| 1.A.3.d ii | 0,028006 | 0,028004 | -0,000002 | -0,01% | here |
| 1.A.4.a i | 1,87 | 1,91 | 0,04 | 2,14% | here |
| 1.A.4.a ii | 0,001235 | 0,001246 | 0,000011 | 0,89% | here |

| | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|----------------|-----------------|--|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 65,72 | 67,05 | 1,34 | 2,03% | sub-category chapters |
| NFR 1 - Energy | 48,23 | 49,57 | 1,34 | 2,78% | sub-category chapters |
| 1.A.4.b i | 2,78 | 2,74 | -0,04 | -1,43% | here |
| 1.A.4.b ii | 0,009 | 0,007 | -0,002 | -21,39% | here |
| 1.A.4.c i | 0,067870 | 0,067864 | -0,000006 | -0,01% | here |
| 1.A.4.c ii | 0,032 | 0,037 | 0,005 | 16,46% | here |
| NFR 2 - IPPU | 17,4580 | 17,4556 | -0,0024 | -0,01% | sub-category chapters |
| 2.A.3 | 0,0948 | 0,0950 | 0,0002 | 0,26% | here |
| 2.G | 0,8531 | 0,8505 | -0,0027 | -0,31% | here |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0,03 | 0,03 | 0,00 | 0,00% | |
| NFR 6 - Other | NA | | | | |