

Recalculations - Copper (Cu)

The marginal changes in the **National Total** reported for **1990 (-0.31 t or -0.05 %)** are dominated by a revision in NFR **2.G (-0.28 kt)** as well as several less significant revisions throughout NFRs 1 and 2.

Here, the strongest percental change occurs for NFR **1.A.4.c iii with minus 52 %**.

Table 1: Changes in emission estimates for 1990

| NFR Sector | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 620,19 | 619,88 | -0,31 | -0,05% | sub-category chapters |
| NFR 1 - Energy | 538,12 | 538,01 | -0,11 | -0,02% | sub-category chapters |
| 1.A.3.a i(i) | 0,000003 | 0,000002 | -0,000001 | -33,33% | here |
| 1.A.3.a ii(i) | 0,00004 | 0,00003 | -0,00001 | -33,33% | here |
| 1.A.3.c | 95,153 | 95,160 | 0,01 | 0,01% | here |
| 1.A.3.d ii | 1,51 | 1,39 | -0,12 | -7,98% | here |
| 1.A.4.b ii | 0,559 | 0,574 | 0,02 | 2,79% | here |
| 1.A.4.c iii | 0,015 | 0,007 | -0,01 | -52,49% | here |
| 1.A.5.b | 0,024 | 0,017 | -0,008 | -31,40% | here |
| NFR 2 - IPPU | 82,00 | 81,81 | -0,20 | -0,24% | sub-category chapters |
| 2.A.3 | 0,85 | 0,94 | 0,09 | 10,47% | here |
| 2.G | 36,56 | 36,27 | -0,28 | -0,78% | here |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0,07 | 0,07 | 0,00 | 0,00% | |
| NFR 6 - Other | NA | | | | |

The changes in the **National Total** reported for **2019 (+3.91 t or 0.67 %)** are dominated by a revision in NFRs **2.G with +4.18 t** and **2.A.3 with -0.35 t**.

The most significant percental changes occur for **NFRs 1.A.3.a i(i), 1.A.3.a ii(i) and 2.A.3 with minus 84 %** each.

Table 2: Changes in emission estimates for 2019

| NFR Sector | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|-------------|--------------|-----------------------------------|
| | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 587,38 | 591,28 | 3,91 | 0,67% | sub-category chapters |
| NFR 1 - Energy | 517,86 | 517,93 | 0,07 | 0,01% | sub-category chapters |
| 1.A.1.a | 7,00 | 7,11 | 0,11 | 1,50% | here |
| 1.A.1.b | 4,05 | 3,94 | -0,11 | -2,74% | here |
| 1.A.1.c | 0,058 | 0,056 | 0,00 | -2,95% | here |
| 1.A.2.g vii | 0,00646 | 0,00647 | 0,00001 | 0,08% | here |
| 1.A.2.g viii | 0,329 | 0,326 | -0,003 | -0,89% | here |
| 1.A.3.a i(i) | 0,0000011 | 0,0000002 | -0,0000009 | -83,52% | here |
| 1.A.3.a ii(i) | 0,000024 | 0,000004 | -0,000020 | -83,69% | here |
| 1.A.3.b i | 0,1616 | 0,1618 | 0,0001 | 0,08% | here |
| 1.A.3.b ii | 0,0220 | 0,0217 | -0,0002 | -1,10% | here |
| 1.A.3.b iii | 0,0868 | 0,0867 | -0,0001 | -0,15% | here |
| 1.A.3.b iv | 0,00194 | 0,00192 | -0,00002 | -1,10% | here |
| 1.A.3.c | 100,89 | 100,94 | 0,05 | 0,05% | here |
| 1.A.3.d ii | 0,60 | 0,65 | 0,05 | 9,14% | here |
| 1.A.4.a ii | 0,000810 | 0,000811 | 0,000001 | 0,18% | here |
| 1.A.4.b i | 2,379 | 2,380 | 0,001 | 0,03% | here |
| 1.A.4.b ii | 0,34 | 0,35 | 0,01 | 1,85% | here |
| 1.A.4.c ii | 0,656 | 0,644 | -0,012 | -1,82% | here |
| 1.A.4.c iii | 0,0105 | 0,0066 | -0,0039 | -37,07% | here |
| 1.A.5.b | 0,012 | 0,004 | -0,008 | -68,89% | here |

| | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|-------------|-----------------|--|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 587,38 | 591,28 | 3,91 | 0,67% | sub-category chapters |
| NFR 1 - Energy | 517,86 | 517,93 | 0,07 | 0,01% | sub-category chapters |
| NFR 2 - IPPU | 69,45 | 73,28 | 3,83 | 5,52% | sub-category chapters |
| 2.A.3 | 0,413 | 0,065 | -0,35 | -84,30% | here |
| 2.G | 52,59 | 56,77 | 4,18 | 7,95% | here |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0,07 | 0,07 | 0,00 | 0,00% | |
| NFR 6 - Other | NA | | | | |