

## Recalculations - Nickel (Ni)

The changes in the **National Total reported for 1990 (-6.83 t | -2 %)** are dominated by a revision in **NFR 1.A.3.d ii with -6.97 kt or -72 %**.

However, the strongest percental change occurs for **NFR 1.A.5.b with plus 441 %**.

Table 1: Changes in emission estimates for 1990

|                            | Submission 2021 | Submission 2022 | Difference   |               | Reasoning                         |
|----------------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>339,57</b>   | <b>332,74</b>   | <b>-6,83</b> | <b>-2,01%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>311,98</b>   | <b>305,13</b>   | <b>-6,85</b> | <b>-2,20%</b> | <b>sub-category chapters</b>      |
| 1.A.3.a i(i)               | 0,0000014       | 0,0000009       | -0,0000005   | -33,33%       | <a href="#">here</a>              |
| 1.A.3.a ii(i)              | 0,000019        | 0,000013        | -0,000006    | -33,33%       | <a href="#">here</a>              |
| 1.A.3.c                    | 55,24           | 55,26           | 0,02         | 0,04%         | <a href="#">here</a>              |
| 1.A.3.d ii                 | 9,70            | 2,73            | -6,97        | -71,89%       | <a href="#">here</a>              |
| 1.A.4.b ii                 | 0,023           | 0,024           | 0,001        | 2,78%         | <a href="#">here</a>              |
| 1.A.4.c iii                | 0,035           | 0,034           | -0,002       | -5,19%        | <a href="#">here</a>              |
| 1.A.5.b                    | 0,02            | 0,13            | 0,11         | 441%          | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>27,59</b>    | <b>27,61</b>    | <b>0,02</b>  | <b>0,07%</b>  | <b>sub-category chapters</b>      |
| 2.A.3                      | 0,06            | 0,08            | 0,03         | 43,63%        | <a href="#">here</a>              |
| 2.D.3.g                    | NA              | 0,01            | 0,01         |               | <a href="#">here</a>              |
| 2.G                        | 1,59            | 1,58            | -0,01        | -0,73%        | <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 changes in the **National Total reported for 2018 (-8.6 t | -5.5 %)** are dominated by a revision in **NFRs 1.A.1.b with -7.15 t and 2.G with -1.7 t** together with more or less significant revisions throughout NFRs 1 and 2.

The most significant relative change occurs for **NFR 2.G with minus 50 %**.

Table 1: Changes in emission estimates for 2018

|                       | Submission 2020 | Submission 2021 | Difference   |               | Reasoning                         |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector            | [t]             |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>155,32</b>   | <b>146,73</b>   | <b>-8,59</b> | <b>-5,53%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>145,59</b>   | <b>138,71</b>   | <b>-6,88</b> | <b>-4,73%</b> | <b>sub-category chapters</b>      |
| 1.A.1.a               | 4,01            | 4,15            | 0,13         | 3,28%         | <a href="#">here</a>              |
| 1.A.1.b               | 85,01           | 77,85           | -7,15        | -8,42%        | <a href="#">here</a>              |
| 1.A.1.c               | 0,030           | 0,032           | 0,002        | 7,39%         | <a href="#">here</a>              |
| 1.A.2.g vii           | 0,00038         | 0,00039         | 0,00001      | 2,35%         | <a href="#">here</a>              |
| 1.A.2.g viii          | 2,436           | 2,606           | 0,17         | 6,94%         | <a href="#">here</a>              |
| 1.A.3.a i(i)          | NE              | 0,000001        | 0,000001     |               | <a href="#">here</a>              |
| 1.A.3.a ii(i)         | 0,00002         | 0,00001         | -0,00001     | -36,34%       | <a href="#">here</a>              |
| 1.A.3.b i             | 0,0399          | 0,0401          | 0,0001       | 0,33%         | <a href="#">here</a>              |
| 1.A.3.b ii            | 0,00108         | 0,00106         | -0,00001     | -1,15%        | <a href="#">here</a>              |
| 1.A.3.b iii           | 0,0031          | 0,0030          | -0,0001      | -3,34%        | <a href="#">here</a>              |
| 1.A.3.b iv            | 0,00099         | 0,00098         | -0,00001     | -1,19%        | <a href="#">here</a>              |
| 1.A.3.b vi            | 2,809           | 2,805           | -0,004       | -0,14%        | <a href="#">here</a>              |
| 1.A.3.b vii           | 0,587           | 0,586           | -0,002       | -0,28%        | <a href="#">here</a>              |
| 1.A.3.c               | 49,414          | 49,412          | -0,003       | -0,01%        | <a href="#">here</a>              |
| 1.A.3.d ii            | 0,60            | 0,54            | -0,06        | -10,04%       | <a href="#">here</a>              |
| 1.A.4.a i             | 0,046           | 0,043           | -0,003       | -6,78%        | <a href="#">here</a>              |
| 1.A.4.a ii            | 0,000034        | 0,000029        | -0,000005    | -15,33%       | <a href="#">here</a>              |
| 1.A.4.b i             | 0,49            | 0,53            | 0,04         | 7,84%         | <a href="#">here</a>              |

|                            | Submission 2020 | Submission 2021 | Difference   |                 | Reasoning                                |
|----------------------------|-----------------|-----------------|--------------|-----------------|--|
| <b>NFR Sector</b>          | <b>[t]</b>      |                 |              | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b>      | <b>155,32</b>   | <b>146,73</b>   | <b>-8,59</b> | <b>-5,53%</b>   | <b>sub-category chapters</b>             |
| <b>NFR 1 - Energy</b>      | <b>145,59</b>   | <b>138,71</b>   | <b>-6,88</b> | <b>-4,73%</b>   | <b>sub-category chapters</b>             |
| 1.A.4.b ii                 | 0,015           | 0,014           | -0,001       | -4,70%          | <a href="#">here</a>                     |
| 1.A.4.c i                  | 0,0061          | 0,0064          | 0,0003       | 4,52%           | <a href="#">here</a>                     |
| 1.A.4.c ii                 | 0,025           | 0,027           | 0,002        | 9,20%           | <a href="#">here</a>                     |
| 1.A.4.c iii                | 0,057           | 0,059           | 0,002        | 3,03%           | <a href="#">here</a>                     |
| 1.A.5.b                    | 0,0100          | 0,0103          | 0,0003       | 2,99%           | <a href="#">here</a>                     |
| <b>NFR 2 - IPPU</b>        | <b>9,73</b>     | <b>8,02</b>     | <b>-1,71</b> | <b>-17,61%</b>  | <b>sub-category chapters</b>             |
| 2.A.3                      | 0,0568          | 0,0566          | -0,0002      | -0,38%          | <a href="#">here</a>                     |
| 2.G                        | 3,44            | 1,72            | -1,71        | -49,85%         | <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>       |                 |              |                 |  |