

|                                                   |                     |                       |                     |                     |                       |                      |                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                        |                       |                       |                       |                       |                        |                     |                     |
|---------------------------------------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------|---------------------|
| for pollutant-specific information, please click: | <a href="#">NOx</a> | <a href="#">NMVOC</a> | <a href="#">SOx</a> | <a href="#">NH3</a> | <a href="#">PM2.5</a> | <a href="#">PM10</a> | <a href="#">TSP</a> | <a href="#">BC</a> | <a href="#">CO</a> | <a href="#">Pb</a> | <a href="#">Cd</a> | <a href="#">Hg</a> | <a href="#">As</a> | <a href="#">Cr</a> | <a href="#">Cu</a> | <a href="#">Ni</a> | <a href="#">Se</a> | <a href="#">Zn</a> | <a href="#">PCDD/F</a> | <a href="#">B[a]P</a> | <a href="#">B[b]F</a> | <a href="#">B[k]F</a> | <a href="#">I[x]P</a> | <a href="#">PAH1-4</a> | <a href="#">HCB</a> | <a href="#">PCB</a> |
|---------------------------------------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------|---------------------|

## Recalculations - Nickel (Ni)

With no reportable changes within the **National Total** reported for **1990**, the only notable percental changes occur for NFRs **1.A.2.g vii with -1.47 %**, **1.A.4.a ii with -2.16 %** and **1.A.4.c ii with plus 0.01 %** with mutually canceling absolute changes.

Table 1: Changes in emission estimates for 1990

|                            | Submission 2023 | Submission 2024 | Difference  |              | Reasoning                         |
|----------------------------|-----------------|-----------------|-------------|--------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |             | relative     | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>332.75</b>   | <b>332.75</b>   | <b>0.00</b> | <b>0.00%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>305.13</b>   | <b>305.13</b>   | <b>0.00</b> | <b>0.00%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 0.000233        | 0.000230        | -0.000003   | -1.47%       | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.0000319       | 0.0000312       | -0.0000007  | -2.16%       | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0.045793        | 0.045797        | 0.000004    | 0.01%        | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>27.61</b>    | <b>27.61</b>    | <b>0.00</b> | <b>0.00%</b> |                                   |
| <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 significant changes within the **National Total** reported for **2022 (-7.12 t or -4.97 %)** are dominated by a revision in NFR sub-category **1.A.3.c with -5.69 t** together with a variety of revisions throughout NFRs 1, 2 and 5.

However, the most significant percental change occurs in **NFR 1.A.1.b with plus 21.8 %**.

Table 2: Changes in emission estimates for 2022

|                       | Submission 2024 | Submission 2025 | Difference     |               | Reasoning                         |
|-----------------------|-----------------|-----------------|----------------|---------------|-----------------------------------|
| NFR Sector            | [t]             |                 |                | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>143.26</b>   | <b>136.14</b>   | <b>-7.12</b>   | <b>-4.97%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>136.08</b>   | <b>128.97</b>   | <b>-7.11</b>   | <b>-5.22%</b> | <b>sub-category chapters</b>      |
| 1.A.1.a               | 3.430           | 3.410           | -0.02          | -0.58%        | <a href="#">here</a>              |
| 1.A.1.b               | 80.18           | 79.31           | -0.87          | -1.09%        | <a href="#">here</a>              |
| 1.A.1.c               | 0.0262          | 0.0283          | 0.00           | 8.38%         | <a href="#">here</a>              |
| 1.A.2.g vii           | 0.00041         | 0.00042         | 0.00           | 2.36%         | <a href="#">here</a>              |
| 1.A.2.g viii          | 1.62            | 1.97            | 0.35           | 21.78%        | <a href="#">here</a>              |
| 1.A.3.b i             | 0.0384          | 0.0384          | 0.00           | 0.08%         | <a href="#">here</a>              |
| 1.A.3.b ii            | 0.00128         | 0.00126         | -0.00002       | -1.74%        | <a href="#">here</a>              |
| 1.A.3.b iii           | 0.00270         | 0.00273         | 0.00002        | 0.90%         | <a href="#">here</a>              |
| 1.A.3.b iv            | 0.00101         | 0.00099         | -0.00003       | -2.57%        | <a href="#">here</a>              |
| 1.A.3.c               | 46.61           | 40.02           | -6.59          | -14.14%       | <a href="#">here</a>              |
| 1.A.3.d ii            | 0.387           | 0.386           | -0.001         | -0.23%        | <a href="#">here</a>              |
| 1.A.4.a i             | 0.046           | 0.044           | -0.002         | -3.67%        | <a href="#">here</a>              |
| 1.A.4.a ii            | 0.000026        | 0.000022        | -0.000004      | -16.10%       | <a href="#">here</a>              |
| 1.A.4.b i             | 0.50            | 0.53            | 0.03           | 6.27%         | <a href="#">here</a>              |
| 1.A.4.b ii            | 0.011           | 0.010           | -0.001         | -10.16%       | <a href="#">here</a>              |
| 1.A.4.c i             | 0.00533         | 0.00526         | -0.00007       | -1.35%        | <a href="#">here</a>              |
| 1.A.4.c ii            | 0.055           | 0.049           | -0.006         | -10.62%       | <a href="#">here</a>              |
| 1.A.5.b               | 0.003162        | 0.003165        | 0.000003       | 0.10%         | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>   | <b>7.1795</b>   | <b>7.1725</b>   | <b>-0.0070</b> | <b>-0.10%</b> | <b>sub-category chapters</b>      |
| 2.A.3                 | 0.0413          | 0.0417          | 0.0004         | 1.04%         | <a href="#">here</a>              |

|                            | Submission 2024 | Submission 2025 | Difference   |                 | Reasoning                                |
|----------------------------|-----------------|-----------------|--------------|-----------------|------------------------------------------|
| <b>NFR Sector</b>          | <b>[t]</b>      |                 |              | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b>      | <b>143.26</b>   | <b>136.14</b>   | <b>-7.12</b> | <b>-4.97%</b>   | <b>sub-category chapters</b>             |
| <b>NFR 1 - Energy</b>      | <b>136.08</b>   | <b>128.97</b>   | <b>-7.11</b> | <b>-5.22%</b>   | <b>sub-category chapters</b>             |
| 2.G                        | 1.7308          | 1.7234          | -0.0074      | -0.43%          | <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>       |                 |              |                 |                                          |