

|                                 |                 |                  |                 |                 |                   |                  |     |    |    |    |    |    |    |    |    |    |    |    |        |       |       |       |       |        |     |     |
|---------------------------------|-----------------|------------------|-----------------|-----------------|-------------------|------------------|-----|----|----|----|----|----|----|----|----|----|----|----|--------|-------|-------|-------|-------|--------|-----|-----|
| <b>pollutant-specific data:</b> | NO <sub>x</sub> | NM <sub>10</sub> | SO <sub>x</sub> | NH <sub>3</sub> | PM <sub>2.5</sub> | PM <sub>10</sub> | TSP | BC | CO | Pb | Cd | Hg | As | Cr | Cu | Ni | Se | Zn | PCDD/F | B[a]P | B[b]F | B[k]F | I[x]P | PAH1-4 | HCB | PCB |
|---------------------------------|-----------------|------------------|-----------------|-----------------|-------------------|------------------|-----|----|----|----|----|----|----|----|----|----|----|----|--------|-------|-------|-------|-------|--------|-----|-----|

## Recalculations - Chromium (Cr)

With the marginal changes in NFRs **1.A.2.g vii**, **1.A.4.a ii** and **1.A.4.c ii** canceling each other out, the remarkable changes within the **National Total** reported for **1990 (+8.37 t or +5 %)** result entirely from a revision in **NFR 1.A.3.b vi with +8.37 t**, also resembling the strongest percental change with **+68 %**.

Table 1: Changes of emission estimates for 1990

|                            | Submission 2025 | Submission 2026 | Difference  |              | Reasoning                         |
|----------------------------|-----------------|-----------------|-------------|--------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |             | relative     | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>165.69</b>   | <b>174.06</b>   | <b>8.37</b> | <b>5.05%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>122.29</b>   | <b>130.66</b>   | <b>8.37</b> | <b>6.85%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 0.0067865       | 0.0067870       | 0.0000005   | 0.01%        | <a href="#">here</a>              |
| 1.A.3.b vi                 | 12.30           | 20.67           | 8.37        | 68.09%       | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.0013248       | 0.0013244       | -0.0000004  | -0.03%       | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0.041945        | 0.041943        | -0.000002   | -0.005%      | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>3.52</b>     | <b>3.52</b>     | <b>0.00</b> | <b>0.00%</b> |                                   |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>       |                 |             |              |                                   |
| <b>NFR 5 - Waste</b>       | <b>0.03</b>     | <b>0.03</b>     | <b>0.00</b> | <b>0.00%</b> |                                   |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |             |              |                                   |

The significant changes within the **National Total** reported for **2023 (+8.75 t or +13.33 %)** are by far dominated by a revision in NFR sub-category **1.A.3.b vi with +9 t**, also resembling the strongest perental change with **+50 %**.

In addition, emission estimates were revised for a variety of sub-categories throughout NFRs 1, 2 and 5.

Table 2: Changes of emission estimates for 2023

|                       | Submission 2025 | Submission 2026 | Difference   |               | Reasoning                         |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector            | [t]             |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>65,59</b>    | <b>74,34</b>    | <b>8,746</b> | <b>13,33%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>49,95</b>    | <b>58,69</b>    | <b>8,742</b> | <b>17,50%</b> | <b>sub-category chapters</b>      |
| 1.A.1.a               | 3,11            | 3,11            | 0,004        | 0,13%         | <a href="#">here</a>              |
| 1.A.1.b               | 1,43            | 1,45            | 0,020        | 1,37%         | <a href="#">here</a>              |
| 1.A.1.c               | 0,041           | 0,047           | 0,006        | 13,60%        | <a href="#">here</a>              |
| 1.A.2.g vii           | 0,0053          | 0,0068          | 0,0015       | 28,08%        | <a href="#">here</a>              |
| 1.A.2.g viii          | 0,18            | 0,16            | -0,02        | -9,08%        | <a href="#">here</a>              |
| 1.A.3.a i(i)          | 0,000000062     | 0,000000063     | 0,000000001  | 2,34%         | <a href="#">here</a>              |
| 1.A.3.a ii(i)         | 0,00000312      | 0,00000320      | 0,00000007   | 2,34%         | <a href="#">here</a>              |
| 1.A.3.b i             | 0,2155          | 0,2152          | -0,0003      | -0,16%        | <a href="#">here</a>              |
| 1.A.3.b ii            | 0,0351          | 0,0347          | -0,0004      | -1,02%        | <a href="#">here</a>              |
| 1.A.3.b iii           | 0,109           | 0,108           | -0,001       | -0,79%        | <a href="#">here</a>              |
| 1.A.3.b iv            | 0,00240         | 0,00238         | -0,00002     | -0,84%        | <a href="#">here</a>              |
| 1.A.3.b vi            | 17,92           | 26,92           | 9,00         | 50,19%        | <a href="#">here</a>              |
| 1.A.3.b vii           | 1,10            | 1,03            | -0,07        | -6,33%        | <a href="#">here</a>              |
| 1.A.3.d ii            | 0,025           | 0,024           | -0,001       | -4,34%        | <a href="#">here</a>              |
| 1.A.4.a i             | 2,41            | 2,23            | -0,18        | -7,40%        | <a href="#">here</a>              |
| 1.A.4.a ii            | 0,0009          | 0,0012          | 0,0003       | 38,53%        | <a href="#">here</a>              |
| 1.A.4.b i             | 2,71            | 2,70            | -0,009       | -0,35%        | <a href="#">here</a>              |
| 1.A.4.b ii            | 0,0063          | 0,0060          | -0,0003      | -4,73%        | <a href="#">here</a>              |
| 1.A.4.c ii            | 0,044           | 0,035           | -0,009       | -20,10%       | <a href="#">here</a>              |
| 1.A.5.b               | 0,000534        | 0,000528        | -0,000006    | -1,12%        | <a href="#">here</a>              |

|                            | Submission 2025 | Submission 2026 | Difference      |                 | Reasoning                                |
|----------------------------|-----------------|-----------------|-----------------|-----------------|------------------------------------------|
| <b>NFR Sector</b>          | <b>[t]</b>      |                 |                 | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b>      | <b>65,59</b>    | <b>74,34</b>    | <b>8,746</b>    | <b>13,33%</b>   | <b>sub-category chapters</b>             |
| <b>NFR 1 - Energy</b>      | <b>49,95</b>    | <b>58,69</b>    | <b>8,742</b>    | <b>17,50%</b>   | <b>sub-category chapters</b>             |
| <b>NFR 2 - IPPU</b>        | <b>15,616</b>   | <b>15,619</b>   | <b>0,002922</b> | <b>0,02%</b>    | <b>sub-category chapters</b>             |
| 2.A.3                      | 0,090           | 0,090           | -0,000502       | -0,56%          | <a href="#">here</a>                     |
| 2.G                        | 0,873           | 0,876           | 0,003424        | 0,39%           | <a href="#">here</a>                     |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>       |                 |                 |                 |                                          |
| <b>NFR 5 - Waste</b>       | <b>0,033</b>    | <b>0,034</b>    | <b>0,001</b>    | <b>3,72%</b>    | <b>sub-category chapters</b>             |
| 5.E                        | 0,033           | 0,034           | 0,001           | 3,72%           | <a href="#">here</a>                     |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |                 |                 |                                          |