

|                                                   |                     |                       |                     |                     |                       |                      |                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                        |                       |                       |                       |                       |                        |                     |                     |
|---------------------------------------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------|---------------------|
| 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 - Arsenic (As)

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 -1.93 %**, **1.A.4.a ii with -2.16 %** and **1.A.4.c ii with plus 1.10 %** with mutually canceling absolute changes.

Table 1: Changes of emission estimates for 1990

|                            | Submission 2024 | Submission 2025 | Difference   |              | Reasoning                         |
|----------------------------|-----------------|-----------------|--------------|--------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |              | relative     | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>85.92</b>    | <b>86.16</b>    | <b>0.25</b>  | <b>0.29%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>82.37</b>    | <b>82.61</b>    | <b>0.25</b>  | <b>0.30%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 0.000087208     | 0.000087215     | 0.000000007  | 0.01%        | <a href="#">here</a>              |
| 1.A.3.b vi                 | 0.38            | 0.63            | 0.25         | 65.10%       | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.000015586     | 0.000015581     | -0.000000004 | -0.03%       | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0.000188308     | 0.000188305     | -0.000000003 | -0.001%      | <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 changes within the **National Total** reported for **2022 (+0.18 t or +3.19 %)** are dominated by a revision in NFR sub-category **1.A.1.b with plus 0.18 t** together with a variety of revisions throughout NFRs 1, 2 and 5.

Here, the most significant percental change occurs in **NFR 1.A.1.b with plus 18.6 %**.

Table 2: Changes of emission estimates for 2022

|                       | Submission 2024 | Submission 2025 | Difference   |              | Reasoning                         |
|-----------------------|-----------------|-----------------|--------------|--------------|-----------------------------------|
| NFR Sector            | [t]             |                 |              | relative     | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>5.58</b>     | <b>5.76</b>     | <b>0.18</b>  | <b>3.19%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>4.53</b>     | <b>4.71</b>     | <b>0.17</b>  | <b>3.80%</b> | <b>sub-category chapters</b>      |
| 1.A.1.a               | 2.17            | 2.16            | -0.01        | -0.38%       | <a href="#">here</a>              |
| 1.A.1.b               | 0.99            | 1.17            | 0.18         | 18.60%       | <a href="#">here</a>              |
| 1.A.1.c               | 0.0053          | 0.0057          | 0.0004       | 8.50%        | <a href="#">here</a>              |
| 1.A.2.g vii           | 0.000099        | 0.000097        | -0.000002    | -2.15%       | <a href="#">here</a>              |
| 1.A.2.g viii          | 0.187           | 0.192           | 0.005        | 2.65%        | <a href="#">here</a>              |
| 1.A.3.b i             | 0.006017        | 0.006022        | 0.000005     | 0.08%        | <a href="#">here</a>              |
| 1.A.3.b ii            | 0.000464        | 0.000456        | -0.000008    | -1.73%       | <a href="#">here</a>              |
| 1.A.3.b iii           | 0.00132         | 0.00134         | 0.00001      | 0.90%        | <a href="#">here</a>              |
| 1.A.3.b iv            | 0.000132        | 0.000129        | -0.000003    | -2.57%       | <a href="#">here</a>              |
| 1.A.3.d ii            | 0.011353        | 0.011351        | -0.000001    | -0.01%       | <a href="#">here</a>              |
| 1.A.4.a i             | 0.47            | 0.45            | -0.02        | -3.70%       | <a href="#">here</a>              |
| 1.A.4.a ii            | 0.000013        | 0.000011        | -0.000002    | -16.10%      | <a href="#">here</a>              |
| 1.A.4.b i             | 0.138           | 0.146           | 0.008        | 6.16%        | <a href="#">here</a>              |
| 1.A.4.b ii            | 0.000023        | 0.000024        | 0.000001     | 2.17%        | <a href="#">here</a>              |
| 1.A.4.c i             | 0.00098         | 0.00097         | -0.00001     | -1.35%       | <a href="#">here</a>              |
| 1.A.4.c ii            | 0.000209        | 0.000212        | 0.000003     | 1.65%        | <a href="#">here</a>              |
| 1.A.5.b               | 0.000137        | 0.000138        | 0.000001     | 0.60%        | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>   | <b>1.019</b>    | <b>1.021</b>    | <b>0.002</b> | <b>0.15%</b> | <b>sub-category chapters</b>      |

|                     | Submission 2024 | Submission 2025 | Difference |          | Reasoning                         |
|---------------------|-----------------|-----------------|------------|----------|-----------------------------------|
| NFR Sector          | [t]             |                 |            | relative | see description and reasoning in: |
| NATIONAL TOTAL      | 5.58            | 5.76            | 0.18       | 3.19%    | sub-category chapters             |
| NFR 1 - Energy      | 4.53            | 4.71            | 0.17       | 3.80%    | sub-category chapters             |
| 2.A.3               | 0.195           | 0.197           | 0.002      | 0.77%    | <a href="#">here</a>              |
| NFR 3 - Agriculture | NA              |                 |            |          | sub-category chapters             |
| NFR 5 - Waste       | 0.030           | 0.034           | 0.004      | 13.82%   | sub-category chapters             |
| 5.E                 | 0.030           | 0.034           | 0.004      | 13.82%   | <a href="#">here</a>              |
| NFR 6 - Other       | NA              |                 |            |          |                                   |