

## 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

| NFR Sector                 | Submission 2024 | Submission 2025 | Difference  |              | Reasoning  |
|----------------------------|-----------------|-----------------|-------------|--------------|--|
|                            | [t]             |                 |             | relative     |  |
| <b>NATIONAL TOTAL</b>      | <b>85.92</b>    | <b>85.92</b>    | <b>0.00</b> | <b>0.00%</b> | <b>see description and reasoning in: sub-category chapters</b> |
| <b>NFR 1 - Energy</b>      | <b>82.37</b>    | <b>82.37</b>    | <b>0.00</b> | <b>0.00%</b> | <b>sub-category chapters</b>                                   |
| 1.A.2.g vii                | 0.000089        | 0.000087        | -0.000002   | -1.93%       | <a href="#">here</a>   |
| 1.A.4.a ii                 | 0.0000159       | 0.0000156       | -0.0000003  | -2.16%       | <a href="#">here</a>   |
| 1.A.4.c ii                 | 0.000186        | 0.000188        | 0.000002    | 1.10%        | <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 **2021 (+0.08 t or +1.53 %)** result from a **variety of revisions throughout NFRs 1, 2 and 5**.

The significant percental change occurring in NFR 1.A.3.b iii (+130 %) results from a correction of erroneous data reported with the previous submission.

Table 2: Changes of emission estimates for 2021

| NFR Sector            | Submission 2023 | Submission 2024 | Difference    |              | Reasoning  |
|-----------------------|-----------------|-----------------|---------------|--------------|--|
|                       | [t]             |                 |               | relative     |  |
| <b>NATIONAL TOTAL</b> | <b>5.34</b>     | <b>5.42</b>     | <b>0.08</b>   | <b>1.53%</b> | <b>see description and reasoning in: sub-category chapters</b> |
| <b>NFR 1 - Energy</b> | <b>4.26</b>     | <b>4.34</b>     | <b>0.08</b>   | <b>1.96%</b> | <b>sub-category chapters</b>                                   |
| 1.A.1.a               | 1.97            | 2.01            | 0.04          | 1.87%        | <a href="#">here</a>   |
| 1.A.1.b               | 0.87            | 0.92            | 0.04          | 5.11%        | <a href="#">here</a>   |
| 1.A.1.c               | 0.0053          | 0.0057          | 0.0004        | 6.67%        | <a href="#">here</a>   |
| 1.A.2.g vii           | 0.00014         | 0.00011         | -0.00003      | -23.0%       | <a href="#">here</a>   |
| 1.A.2.g viii          | 0.21            | 0.20            | -0.01         | -4.73%       | <a href="#">here</a>   |
| 1.A.3.a i(i)          | 0.000000017     | 0.000000017     | -0.000000001  | -5.24%       | <a href="#">here</a>   |
| 1.A.3.a ii(i)         | 0.0000002202    | 0.0000002203    | 0.0000000002  | 0.07%        | <a href="#">here</a>   |
| 1.A.3.b i             | 0.005752        | 0.005744        | -0.000009     | -0.15%       | <a href="#">here</a>   |
| 1.A.3.b ii            | 0.000454        | 0.000446        | -0.000007     | -1.63%       | <a href="#">here</a>   |
| 1.A.3.b iii           | 0.0006          | 0.0014          | 0.0008        | 130%         | <a href="#">here</a>   |
| 1.A.3.b iv            | 0.000120        | 0.000121        | 0.000001      | 1.02%        | <a href="#">here</a>   |
| 1.A.3.b vi            | 0.5071          | 0.5078          | 0.0007        | 0.14%        | <a href="#">here</a>   |
| 1.A.3.b vii           | 0.036765        | 0.036777        | 0.000013      | 0.03%        | <a href="#">here</a>   |
| 1.A.3.c               | 0.00125525      | 0.00125527      | 0.00000002    | 0.002%       | <a href="#">here</a>   |
| 1.A.3.d ii            | 0.014526        | 0.014530        | 0.000004      | 0.02%        | <a href="#">here</a>   |
| 1.A.4.a i             | 0.47            | 0.48            | 0.01          | 2.14%        | <a href="#">here</a>   |
| 1.A.4.a ii            | 0.000014        | 0.000015        | 0.000001      | 6.02%        | <a href="#">here</a>   |
| 1.A.4.b i             | 0.156809        | 0.156815        | 0.000006      | 0.004%       | <a href="#">here</a>   |
| 1.A.4.b ii            | 0.000022        | 0.000023        | 0.000001      | 4.60%        | <a href="#">here</a>   |
| 1.A.4.c i             | 0.001102        | 0.001105        | 0.000003      | 0.27%        | <a href="#">here</a>   |
| 1.A.4.c ii            | 0.00016         | 0.00021         | 0.00005       | 29.3%        | <a href="#">here</a>   |
| 1.A.5.b               | 0.000124161     | 0.000124163     | 0.000000002   | 0.002%       | <a href="#">here</a>   |
| <b>NFR 2 - IPPU</b>   | <b>1.0507</b>   | <b>1.0509</b>   | <b>0.0002</b> | <b>0.02%</b> | <b>sub-category chapters</b>                                   |

|                            | Submission 2023 | Submission 2024 | Difference    |                 | Reasoning                                |
|----------------------------|-----------------|-----------------|---------------|-----------------|--|
| <b>NFR Sector</b>          | <b>[t]</b>      |                 |               | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b>      | <b>5.34</b>     | <b>5.42</b>     | <b>0.08</b>   | <b>1.53%</b>    | <b>sub-category chapters</b>             |
| <b>NFR 1 - Energy</b>      | <b>4.26</b>     | <b>4.34</b>     | <b>0.08</b>   | <b>1.96%</b>    | <b>sub-category chapters</b>             |
| 2.A.3                      | 0.1923          | 0.1926          | 0.0002        | 0.13%           | <a href="#">here</a>                     |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>       |                 |               |                 |  |
| <b>NFR 5 - Waste</b>       | <b>0.031</b>    | <b>0.029</b>    | <b>-0.002</b> | <b>-5.81%</b>   | <b>sub-category chapters</b>             |
| 5.E                        | 0.031           | 0.029           | -0.002        | -5.81%          | <a href="#">here</a>                     |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |               |                 |  |