

# Arsenic (As)

## Revisions of Arsenic emissions over time:

The changes in the **National Total reported for 1990 (-1.05 t | -1.20 %)** are dominated by revisions in **NFR 2.C.7.a (-2.45 t)**. In addition, several rather negligible revisions occur throughout NFR 1.

Table 1: Changes of emission estimates for 1990

|                        | Submission<br>2020 | Submission<br>2021 | Difference |          | Reasoning                            |
|------------------------|--------------------|--------------------|------------|----------|--------------------------------------|
| NFR Sector             | [t]                |                    |            | relative | see description<br>and reasoning in: |
| NATIONAL TOTAL         | 86,90              | 85,85              | -1,05      | -1,20%   | sub-category<br>chapters             |
| NFR 1 - Energy         | 82,51              | 82,50              | 0,00       | 0,00%    | sub-category<br>chapters             |
| 1.A.2.g vii            | 0,000120           | 0,000122           | 0,000002   | 1,51%    | <a href="#">here</a>                 |
| 1.A.3.a i(i)           | NE                 | 0,0000002          | 0,0000002  |          | <a href="#">here</a>                 |
| 1.A.3.a ii(i)          | 0,000017           | 0,000003           | -0,000014  | -84,90%  | <a href="#">here</a>                 |
| 1.A.3.b i              | 0,00939            | 0,00941            | 0,00003    | 0,27%    | <a href="#">here</a>                 |
| 1.A.3.b ii             | 0,00031            | 0,00025            | -0,00006   | -18,58%  | <a href="#">here</a>                 |
| 1.A.3.b iii            | 0,00101            | 0,00106            | 0,00004    | 4,14%    | <a href="#">here</a>                 |
| 1.A.3.b iv             | 0,00016            | 0,00015            | -0,00001   | -6,18%   | <a href="#">here</a>                 |
| 1.A.3.b vi             | 0,381              | 0,380              | -0,001     | -0,30%   | <a href="#">here</a>                 |
| 1.A.4.a ii             | 0,0000181          | 0,0000183          | 0,0000002  | 0,94%    | <a href="#">here</a>                 |
| 1.A.4.c ii             | 0,000153           | 0,000151           | -0,000002  | -1,29%   | <a href="#">here</a>                 |
| NFR 2 - IPPU           | 4,36               | 3,32               | -1,04      | -23,94%  | sub-category<br>chapters             |
| 2.C.7.a                | 4,15               | 3,13               | -1,02      | -24,57%  | <a href="#">here</a>                 |
| 2.G                    | 0,02               | NA                 | -0,02      | -100%    | <a href="#">here</a>                 |
| NFR 3 -<br>Agriculture | NA                 |                    |            |          |                                      |
| NFR 5 - Waste          | 0,03               | 0,03               | 0,00       | 0,00%    |                                      |
| NFR 6 - Other          | NA                 |                    |            |          |                                      |

The changes in the **National Total reported for 2018 (-2.67 t | -30.6 %)** are dominated by revisions in **NFR 2.C.7.a (-1.02 t)**. In addition, several rather negligible revisions occur throughout NFR 1.

Table 2: Changes of emission estimates for 2018

|            | Submission<br>2020 | Submission<br>2021 | Difference |                                      | Reasoning |
|------------|--------------------|--------------------|------------|--------------------------------------|-----------|
| NFR Sector | [t]                |                    | relative   | see description<br>and reasoning in: |           |

|            | Submission<br>2020 | Submission<br>2021 | Difference |          | Reasoning                            |
|------------|--------------------|--------------------|------------|----------|--------------------------------------|
| NFR Sector | [t]                |                    |            | relative | see description<br>and reasoning in: |

|                                |               |               |              |                |                                  |
|--------------------------------|---------------|---------------|--------------|----------------|----------------------------------|
| <b>NATIONAL TOTAL</b>          | <b>8,747</b>  | <b>6,072</b>  | <b>-2,67</b> | <b>-30,58%</b> | <b>sub-category<br/>chapters</b> |
| <b>NFR 1 - Energy</b>          | <b>4,982</b>  | <b>4,825</b>  | <b>-0,16</b> | <b>-3,15%</b>  | <b>sub-category<br/>chapters</b> |
| 1.A.1.a                        | 2,488         | 2,503         | 0,01         | 0,59%          | <a href="#">here</a>             |
| 1.A.1.b                        | 1,062         | 0,937         | -0,12        | -11,77%        | <a href="#">here</a>             |
| 1.A.1.c                        | 0,006         | 0,007         | 0,000        | 7,51%          | <a href="#">here</a>             |
| 1.A.2.g vii                    | 0,00012       | 0,00013       | 0,00001      | 6,12%          | <a href="#">here</a>             |
| 1.A.2.g viii                   | 0,212         | 0,209         | -0,003       | -1,31%         | <a href="#">here</a>             |
| 1.A.3.a i(i)                   | NE            | 0,0000001     | 0,0000001    |                | <a href="#">here</a>             |
| 1.A.3.a ii(i)                  | 0,000003      | 0,000002      | -0,000001    | -36,34%        | <a href="#">here</a>             |
| 1.A.3.b i                      | 0,0063        | 0,0064        | 0,0001       | 0,83%          | <a href="#">here</a>             |
| 1.A.3.b ii                     | 0,000400      | 0,000402      | 0,000002     | 0,46%          | <a href="#">here</a>             |
| 1.A.3.b iii                    | 0,00153       | 0,00148       | -0,00005     | -3,34%         | <a href="#">here</a>             |
| 1.A.3.b iv                     | 0,000129      | 0,000128      | -0,000002    | -1,19%         | <a href="#">here</a>             |
| 1.A.3.b vi                     | 0,5574        | 0,5566        | -0,0008      | -0,14%         | <a href="#">here</a>             |
| 1.A.3.b vii                    | 0,0402        | 0,0401        | -0,0001      | -0,28%         | <a href="#">here</a>             |
| 1.A.3.c                        | 0,001309      | 0,001305      | -0,000004    | -0,29%         | <a href="#">here</a>             |
| 1.A.3.d ii                     | 0,0195        | 0,0184        | -0,0011      | -5,68%         | <a href="#">here</a>             |
| 1.A.4.a i                      | 0,41          | 0,36          | -0,05        | -11,92%        | <a href="#">here</a>             |
| 1.A.4.a ii                     | 0,000017      | 0,000014      | -0,000003    | -15,33%        | <a href="#">here</a>             |
| 1.A.4.b i                      | 0,172         | 0,179         | 0,006        | 3,76%          | <a href="#">here</a>             |
| 1.A.4.b ii                     | 0,00002916    | 0,00002917    | 0,00000001   | 0,02%          | <a href="#">here</a>             |
| 1.A.4.c i                      | 0,0012        | 0,0013        | 0,0001       | 5,86%          | <a href="#">here</a>             |
| 1.A.4.c ii                     | 0,000146      | 0,000142      | -0,000003    | -2,24%         | <a href="#">here</a>             |
| 1.A.4.c iii                    | 0,0023        | 0,0024        | 0,0001       | 3,03%          | <a href="#">here</a>             |
| 1.A.5.b                        | 0,000         | 0,000         | 0,00         | 2,89%          | <a href="#">here</a>             |
| <b>NFR 2 - IPPU</b>            | <b>3,7337</b> | <b>1,2161</b> | <b>-2,52</b> | <b>-67,43%</b> | <b>sub-category<br/>chapters</b> |
| 2.C.7.a                        | 3,32          | 0,87          | -2,45        | -73,93%        | <a href="#">here</a>             |
| 2.G                            | 0,06          | NA            | -0,06        | -100%          | <a href="#">here</a>             |
| <b>NFR 3 -<br/>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>     |               |              |                |                                  |