

## Recalculations - Arsenic (As)

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 2020 | Submission 2021 | Difference   |                | Reasoning                         |
|----------------------------|-----------------|-----------------|--------------|----------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |              | relative       | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>86,90</b>    | <b>85,85</b>    | <b>-1,05</b> | <b>-1,20%</b>  | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>82,51</b>    | <b>82,50</b>    | <b>0,00</b>  | <b>0,00%</b>   | <b>sub-category chapters</b>      |
| 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>              |
| <b>NFR 2 - IPPU</b>        | <b>4,36</b>     | <b>3,32</b>     | <b>-1,04</b> | <b>-23,94%</b> | <b>sub-category chapters</b>      |
| 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>              |
| <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 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 2020 | Submission 2021 | Difference   |                | Reasoning                         |
|-----------------------|-----------------|-----------------|--------------|----------------|-----------------------------------|
| NFR Sector            | [t]             |                 |              | relative       | see description 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 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 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>              |

|                            | Submission 2020 | Submission 2021 | Difference   |                 | Reasoning                                |
|----------------------------|-----------------|-----------------|--------------|-----------------|------------------------------------------|
| <b>NFR Sector</b>          | <b>[t]</b>      |                 |              | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b>      | <b>8,747</b>    | <b>6,072</b>    | <b>-2,67</b> | <b>-30,58%</b>  | <b>sub-category 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 chapters</b>             |
| 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 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 - 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>       |                 |              |                 |                                          |