

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

| NFR Sector | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|---------------|---|
| | | [t] | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 85,85 | 85,92 | 0,07 | 0,08% | sub-category chapters |
| NFR 1 - Energy | 82,50 | 82,37 | -0,14 | -0,17% | sub-category chapters |
| 1.A.1.a | 34,68 | 34,68 | 0,00 | 0,00% | here |
| 1.A.1.b | 1,13 | 1,13 | 0,00 | 0,00% | here |
| 1.A.1.c | 29,52 | 29,52 | 0,00 | 0,00% | here |
| 1.A.2.a | NE | NE | #WERT! | #WERT! | here |
| 1.A.2.b | NE | NE | #WERT! | #WERT! | here |
| 1.A.2.c | IE | IE | #WERT! | #WERT! | here |
| 1.A.2.d | IE | IE | #WERT! | #WERT! | here |
| 1.A.2.e | NE | NE | #WERT! | #WERT! | here |
| 1.A.2.f | IE | IE | #WERT! | #WERT! | here |
| 1.A.2.g vii | 0,0001 | 0,0001 | 0,0000 | 0,00% | here |
| 1.A.2.g viii | 14,04 | 14,04 | 0,00 | 0,00% | here |
| 1.A.3.a i(i) | 0,0000002 | 0,0000001 | -0,0000001 | -33,33% | here |
| 1.A.3.a ii(i) | 0,000003 | 0,000002 | -0,000001 | -33,33% | here |
| 1.A.3.b i | 0,01 | 0,01 | 0,00 | 0,00% | here |
| 1.A.3.b ii | 0,00025 | 0,00025 | 0,00 | 0,00% | here |
| 1.A.3.b iii | 0,001 | 0,001 | 0,00 | 0,00% | here |
| 1.A.3.b iv | 0,0001 | 0,0001 | 0,00 | 0,00% | here |
| 1.A.3.b v | NA | NA | #WERT! | #WERT! | here |
| 1.A.3.b vi | 0,380 | 0,380 | 0,00 | 0,00% | here |
| 1.A.3.b vii | 0,03 | 0,03 | 0,00 | 0,00% | here |
| 1.A.3.c | 0,00 | 0,01 | 0,01 | 500,33% | here |
| 1.A.3.d i(ii) | IE | IE | #WERT! | #WERT! | |
| 1.A.3.d ii | 0,21 | 0,06 | -0,15 | -71,20% | here |
| 1.A.3.e i | NA | NA | #WERT! | #WERT! | 1.A.3.e i - Pipeline Transport] |
| 1.A.3.e ii | NA | NA | #WERT! | #WERT! | 1.A.3.e ii - Other Transport: Other] |
| 1.A.4.a i | 0,44 | 0,44 | 0,00 | 0,00% | here |
| 1.A.4.a ii | 0,0000183 | 0,0000183 | 0,00 | 0,00% | here |
| 1.A.4.b i | 1,96 | 1,96 | 0,00 | 0,00% | here |
| 1.A.4.b ii | 0,00001478 | 0,00001478 | -0,00000001 | -0,04% | here |
| 1.A.4.c i | 0,11 | 0,11 | 0,00 | 0,00% | here |
| 1.A.4.c ii | 0,0002 | 0,0002 | 0,0000 | 0,00% | here |
| 1.A.4.c iii | 0,00 | 0,00 | 0,00 | -20,39% | here |
| 1.A.5.a | NE | NE | #WERT! | #WERT! | here |
| 1.A.5.b | 0,001 | 0,003 | 0,002 | 181,41% | here |
| 1.B.1.a | NA | NA | #WERT! | #WERT! | here |
| 1.B.1.b | NA | NA | #WERT! | #WERT! | here |
| 1.B.1.c | NA | NA | #WERT! | #WERT! | here |
| 1.B.2.a i | NA | NA | #WERT! | #WERT! | |
| 1.B.2.a iv | NA | NA | #WERT! | #WERT! | |
| 1.B.2.a v | NA | NA | #WERT! | #WERT! | |
| 1.B.2.b | NA | NA | #WERT! | #WERT! | |
| 1.B.2.c | NA | NA | #WERT! | #WERT! | |
| 1.B.2.d | NA | NA | #WERT! | #WERT! | |
| NFR 2 - IPPU | 3,32 | 3,52 | 0,21 | 6,23% | sub-category chapters |

| | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|----------------|-----------------------------------|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 85,85 | 85,92 | 0,07 | 0,08% | sub-category chapters |
| NFR 1 - Energy | 82,50 | 82,37 | -0,14 | -0,17% | sub-category chapters |
| 2.A.1 | NE | NE | #WERT! | #WERT! | here |
| 2.A.2 | NA | NA | #WERT! | #WERT! | here |
| 2.A.3 | 0,07 | 0,28 | 0,21 | 286,05% | here |
| 2.A.5.a | NA | NA | #WERT! | #WERT! | here |
| 2.A.5.b | NA | NA | #WERT! | #WERT! | here |
| 2.A.5.c | NA | NA | #WERT! | #WERT! | here |
| 2.A.6 | NA | NA | #WERT! | #WERT! | here |
| 2.B.1 | NA | NA | #WERT! | #WERT! | here |
| 2.B.2 | NA | NA | #WERT! | #WERT! | here |
| 2.B.3 | NA | NA | #WERT! | #WERT! | here |
| 2.B.5 | NA | NA | #WERT! | #WERT! | here |
| 2.B.6 | NA | NA | #WERT! | #WERT! | here |
| 2.B.7 | NA | NA | #WERT! | #WERT! | here |
| 2.B.10.a | NA | NA | #WERT! | #WERT! | here |
| 2.B.10.b | NA | NA | #WERT! | #WERT! | here |
| 2.C.1 | NA | NE | #WERT! | #WERT! | here |
| 2.C.2 | NA | NA | #WERT! | #WERT! | here |
| 2.C.3 | NA | NA | #WERT! | #WERT! | here |
| 2.C.4 | NE | NE | #WERT! | #WERT! | here |
| 2.C.5 | 0,03 | 0,03 | 0,00 | 0,00% | here |
| 2.C.6 | 0,08 | 0,08 | 0,00 | 0,00% | here |
| 2.C.7.a | 3,13 | 3,13 | 0,00 | 0,00% | here |
| 2.C.7.b | NE | NE | #WERT! | #WERT! | here |
| 2.C.7.c | NA | NA | #WERT! | #WERT! | here |
| 2.C.7.d | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.a | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.b | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.c | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.d | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.e | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.f | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.g | NA | 0,0002 | #WERT! | #WERT! | here |
| 2.D.3.h | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.i | NA | NA | #WERT! | #WERT! | here |
| 2.G | NA | NA | #WERT! | #WERT! | here |
| 2.H.1 | NA | NA | #WERT! | #WERT! | here |
| 2.H.2 | NA | NA | #WERT! | #WERT! | here |
| 2.H.3 | NA | NA | #WERT! | #WERT! | here |
| 2.I | NA | NA | #WERT! | #WERT! | here |
| 2.J | NA | NA | #WERT! | #WERT! | here |
| 2.K | NE | NE | #WERT! | #WERT! | here |
| 2.L | NA | NA | #WERT! | #WERT! | here |
| NFR 3 - Agriculture | 0,00 | 0,00 | 0,00 | #DIV/0! | sub-category chapters |
| 3.B.1.a | NA | NA | #WERT! | #WERT! | here |
| 3.B.1.b | NA | NA | #WERT! | #WERT! | here |
| 3.B.2 | NA | NA | #WERT! | #WERT! | here |
| 3.B.3 | NA | NA | #WERT! | #WERT! | here |
| 3.B.4.a | NO | NO | #WERT! | #WERT! | here |
| 3.B.4.d | NA | NA | #WERT! | #WERT! | here |
| 3.B.4.e | NA | NA | #WERT! | #WERT! | here |
| 3.B.4.f | NA | NA | #WERT! | #WERT! | here |
| 3.B.4.g i | NA | NA | #WERT! | #WERT! | here |

| | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 85,85 | 85,92 | 0,07 | 0,08% | sub-category chapters |
| NFR 1 - Energy | 82,50 | 82,37 | -0,14 | -0,17% | sub-category chapters |
| 3.B.4.g ii | NA | NA | #WERT! | #WERT! | here |
| 3.B.4.g iii | NA | NA | #WERT! | #WERT! | here |
| 3.B.4.g iv | NA | NA | #WERT! | #WERT! | here |
| 3.B.4.h | NA | NA | #WERT! | #WERT! | here |
| 3.D.a.1 | NA | NA | #WERT! | #WERT! | here |
| 3.D.a.2.a | NA | NA | #WERT! | #WERT! | here |
| 3.D.a.2.b | NA | NA | #WERT! | #WERT! | here |
| 3.D.a.2.c | NA | NA | #WERT! | #WERT! | here |
| 3.D.a.3 | NA | NA | #WERT! | #WERT! | here |
| 3.D.a.4 | NA | NA | #WERT! | #WERT! | here |
| 3.D.b | NA | NA | #WERT! | #WERT! | here |
| 3.D.c | NA | NA | #WERT! | #WERT! | here |
| 3.D.d | NA | NA | #WERT! | #WERT! | here |
| 3.D.e | NA | NA | #WERT! | #WERT! | here |
| 3.D.f | NA | NA | #WERT! | #WERT! | here |
| 3.F | NO | NO | #WERT! | #WERT! | |
| 3.I | NA | NA | #WERT! | #WERT! | here |
| NFR 5 - Waste | 0,03 | 0,03 | 0,00 | 0,00% | sub-category chapters |
| 5.A | NA | NA | #WERT! | #WERT! | here |
| 5.B.1 | NA | NA | #WERT! | #WERT! | here |
| 5.B.2 | NA | NA | #WERT! | #WERT! | here |
| 5.C.1.a | NO | NO | #WERT! | #WERT! | |
| 5.C.1.b i | NO | NO | #WERT! | #WERT! | |
| 5.C.1.b ii | NO | NO | #WERT! | #WERT! | |
| 5.C.1.b iii | NO | NO | #WERT! | #WERT! | |
| 5.C.1.b iv | NO | NO | #WERT! | #WERT! | |
| 5.C.1.b v | NE | NE | #WERT! | #WERT! | here |
| 5.C.1.b vi | NA | NA | #WERT! | #WERT! | |
| 5.C.2 | NE | NE | #WERT! | #WERT! | here |
| 5.D.1 | NA | NA | #WERT! | #WERT! | here |
| 5.D.2 | NA | NA | #WERT! | #WERT! | here |
| 5.D.3 | NO | NO | #WERT! | #WERT! | |
| 5.E | 0,03 | 0,03 | 0,00 | 0,00% | here |
| 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 2020 | Submission 2021 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|----------------|-----------------------------------|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 8,747 | 6,072 | -2,67 | -30,58% | sub-category chapters |
| NFR 1 - Energy | 4,982 | 4,825 | -0,16 | -3,15% | sub-category chapters |
| 1.A.1.a | 2,488 | 2,503 | 0,01 | 0,59% | here |
| 1.A.1.b | 1,062 | 0,937 | -0,12 | -11,77% | here |
| 1.A.1.c | 0,006 | 0,007 | 0,000 | 7,51% | here |
| 1.A.2.g vii | 0,00012 | 0,00013 | 0,00001 | 6,12% | here |
| 1.A.2.g viii | 0,212 | 0,209 | -0,003 | -1,31% | here |
| 1.A.3.a i(i) | NE | 0,0000001 | 0,0000001 | | here |
| 1.A.3.a ii(i) | 0,000003 | 0,000002 | -0,000001 | -36,34% | here |
| 1.A.3.b i | 0,0063 | 0,0064 | 0,0001 | 0,83% | here |
| 1.A.3.b ii | 0,000400 | 0,000402 | 0,000002 | 0,46% | here |

| | Submission 2020 | Submission 2021 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|-----------------|--|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 8,747 | 6,072 | -2,67 | -30,58% | sub-category chapters |
| NFR 1 - Energy | 4,982 | 4,825 | -0,16 | -3,15% | sub-category chapters |
| 1.A.3.b iii | 0,00153 | 0,00148 | -0,00005 | -3,34% | here |
| 1.A.3.b iv | 0,000129 | 0,000128 | -0,000002 | -1,19% | here |
| 1.A.3.b vi | 0,5574 | 0,5566 | -0,0008 | -0,14% | here |
| 1.A.3.b vii | 0,0402 | 0,0401 | -0,0001 | -0,28% | here |
| 1.A.3.c | 0,001309 | 0,001305 | -0,000004 | -0,29% | here |
| 1.A.3.d ii | 0,0195 | 0,0184 | -0,0011 | -5,68% | here |
| 1.A.4.a i | 0,41 | 0,36 | -0,05 | -11,92% | here |
| 1.A.4.a ii | 0,000017 | 0,000014 | -0,000003 | -15,33% | here |
| 1.A.4.b i | 0,172 | 0,179 | 0,006 | 3,76% | here |
| 1.A.4.b ii | 0,00002916 | 0,00002917 | 0,00000001 | 0,02% | here |
| 1.A.4.c i | 0,0012 | 0,0013 | 0,0001 | 5,86% | here |
| 1.A.4.c ii | 0,000146 | 0,000142 | -0,000003 | -2,24% | here |
| 1.A.4.c iii | 0,0023 | 0,0024 | 0,0001 | 3,03% | here |
| 1.A.5.b | 0,000 | 0,000 | 0,00 | 2,89% | here |
| NFR 2 - IPPU | 3,7337 | 1,2161 | -2,52 | -67,43% | sub-category chapters |
| 2.C.7.a | 3,32 | 0,87 | -2,45 | -73,93% | here |
| 2.G | 0,06 | NA | -0,06 | -100% | here |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0,03 | 0,03 | 0,00 | 0,00% | |
| NFR 6 - Other | NA | | | | |