

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 | |
| NATIONAL TOTAL | 85.92 | 85.92 | 0.00 | 0.00% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 82.37 | 82.37 | 0.00 | 0.00% | sub-category chapters |
| 1.A.2.g vii | 0.000089 | 0.000087 | -0.000002 | -1.93% | here |
| 1.A.4.a ii | 0.0000159 | 0.0000156 | -0.0000003 | -2.16% | here |
| 1.A.4.c ii | 0.000186 | 0.000188 | 0.000002 | 1.10% | here |
| NFR 2 - IPPU | 3.52 | 3.52 | 0.00 | 0.00% | |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0.03 | 0.03 | 0.00 | 0.00% | |
| NFR 6 - Other | NA | | | | |

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 | |
| NATIONAL TOTAL | 5,58 | 5,76 | 0,18 | 3,19% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 4,53 | 4,71 | 0,17 | 3,80% | sub-category chapters |
| 1.A.1.a | 2,17 | 2,16 | -0,01 | -0,38% | here |
| 1.A.1.b | 0,99 | 1,17 | 0,18 | 18,60% | here |
| 1.A.1.c | 0,0053 | 0,0057 | 0,0004 | 8,50% | here |
| 1.A.2.a | NE | NE | #WERT! | #WERT! | here |
| 1.A.2.b | IE | IE | #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 | 0,000099 | 0,000097 | -0,000002 | -2,15% | here |
| 1.A.2.g viii | 0,187 | 0,192 | 0,005 | 2,65% | here |
| 1.A.3.a i(i) | 0,000000017 | 0,000000017 | 0,00 | 0,00% | here |
| 1.A.3.a ii(i) | 0,0000002455 | 0,0000002455 | 0,00 | 0,00% | here |
| 1.A.3.b i | 0,006017 | 0,006022 | 0,000005 | 0,08% | here |
| 1.A.3.b ii | 0,000464 | 0,000456 | -0,000008 | -1,73% | here |
| 1.A.3.b iii | 0,00132 | 0,00134 | 0,00001 | 0,90% | here |
| 1.A.3.b iv | 0,000132 | 0,000129 | -0,000003 | -2,57% | here |
| 1.A.3.b v | NA | NA | #WERT! | #WERT! | here |
| 1.A.3.b vi | 0,5180 | 0,5180 | 0,00 | 0,00% | here |
| 1.A.3.b vii | 0,037353 | 0,037353 | 0,00 | 0,00% | here |
| 1.A.3.c | 0,00125372 | 0,00125376 | 0,00 | 0,00% | here |
| 1.A.3.d i(ii) | IE | IE | #WERT! | #WERT! | |
| 1.A.3.d ii | 0,011353 | 0,011351 | -0,000001 | -0,01% | here |

| | Submission 2023 | Submission 2024 | 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 |
| 1.A.3.e i | NA | NA | #WERT! | #WERT! | 1.A.3.e i - Pipeline Transport] |
| 1.A.3.e ii | NA | | | | 1.A.3.e ii - Other Transport: Other] |
| 1.A.4.a i | 0,47 | 0,45 | -0,02 | -3,70% | here |
| 1.A.4.a ii | 0,000013 | 0,000011 | -0,000002 | -16,10% | here |
| 1.A.4.b i | 0,138 | 0,146 | 0,008 | 6,16% | here |
| 1.A.4.b ii | 0,000023 | 0,000024 | 0,000001 | 2,17% | here |
| 1.A.4.c i | 0,00098 | 0,00097 | -0,00001 | -1,35% | here |
| 1.A.4.c ii | 0,000209 | 0,000212 | 0,000003 | 1,65% | here |
| 1.A.4.c iii | 0,000205377 | 0,000205377 | 0,00 | 0,00% | here |
| 1.A.5.a | NE | NE | #WERT! | #WERT! | here |
| 1.A.5.b | 0,000137 | 0,000138 | 0,000001 | 0,60% | 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 | 1,019 | 1,021 | 0,002 | 0,15% | sub-category chapters |
| 2.A.1 | NE | NE | #WERT! | #WERT! | here |
| 2.A.2 | NA | NA | #WERT! | #WERT! | here |
| 2.A.3 | 0,195 | 0,197 | 0,002 | 0,77% | 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 | NE | NE | #WERT! | #WERT! | here |
| 2.C.2 | NA | NA | #WERT! | #WERT! | here |
| 2.C.3 | NA | NA | #WERT! | #WERT! | here |
| 2.C.4 | NA | NA | #WERT! | #WERT! | here |
| 2.C.5 | 0,009732981 | 0,009732981 | 0,00 | 0,00% | here |
| 2.C.6 | 0,014461526 | 0,014461526 | 0,00 | 0,00% | here |
| 2.C.7.a | 0,799703200 | 0,799703200 | 0,00 | 0,00% | here |
| 2.C.7.b | NO | NO | #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 |

| | Submission 2023 | Submission 2024 | 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.D.3.g | 0,000178805 | 0,000178805 | 0,00 | 0,00% | 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 | NO | NO | #WERT! | #WERT! | here |
| 2.K | NA | NA | #WERT! | #WERT! | here |
| 2.L | NA | NA | #WERT! | #WERT! | here |
| NFR 3 - Agriculture | 0,000000000 | 0,000000000 | 0,00 | #DIV/0! | sub-category chapters |
| NFR 5 - Waste | 0,030 | 0,034 | 0,004 | 13,82% | 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 | 0,030 | 0,034 | 0,004 | 13,82% | here |
| NFR 6 - Other | NA | NA | #WERT! | #WERT! | |