| pollutant-specific data: | NOx NMVOC SOx NH3 PM2.5 PM10 TSP BC CO Pb Cd Hg As Cr Cu Ni Se Zn PCDD/F B[a]P B[b]F B[k]F I[x]P PAH1-4 HCB PCB |
|---|---|

# Recalculations - Indeno[1,2,3-c,d]Pyrene

The small changes within the **National Total** reported for **1990 (+0.19 t or +0.83 %)** result from a variety of revisions have been carried out throughout NFR 1 together with newly implemented emission estimates for **NFR sub-category 2.C.3, increasing the emissions from NFR 2 by nearly 160%**.

Table 1: Changes of emission estimates 1990

|  | Submission 2025 | Submission 2026 | Difference | | Reasoning |
|---|---|---|---|---|---|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| **NATIONAL TOTAL** | **23.03** | **23.22** | **0.19** | **0.83%** | **sub-category chapters** |
| **NFR 1 - Energy** | **22.92** | **23.00** | **0.08** | **0.34%** | **sub-category chapters** |
| 1.A.2.g vii | 0.0064068 | 0.0064072 | 0.0000005 | 0.01% | here |
| 1.A.3.b i | 0.39 | 0.50 | 0.11 | 28.12% | here |
| 1.A.3.b ii | 0.018 | 0.025 | 0.007 | 40.18% | here |
| 1.A.3.b iii | 0.08 | 0.06 | -0.02 | -28.84% | here |
| 1.A.3.b iv | 0.0052 | 0.0050 | -0.0002 | -3.59% | here |
| 1.A.3.c | 0.007 | 0.005 | -0.002 | -31.01% | here |
| 1.A.4.a ii | 0.0012434 | 0.0012430 | -0.0000003 | -0.03% | here |
| 1.A.4.c ii | 0.0138588 | 0.0138586 | -0.0000001 | -0.001% | here |
| **NFR 2 - IPPU** | **0.07** | **0.18** | **0.11** | **158%** | **sub-category chapters** |
| 2.C.3 | NE | 0.11 | 0.11 | | here |
| **NFR 3 - Agriculture** | **NA** | | | | |
| **NFR 5 - Waste** | **0.04** | **0.04** | **0.00** | **0.00%** | |
| **NFR 6 - Other** | **NA** | | | | |

The significant changes within the **National Total** reported for **2022 (+1.28 t or +4.92 %)** are dominated by revisions in NFR sub-categories **1.A.4.b i with +1.39 t** and **1.A.4.a i with -0.11 t** togeher with a variety of small revisions throughout NFR 1.

However, the most significant percental change occurs in NFR **1.A.4.a ii with minus 16 %**.

Table 2: Changes of emission estimates 2023

|  | Submission 2025 | Submission 2026 | Difference | | Reasoning |
|---|---|---|---|---|---|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| **NATIONAL TOTAL** | **15,05** | **14,88** | **-0,17** | **-1,16%** | **sub-category chapters** |
| **NFR 1 - Energy** | **14,98** | **14,81** | **-0,17** | **-1,16%** | **sub-category chapters** |
| 1.A.1.a | IE | IE | #WERT! | #WERT! | here |
| 1.A.1.b | IE | IE | #WERT! | #WERT! | here |
| 1.A.1.c | IE | IE | #WERT! | #WERT! | 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 | NA | NA | #WERT! | #WERT! | here |
| 1.A.2.g vii | 0,0053 | 0,0066 | 0,0013 | 23,90% | here |
| 1.A.2.g viii | IE | IE | #WERT! | #WERT! | here |
| 1.A.3.a i(i) | 0,000000087 | 0,000000089 | 0,000000002 | 2,34% | here |
| 1.A.3.a ii(i) | 0,0000044 | 0,0000045 | 0,0000001 | 2,34% | here |
| 1.A.3.b i | 0,43 | 0,52 | 0,09 | 20,63% | here |

| NFR Sector | Submission 2025 | Submission 2026 | Difference | relative | Reasoning |
|---|---|---|---|---|---|
| | | [t] | | | see description and reasoning in: |
| **NATIONAL TOTAL** | **15,05** | **14,88** | **-0,17** | **-1,16%** | **sub-category chapters** |
| **NFR 1 - Energy** | **14,98** | **14,81** | **-0,17** | **-1,16%** | **sub-category chapters** |
| 1.A.3.b ii | 0,06 | 0,04 | -0,03 | -40,83% | here |
| 1.A.3.b iii | 0,10 | 0,09 | -0,01 | -11,46% | here |
| 1.A.3.b iv | 0,0039 | 0,0037 | -0,0002 | -5,22% | here |
| 1.A.3.b v | NA | NA | #WERT! | #WERT! | here |
| 1.A.3.b vi | 0,019327 | NE | | 0,00% | here |
| 1.A.3.b vii | NA | NA | #WERT! | #WERT! | here |
| 1.A.3.c | 0,0020 | 0,0014 | -0,0006 | -31,02% | here |
| 1.A.3.d i(ii) | IE | IE | #WERT! | #WERT! | |
| 1.A.3.d ii | 0,00332 | 0,00324 | -0,00008 | -2,49% | 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 | 2,22 | 2,05 | -0,16 | -7,41% | here |
| 1.A.4.a ii | 0,0008 | 0,0011 | 0,0003 | 37,73% | here |
| 1.A.4.b i | 11,947 | 11,905 | -0,04 | -0,35% | here |
| 1.A.4.b ii | 0,00072 | 0,00069 | -0,00003 | -4,82% | here |
| 1.A.4.c i | 0,13874 | 0,13874 | 0,00 | 0,00% | here |
| 1.A.4.c ii | 0,016 | 0,014 | -0,002 | -12,85% | here |
| 1.A.4.c iii | 0,0000415 | 0,0000415 | 0,00 | 0,00% | here |
| 1.A.5.a | 0,018 | 0,020 | 0,002 | 9,39% | here |
| 1.A.5.b | 0,00053 | 0,00052 | -0,00001 | -1,54% | here |
| 1.B.1.a | NA | NA | #WERT! | #WERT! | here |
| 1.B.1.b | 0,017199 | 0,017200 | 0,000001 | 0,01% | 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 | 0,04169268 | 0,04174068 | 0,00004800 | 0,12% | sub-category chapters |
| 2.A.1 | IE | IE | #WERT! | #WERT! | here |
| 2.A.2 | NA | NA | #WERT! | #WERT! | here |
| 2.A.3 | NA | NA | #WERT! | #WERT! | 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 | NE | 0,0000417 | 0,0000417 | #WERT! | here |
| 2.C.4 | NA | NA | #WERT! | #WERT! | here |
| 2.C.5 | NA | NA | #WERT! | #WERT! | here |
| 2.C.6 | NA | NA | #WERT! | #WERT! | here |
| 2.C.7.a | NA | NA | #WERT! | #WERT! | here |

| NFR Sector | Submission 2025 | Submission 2026 | Difference | relative | Reasoning see description and reasoning in: |
|---|---|---|---|---|---|
| | | [t] | | | |
| **NATIONAL TOTAL** | **15,05** | **14,88** | **-0,17** | **-1,16%** | **sub-category chapters** |
| **NFR 1 - Energy** | **14,98** | **14,81** | **-0,17** | **-1,16%** | **sub-category chapters** |
| 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 | NE | NE | #WERT! | #WERT! | here |
| 2.D.3.c | NE | NE | #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 | NA | #WERT! | #WERT! | here |
| 2.D.3.h | NA | NA | #WERT! | #WERT! | here |
| 2.D.3.i | NA | NA | #WERT! | #WERT! | here |
| 2.G | 0,04169268 | 0,04169897 | 0,00000629 | 0,02% | 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 | 0,0000000 | 0,0000000 | 0,00 | #DIV/0! | sub-category chapters |
| 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 | 0,0000038 | 0,0000038 | 0,00 | 0,00% | here |
| 5.C.1.b vi | NA | NA | #WERT! | #WERT! | |
| 5.C.2 | 0,03 | 0,03 | 0,00 | 0,00% | 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 | NE | NE | #WERT! | #WERT! | here |
| NFR 6 - Other | 0,0000000 | 0,0000000 | 0,00 | #DIV/0! | |