

# Recalculations - Benzo[k]Fluoranthene

The marginally small changes within the **National Total** reported for **1990 (-0.012 t or -0.08 %)** result almost entirely from **revisions in NFR sub-categories 1.A.3.b i, 1.A.3.b ii and 1.A.3.b iii** together with much less significant changes throughout NFR 1.

However, the most significant percental change occurs for **NFR 1.A.3.b ii with plus 27 %**.

Table 1: Changes of emission estimates 1990

| NFR Sector                 | Submission 2022 | Submission 2023 | Difference    |               | Reasoning  |
|----------------------------|-----------------|-----------------|---------------|---------------|--|
|                            | [t]             |                 |               | relative      |  |
| <b>NATIONAL TOTAL</b>      | <b>16,27</b>    | <b>16,26</b>    | <b>-0,012</b> | <b>-0,08%</b> | see description and reasoning in:<br>sub-category chapters |
| <b>NFR 1 - Energy</b>      | <b>16,01</b>    | <b>16,00</b>    | <b>-0,012</b> | <b>-0,08%</b> | sub-category chapters                                      |
| 1.A.2.g vii                | 0,0386          | 0,0387          | 0,0001        | 0,17%         | <a href="#">here</a>                                       |
| 1.A.3.b i                  | 0,1837          | 0,1872          | 0,0035        | 1,90%         | <a href="#">here</a>                                       |
| 1.A.3.b ii                 | 0,0071          | 0,0091          | 0,0019        | 26,89%        | <a href="#">here</a>                                       |
| 1.A.3.b iii                | 0,3676          | 0,3497          | -0,0179       | -4,87%        | <a href="#">here</a>                                       |
| 1.A.3.b iv                 | 0,0034          | 0,0035          | 0,0001        | 2,99%         | <a href="#">here</a>                                       |
| 1.A.4.a ii                 | 0,00630         | 0,00629         | -0,00001      | -0,09%        | <a href="#">here</a>                                       |
| 1.A.4.c ii                 | 0,0451          | 0,0450          | -0,0001       | -0,14%        | <a href="#">here</a>                                       |
| <b>NFR 2 - IPPU</b>        | <b>0,04</b>     | <b>0,04</b>     | <b>0,00</b>   | <b>0,00%</b>  |  |
| <b>NFR 3 - Agriculture</b> |                 | <b>NA</b>       |               |               |  |
| <b>NFR 5 - Waste</b>       | <b>0,22</b>     | <b>0,22</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 **2020 (-0.5 t and -2.26 %)** result from a **variety of revisions throughout NFRs 1 and 2**.

The significant percental change occurring in NFR 1.A.3.b iii results from a data error that will be corrected with the next annual submission.

Table 2: Changes of emission estimates 2020

| NFR Sector            | Submission 2022 | Submission 2023 | Difference    |               | Reasoning  |
|-----------------------|-----------------|-----------------|---------------|---------------|--|
|                       | [t]             |                 |               | relative      |  |
| <b>NATIONAL TOTAL</b> | <b>10,20</b>    | <b>9,78</b>     | <b>-0,42</b>  | <b>-4,15%</b> | see description and reasoning in:<br>sub-category chapters |
| <b>NFR 1 - Energy</b> | <b>10,10</b>    | <b>9,68</b>     | <b>-0,42</b>  | <b>-4,19%</b> | sub-category chapters                                      |
| 1.A.2.g vii           | 0,0389          | 0,0394          | 0,0005        | 1,36%         | <a href="#">here</a>                                       |
| 1.A.3.a i(i)          | 0,0000000859    | 0,0000000855    | -0,0000000004 | -0,42%        | <a href="#">here</a>                                       |
| 1.A.3.a ii(i)         | 0,0000022186    | 0,0000022193    | 0,0000000007  | 0,03%         | <a href="#">here</a>                                       |
| 1.A.3.b i             | 0,214           | 0,215           | 0,001         | 0,62%         | <a href="#">here</a>                                       |
| 1.A.3.b ii            | 0,0320          | 0,0327          | 0,0006        | 1,97%         | <a href="#">here</a>                                       |
| 1.A.3.b iii           | 0,51            | 0,17            | -0,33         | -65,91%       | <a href="#">here</a>                                       |
| 1.A.3.b iv            | 0,00296         | 0,00299         | 0,00003       | 1,11%         | <a href="#">here</a>                                       |
| 1.A.3.c               | 0,0089          | 0,0095          | 0,0006        | 6,28%         | <a href="#">here</a>                                       |
| 1.A.3.d ii            | 0,015060        | 0,015059        | -0,000001     | -0,01%        | <a href="#">here</a>                                       |
| 1.A.4.a i             | 1,124           | 1,148           | 0,024         | 2,15%         | <a href="#">here</a>                                       |
| 1.A.4.a ii            | 0,00501         | 0,00506         | 0,00004       | 0,89%         | <a href="#">here</a>                                       |
| 1.A.4.b i             | 7,98            | 7,86            | -0,12         | -1,48%        | <a href="#">here</a>                                       |
| 1.A.4.b ii            | 0,00038         | 0,00030         | -0,00008      | -21,39%       | <a href="#">here</a>                                       |
| 1.A.4.c i             | 0,09123         | 0,09122         | -0,00001      | -0,01%        | <a href="#">here</a>                                       |
| 1.A.4.c ii            | 0,0483          | 0,0488          | 0,0005        | 1,00%         | <a href="#">here</a>                                       |
| 1.A.4.c iii           | 0,0003          | 0,0003          | 0,0000        | 0,00%         | <a href="#">here</a>                                       |
| 1.A.5.a               | 0,010           | 0,011           | 0,001         | 6,64%         | <a href="#">here</a>                                       |
| 1.A.5.b               | 0,0004          | 0,0004          | 0,0000        | 0,00%         | <a href="#">here</a>                                       |
| 1.B.1.b               | 0,0249          | 0,0251          | 0,0002        | 0,88%         | <a href="#">here</a>                                       |

|                            | Submission 2022 | Submission 2023 | Difference   |                 | Reasoning                                |
|----------------------------|-----------------|-----------------|--------------|-----------------|--|
| <b>NFR Sector</b>          |                 | <b>[t]</b>      |              | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b>      | <b>10,20</b>    | <b>9,78</b>     | <b>-0,42</b> | <b>-4,15%</b>   | <b>sub-category chapters</b>             |
| <b>NFR 1 - Energy</b>      | <b>10,10</b>    | <b>9,68</b>     | <b>-0,42</b> | <b>-4,19%</b>   | <b>sub-category chapters</b>             |
| <b>NFR 2 - IPPU</b>        | <b>0,03</b>     | <b>0,03</b>     | <b>0,00</b>  | <b>0,00%</b>    |  |
| <b>NFR 3 - Agriculture</b> |                 | <b>NA</b>       |              |                 |  |
| <b>NFR 5 - Waste</b>       | <b>0,07</b>     | <b>0,07</b>     | <b>0,00</b>  | <b>0,00%</b>    |  |
| <b>NFR 6 - Other</b>       |                 | <b>NA</b>       |              |                 |  |