

## Recalculations - Lead (Pb)

The atomically small changes within the **National Total** reported for **1990 (-0.0003 t | -0.00001 %)** result from a variety of revisions throughout NFRs 1. Here, the **re-allocation of emissions from NFR 1.A.3.b i (-8.3 t) to 1.A.3.b ii (+7.7 t) and 1.A.3.b iv (+0.6 t)** has no effect on the National Totals.

The most significant percental change occurs for NFR **1.A.3.b. ii** with plus 23 %.

Table 1: Changes of emission estimates 1990

| NFR Sector                 | Submission 2021   | Submission 2022   | Difference     |                  | Reasoning   |
|----------------------------|-------------------|-------------------|----------------|------------------|---|
|                            | [t]               |                   |                | relative         |   |
| <b>NATIONAL TOTAL</b>      | <b>1.899,1933</b> | <b>1.899,1930</b> | <b>-0,0003</b> | <b>-0,00001%</b> | see description and reasoning in: sub-category chapters |
| <b>NFR 1 - Energy</b>      | <b>1.499,0004</b> | <b>1.499,0002</b> | <b>-0,0003</b> | <b>-0,00002%</b> | sub-category chapters                                   |
| 1.A.2.g vii                | 2,0890            | 2,0893            | 0,0002         | 0,01%            | <a href="#">here</a>                                    |
| 1.A.3.b i                  | 1.225,20          | 1.216,92          | -8,28          | -0,68%           | <a href="#">here</a>                                    |
| 1.A.3.b ii                 | 34,15             | 41,84             | 7,69           | 22,52%           | <a href="#">here</a>                                    |
| 1.A.3.b iii                | 0,0053            | 0,0051            | -0,0003        | -4,87%           | <a href="#">here</a>                                    |
| 1.A.3.b iv                 | 26,29             | 26,88             | 0,59           | 2,26%            | <a href="#">here</a>                                    |
| 1.A.4.a ii                 | 0,00              | 0,00              | 0,00           | -0,09%           | <a href="#">here</a>                                    |
| <b>NFR 2 - IPPU</b>        | <b>400,05</b>     | <b>400,05</b>     | <b>0,00</b>    | <b>0,00%</b>     |   |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>         |                   |                |                  |   |
| <b>NFR 5 - Waste</b>       | <b>0,15</b>       | <b>0,15</b>       | <b>0,00</b>    | <b>0,00%</b>     |   |
| <b>NFR 6 - Other</b>       | <b>NA</b>         |                   |                |                  |   |

The changes within the **National Total** reported for **2019 (-3.1 t or -1.92 %)** are dominated by changes in **NFR 1.A.3.a ii(i) with -1.82 t** and **NFR 2.A.3 with -1.04 t** together with more or less significant revisions throughout NFRs 1, 2 and 5.

The most significant percental changes occur for **NFRs 1.A.3.a i(i) and 1.A.3.a ii(i) with minus 84 %**.

Table 2: Changes of emission estimates 2019

| NFR Sector            | Submission 2022 | Submission 2023 | Difference   |               | Reasoning   |
|-----------------------|-----------------|-----------------|--------------|---------------|---|
|                       | [t]             |                 |              | relative      |   |
| <b>NATIONAL TOTAL</b> | <b>142,64</b>   | <b>142,60</b>   | <b>-0,04</b> | <b>-0,03%</b> | see description and reasoning in: sub-category chapters |
| <b>NFR 1 - Energy</b> | <b>77,62</b>    | <b>77,73</b>    | <b>0,11</b>  | <b>0,15%</b>  | sub-category chapters                                   |
| 1.A.1.a               | 5,87            | 5,84            | -0,04        | -0,61%        | <a href="#">here</a>                                    |
| 1.A.1.b               | 4,85            | 4,69            | -0,16        | -3,34%        | <a href="#">here</a>                                    |
| 1.A.1.c               | 0,081           | 0,075           | -0,006       | -7,26%        | <a href="#">here</a>                                    |
| 1.A.2.b               | IE              | IE              | #WERT!       | #WERT!        | <a href="#">here</a>                                    |
| 1.A.2.a               | IE              | IE              | #WERT!       | #WERT!        | <a href="#">here</a>                                    |
| 1.A.2.c               | IE              | IE              | #WERT!       | #WERT!        | <a href="#">here</a>                                    |
| 1.A.2.d               | IE              | IE              | #WERT!       | #WERT!        | <a href="#">here</a>                                    |
| 1.A.2.e               | NE              | NE              | #WERT!       | #WERT!        | <a href="#">here</a>                                    |
| 1.A.2.f               | IE              | IE              | #WERT!       | #WERT!        | <a href="#">here</a>                                    |
| 1.A.2.g vii           | 0,000682        | 0,000719        | 0,000038     | 5,54%         | <a href="#">here</a>                                    |
| 1.A.2.g viii          | 0,492           | 0,676           | 0,18         | 37,48%        | <a href="#">here</a>                                    |
| 1.A.3.a i(i)          | 0,01            | 0,01            | 0,00         | -0,42%        | <a href="#">here</a>                                    |
| 1.A.3.a ii(i)         | 0,23            | 0,23            | 0,00         | 0,03%         | <a href="#">here</a>                                    |
| 1.A.3.b i             | 0,02988         | 0,02989         | 0,00000      | 0,01%         | <a href="#">here</a>                                    |
| 1.A.3.b ii            | 0,00205         | 0,00211         | 0,00006      | 3,16%         | <a href="#">here</a>                                    |
| 1.A.3.b iii           | 0,00733         | 0,00250         | -0,00483     | -65,91%       | <a href="#">here</a>                                    |
| 1.A.3.b iv            | 0,00069         | 0,00070         | 0,00001      | 1,11%         | <a href="#">here</a>                                    |
| 1.A.3.b v             | NA              | NA              | #WERT!       | #WERT!        | <a href="#">here</a>                                    |
| 1.A.3.b vi            | 43,95           | 43,77           | -0,19        | -0,43%        | <a href="#">here</a>                                    |
| 1.A.3.b vii           | 0,0575          | 0,0574          | 0,00         | -0,05%        | <a href="#">here</a>                                    |
| 1.A.3.c               | 0,08            | 0,08            | 0,00         | 0,93%         | <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>142,64</b>   | <b>142,60</b>   | <b>-0,04</b> | <b>-0,03%</b>   | <b>sub-category chapters</b>                          |
| <b>NFR 1 - Energy</b> | <b>77,62</b>    | <b>77,73</b>    | <b>0,11</b>  | <b>0,15%</b>    | <b>sub-category chapters</b>                          |
| 1.A.3.d i(ii)         | IE              | IE              | #WERT!       | #WERT!          |   |
| <b>1.A.3.d ii</b>     | <b>0,04</b>     |                 |              |                 | <a href="#">here</a>                                  |
| 1.A.3.e i             | NA              | NA              | #WERT!       | #WERT!          | <a href="#">1.A.3.e i - Pipeline Transport ]</a>      |
| 1.A.3.e ii            | NA              | NA              | #WERT!       | #WERT!          | <a href="#">1.A.3.e ii - Other Transport: Other ]</a> |
| 1.A.4.a i             | 17,77           |                 |              |                 | <a href="#">here</a>                                  |
| 1.A.4.a ii            | 0,0000726       | 0,0000733       | 0,0000006    | 0,89%           | <a href="#">here</a>                                  |
| 1.A.4.b i             | 4,076           | 4,021           | -0,055       | -1,35%          | <a href="#">here</a>                                  |
| 1.A.4.b ii            | 0,00017         | 0,00013         | -0,00004     | -21,39%         | <a href="#">here</a>                                  |
| 1.A.4.c i             | 0,060           | 0,060           | 0,00         | -0,01%          | <a href="#">here</a>                                  |
| 1.A.4.c ii            | 0,000812        | 0,000847        | 0,000035     | 4,35%           | <a href="#">here</a>                                  |
| <b>NFR 2 - IPPU</b>   | <b>64,97</b>    | <b>64,82</b>    | <b>-0,15</b> | <b>-0,24%</b>   | <b>sub-category chapters</b>                          |
| 2.A.1                 | 0,388           | 0,232           | -0,16        | -40,26%         | <a href="#">here</a>                                  |
| 2.A.3                 | 0,62            | 0,62            | 0,00         | 0,26%           | <a href="#">here</a>                                  |
| 2.G                   | 0,001431        | 0,001426        | -0,000004    | -0,31%          | <a href="#">here</a>                                  |
| NFR 3 - Agriculture   | 0,00            | 0,00            | 0,00         | #DIV/0!         | sub-category chapters                                 |
| <b>NFR 5 - Waste</b>  | <b>0,053</b>    | <b>0,053</b>    | <b>0,000</b> | <b>0,00%</b>    |   |
| <b>NFR 6 - Other</b>  | <b>NA</b>       |                 |              |                 |   |