

# Recalculations - Total Suspended Particles (TSP)

The small changes within the **National Total** reported for **1990 (-4.0 kt or -0.2 %)** are dominated by a revision in NFRs sub-categories **1.A.3.c** (-5.84 kt) and **3.D.c** (+1.43 kt) together with less significant revisions in NFRs 1 and 3.

The strongest percental change occurs for NFR **3.B.4.e** with **plus 175 %**.

Table 1: Changes in emission estimates for 1990

|                       | Submission 2023 | Submission 2024 | Difference   | Reasoning     |                                   |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector            | [kt]            |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>2.019,60</b> | <b>2.015,59</b> | <b>-4,01</b> | <b>-0,20%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>1.397,65</b> | <b>1.391,90</b> | <b>-5,74</b> | <b>-0,41%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii           | 5,05            | 4,94            | -0,11        | -2,16%        | <a href="#">here</a>              |
| 1.A.3.c               | 13,08           | 7,24            | -5,84        | -44,64%       | <a href="#">here</a>              |
| 1.A.4.a ii            | 1,33            | 1,30            | -0,03        | -2,16%        | <a href="#">here</a>              |
| 1.A.4.c ii            | 15,65           | 15,88           | 0,23         | 1,48%         | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>   | <b>543,41</b>   | <b>543,41</b>   | <b>0,00</b>  | <b>0,00%</b>  |                                   |
| NFR 3 - Agriculture   | 73,51           | 75,24           | 1,73         | 2,36%         | sub-category chapters             |
| 3.B.4.e               | 0,18            | 0,48            | 0,31         | 175%          | <a href="#">here</a>              |
| 3.D.c                 | 23,45           | 24,88           | 1,43         | 6,09%         | <a href="#">here</a>              |
| NFR 5 - Waste         | 5,04            | 5,04            | 0,00         | 0,00%         |                                   |
| <b>NFR 6 - Other</b>  | <b>NA</b>       |                 |              |               |                                   |

The changes within the **National Total** reported for **2021 (-9.42 kt or -2.80 %)** are dominated by revised emission estimates for **NFRs 1.B.1.b** (-4.33 kt), **2.A.5.a** (-4.25 kt) and **5.C.2** (-1.70 kt) together with several less significant revisions in NFRs **1, 2, 3 and 5**.

The most significant percental change occurs for **NFR 1.B.1.b** with **minus 87 %**.

Table 2: Changes in emission estimates for 2021

|                       | Submission 2023 | Submission 2024 | Difference   | Reasoning     |                                   |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector            | [kt]            |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>336.87</b>   | <b>327.45</b>   | <b>-9.42</b> | <b>-2.80%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>88.79</b>    | <b>85.55</b>    | <b>-3.22</b> | <b>-3.63%</b> | <b>sub-category chapters</b>      |
| 1.A.1.a               | 4.53            | 4.50            | -0.03        | -0.65%        | <a href="#">here</a>              |
| 1.A.1.b               | 0.55            | 0.58            | 0.04         | 6.86%         | <a href="#">here</a>              |
| 1.A.1.c               | 0.41            | 0.43            | 0.01         | 2.84%         | <a href="#">here</a>              |
| 1.A.2.a               | 0.071           | 0.070           | -0.001       | -1.46%        | <a href="#">here</a>              |
| 1.A.2.g vii           | 0.73            | 0.48            | -0.25        | -34.4%        | <a href="#">here</a>              |
| 1.A.2.g viii          | 2.79            | 2.59            | -0.20        | -7.26%        | <a href="#">here</a>              |
| 1.A.3.a i(i)          | 0.0339          | 0.0334          | -0.0005      | -1.58%        | <a href="#">here</a>              |
| 1.A.3.a ii(i)         | 0.014           | 0.011           | -0.003       | -20.0%        | <a href="#">here</a>              |
| 1.A.3.b i             | 1.97            | 1.85            | -0.12        | -6.23%        | <a href="#">here</a>              |
| 1.A.3.b ii            | 1.168           | 1.147           | -0.021       | -1.80%        | <a href="#">here</a>              |
| 1.A.3.b iii           | 1.12            | 1.13            | 0.01         | 0.95%         | <a href="#">here</a>              |
| 1.A.3.b iv            | 0.94            | 0.92            | -0.02        | -2.15%        | <a href="#">here</a>              |
| 1.A.3.b vi            | 16.95           | 16.97           | 0.02         | 0.15%         | <a href="#">here</a>              |
| 1.A.3.b vii           | 14.31           | 14.34           | 0.02         | 0.17%         | <a href="#">here</a>              |
| 1.A.3.c               | 8.11            | 8.71            | 0.60         | 7.38%         | <a href="#">here</a>              |
| 1.A.3.d ii            | 0.8211          | 0.8579          | 0.0368       | 4.48%         | <a href="#">here</a>              |
| 1.A.4.a i             | 2.51            | 2.46            | -0.05        | -1.83%        | <a href="#">here</a>              |
| 1.A.4.a ii            | 0.174           | 0.185           | 0.011        | 6.57%         | <a href="#">here</a>              |
| 1.A.4.b i             | 19.08           | 19.17           | 0.08         | 0.44%         | <a href="#">here</a>              |
| 1.A.4.b ii            | 0.13            | 0.13            | 0.01         | 5.18%         | <a href="#">here</a>              |

|                            | Submission 2023 | Submission 2024 | Difference   |                 | Reasoning                                |
|----------------------------|-----------------|-----------------|--------------|-----------------|--|
| <b>NFR Sector</b>          | <b>[kt]</b>     |                 |              | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b>      | <b>336.87</b>   | <b>327.45</b>   | <b>-9.42</b> | <b>-2.80%</b>   | <b>sub-category chapters</b>             |
| <b>NFR 1 - Energy</b>      | <b>88.79</b>    | <b>85.55</b>    | <b>-3.22</b> | <b>-3.63%</b>   | <b>sub-category chapters</b>             |
| 1.A.4.c i                  | 0.525           | 0.529           | 0.004        | 0.77%           | <a href="#">here</a>                     |
| 1.A.4.c ii                 | 2.92            | 3.87            | 0.95         | 32.7%           | <a href="#">here</a>                     |
| 1.A.5.a                    | 0.054           | 0.054           | 0.000        | 0.06%           | <a href="#">here</a>                     |
| 1.B.1.b                    | 4.97            | 0.64            | <u>-4.33</u> | <u>-87.2%</u>   | <a href="#">here</a>                     |
| <b>NFR 2 - IPPU</b>        | <b>181.86</b>   | <b>177.52</b>   | <b>-4.34</b> | <b>-2.38%</b>   | <b>sub-category chapters</b>             |
| 2.A.3                      | 0.46            | 0.37            | -0.09        | -19.3%          | <a href="#">here</a>                     |
| 2.A.5.a                    | 40.09           | 35.84           | <u>-4.25</u> | <u>-10.6%</u>   | <a href="#">here</a>                     |
| 2.C.2                      | 0.00542         | 0.00513         | -0.00029     | -5.38%          | <a href="#">here</a>                     |
| 2.D.3.b                    | 0.232           | 0.228           | -0.004       | -1.71%          | <a href="#">here</a>                     |
| 2.G                        | 2.74            | 2.75            | 0.01         | 0.20%           | <a href="#">here</a>                     |
| <b>NFR 3 - Agriculture</b> | <b>60.56</b>    | <b>60.59</b>    | <b>0.03</b>  | <b>0.05%</b>    | <b>sub-category chapters</b>             |
| 3.D.c                      | 20.97           | 21.00           | 0.03         | 0.13%           | <a href="#">here</a>                     |
| <b>NFR 5 - Waste</b>       | <b>5.67</b>     | <b>3.77</b>     | <b>-1.90</b> | <b>-33.4%</b>   | <b>sub-category chapters</b>             |
| 5.A                        | 0.019           | 0.018           | -0.001       | -4.04%          | <a href="#">here</a>                     |
| 5.C.2                      | 2.28            | 0.58            | <u>-1.70</u> | <u>-74.6%</u>   | <a href="#">here</a>                     |
| 5.E                        | 3.35            | 3.16            | -0.19        | -5.69%          | <a href="#">here</a>                     |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |              |                 |  |