

# Recalculations - Total Suspended Particles (TSP)

The small changes within the **National Total reported for 1990 (-8.08 kt | -0.39 %)** are dominated by a revision of emission estimates for NFRs **1.A.3.c** (+1.40 kt), **1.A.3.d ii** (-6.18 kt), **2.A.5.a** (+2.27 kt) and **2.B.10.a** (-0.96 kt) together with less significant revisions in NFRs 1, 2 and 3.

The strongest percental changes occur for NFRs **2.A.3 with plus 52 %** and **1.A.3.d ii with minus 46 %**.

Table 1: Changes in emission estimates for 1990

|                            | Submission 2021 | Submission 2022 | Difference   |               | Reasoning                         |
|----------------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector                 | [kt]            |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>2.050,52</b> | <b>2.042,44</b> | <b>-8,08</b> | <b>-0,39%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>1.406,91</b> | <b>1.401,92</b> | <b>-4,99</b> | <b>-0,35%</b> | <b>sub-category chapters</b>      |
| 1.A.3.a i(i)               | 0,05            | 0,05            | 0,00         | -1,26%        | <a href="#">here</a>              |
| 1.A.3.a ii(i)              | 0,05            | 0,04            | -0,01        | -13,92%       | <a href="#">here</a>              |
| 1.A.3.b iii                | 29,56           | 29,56           | 0,00         | 0,01%         | <a href="#">here</a>              |
| 1.A.3.c                    | 11,67           | 13,07           | 1,40         | 12,02%        | <a href="#">here</a>              |
| 1.A.3.d ii                 | 13,35           | 7,17            | -6,18        | -46,30%       | <a href="#">here</a>              |
| 1.A.4.b ii                 | 0,22            | 0,29            | 0,07         | 30,37%        | <a href="#">here</a>              |
| 1.A.4.c iii                | 0,22            | 0,11            | -0,11        | -50,78%       | <a href="#">here</a>              |
| 1.A.5.a                    | 21,82           | 21,82           | 0,00         | 0,00%         | <a href="#">here</a>              |
| 1.A.5.b                    | 2,98            | 2,82            | -0,17        | -5,57%        | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>565,43</b>   | <b>562,34</b>   | <b>-3,09</b> | <b>-0,55%</b> | <b>sub-category chapters</b>      |
| 2.A.3                      | 0,08            | 0,13            | 0,04         | 51,47%        | <a href="#">here</a>              |
| 2.A.5.a                    | 84,78           | 82,51           | -2,27        | -2,68%        | <a href="#">here</a>              |
| 2.B.6                      | NA              | 0,09            | 0,09         |               | <a href="#">here</a>              |
| 2.B.10.a                   | 16,62           | 15,66           | -0,96        | -5,77%        | <a href="#">here</a>              |
| <b>NFR 3 - Agriculture</b> | <b>67,48</b>    | <b>67,48</b>    | <b>0,00</b>  | <b>0,00%</b>  |                                   |
| <b>NFR 5 - Waste</b>       | <b>10,70</b>    | <b>10,70</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 2018 (-4.18 kt | -1.08 %)** are dominated by revised emission estimates for **NFR 2.G (-5.16 kt)**. In addition, several more or less significant revisions occur in NFRs **1, 2, 3 and 5**.

The most significant relative changes occur for **NFRs 2.C.7.c with minus 73 %** and **2.G with minus 51 %**.

Table 2: Changes in emission estimates for 2018

|                       | Submission 2020 | Submission 2021 | Difference   |               | Reasoning                         |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector            | [kt]            |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>387,72</b>   | <b>383,54</b>   | <b>-4,18</b> | <b>-1,08%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>100,68</b>   | <b>101,56</b>   | <b>0,88</b>  | <b>0,88%</b>  | <b>sub-category chapters</b>      |
| 1.A.1.a               | 5,52            | 5,59            | 0,07         | 1,23%         | <a href="#">here</a>              |
| 1.A.1.b               | 0,43            | 0,58            | 0,14         | 32,54%        | <a href="#">here</a>              |
| 1.A.1.c               | 0,49            | 0,53            | 0,04         | 7,70%         | <a href="#">here</a>              |
| 1.A.2.a               | 0,083           | 0,081           | -0,002       | -2,21%        | <a href="#">here</a>              |
| 1.A.2.g vii           | 0,88            | 0,97            | 0,10         | 10,86%        | <a href="#">here</a>              |
| 1.A.2.g viii          | 2,74            | 2,58            | -0,16        | -5,93%        | <a href="#">here</a>              |
| 1.A.3.a i(i)          | 0,09            | 0,08            | -0,01        | -7,58%        | <a href="#">here</a>              |
| 1.A.3.a ii(i)         | 0,03            | 0,04            | 0,01         | 43,17%        | <a href="#">here</a>              |
| 1.A.3.b i             | 3,01            | 3,14            | 0,13         | 4,37%         | <a href="#">here</a>              |
| 1.A.3.b ii            | 1,345           | 1,348           | 0,003        | 0,25%         | <a href="#">here</a>              |
| 1.A.3.b iii           | 1,99            | 1,94            | -0,05        | -2,69%        | <a href="#">here</a>              |
| 1.A.3.b iv            | 0,94            | 0,98            | 0,04         | 3,86%         | <a href="#">here</a>              |
| 1.A.3.b vi            | 18,62           | 18,60           | -0,03        | -0,15%        | <a href="#">here</a>              |
| 1.A.3.b vii           | 15,71           | 15,69           | -0,02        | -0,16%        | <a href="#">here</a>              |

|                            | Submission 2020 | Submission 2021 | Difference     |                                   | Reasoning                    |
|----------------------------|-----------------|-----------------|----------------|-----------------------------------|------------------------------|
| NFR Sector                 | [kt]            |                 | relative       | see description and reasoning in: |                              |
| <b>NATIONAL TOTAL</b>      | <b>387,72</b>   | <b>383,54</b>   | <b>-4,18</b>   | <b>-1,08%</b>                     | <b>sub-category chapters</b> |
| <b>NFR 1 - Energy</b>      | <b>100,68</b>   | <b>101,56</b>   | <b>0,88</b>    | <b>0,88%</b>                      | <b>sub-category chapters</b> |
| 1.A.3.c                    | 8,58            | 8,57            | -0,02          | -0,23%                            | <a href="#">here</a>         |
| 1.A.3.d ii                 | 1,13            | 1,16            | 0,03           | 2,73%                             | <a href="#">here</a>         |
| 1.A.3.e i                  | 0,00760         | 0,00763         | 0,00003        | 0,45%                             | <a href="#">here</a>         |
| 1.A.4.a i                  | 2,36            | 2,09            | -0,27          | -11,48%                           | <a href="#">here</a>         |
| 1.A.4.a ii                 | 0,25            | 0,21            | -0,04          | -14,65%                           | <a href="#">here</a>         |
| 1.A.4.b i                  | 17,78           | 19,34           | 1,56           | 8,77%                             | <a href="#">here</a>         |
| 1.A.4.b ii                 | 0,134           | 0,127           | -0,007         | -4,97%                            | <a href="#">here</a>         |
| 1.A.4.c i                  | 0,513           | 0,506           | -0,006         | -1,26%                            | <a href="#">here</a>         |
| 1.A.4.c ii                 | 3,86            | 3,24            | -0,62          | -15,99%                           | <a href="#">here</a>         |
| 1.A.4.c iii                | 0,088           | 0,091           | 0,002          | 2,70%                             | <a href="#">here</a>         |
| 1.A.5.a                    | 0,028           | 0,029           | 0,001          | 2,07%                             | <a href="#">here</a>         |
| 1.A.5.b                    | 0,0702          | 0,0703          | 0,0001         | 0,14%                             | <a href="#">here</a>         |
| <b>NFR 2 - IPPU</b>        | <b>216,90</b>   | <b>211,90</b>   | <b>-5,00</b>   | <b>-2,31%</b>                     | <b>sub-category chapters</b> |
| 2.A.3                      | 0,22            | 0,22            | 0,00           | -0,80%                            | <a href="#">here</a>         |
| 2.A.5.a                    | 41,07           | 41,25           | 0,18           | 0,44%                             | <a href="#">here</a>         |
| 2.C.2                      | 0,0058          | 0,0053          | -0,0005        | -8,04%                            | <a href="#">here</a>         |
| 2.C.7.a                    | 0,067           | 0,063           | -0,004         | -6,50%                            | <a href="#">here</a>         |
| 2.C.7.c                    | 0,02            | 0,01            | -0,01          | -73,35%                           | <a href="#">here</a>         |
| 2.G                        | 10,11           | 4,95            | -5,16          | -51,06%                           | <a href="#">here</a>         |
| <b>NFR 3 - Agriculture</b> | <b>61,06</b>    | <b>60,99</b>    | <b>-0,07</b>   | <b>-0,11%</b>                     | <b>sub-category chapters</b> |
| 3.B.3                      | 17,36           | 17,32           | -0,04          | -0,22%                            | <a href="#">here</a>         |
| 3.B.4.g i                  | 10,16           | 10,15           | -0,01          | -0,13%                            | <a href="#">here</a>         |
| 3.B.4.g ii                 | 3,72            | 3,71            | -0,01          | -0,38%                            | <a href="#">here</a>         |
| <b>NFR 5 - Waste</b>       | <b>9,0815</b>   | <b>9,0813</b>   | <b>-0,0002</b> | <b>0,00%</b>                      | <b>sub-category chapters</b> |
| 5.A                        | 0,0213          | 0,0211          | -0,0002        | -0,87%                            | <a href="#">here</a>         |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |                |                                   |                              |