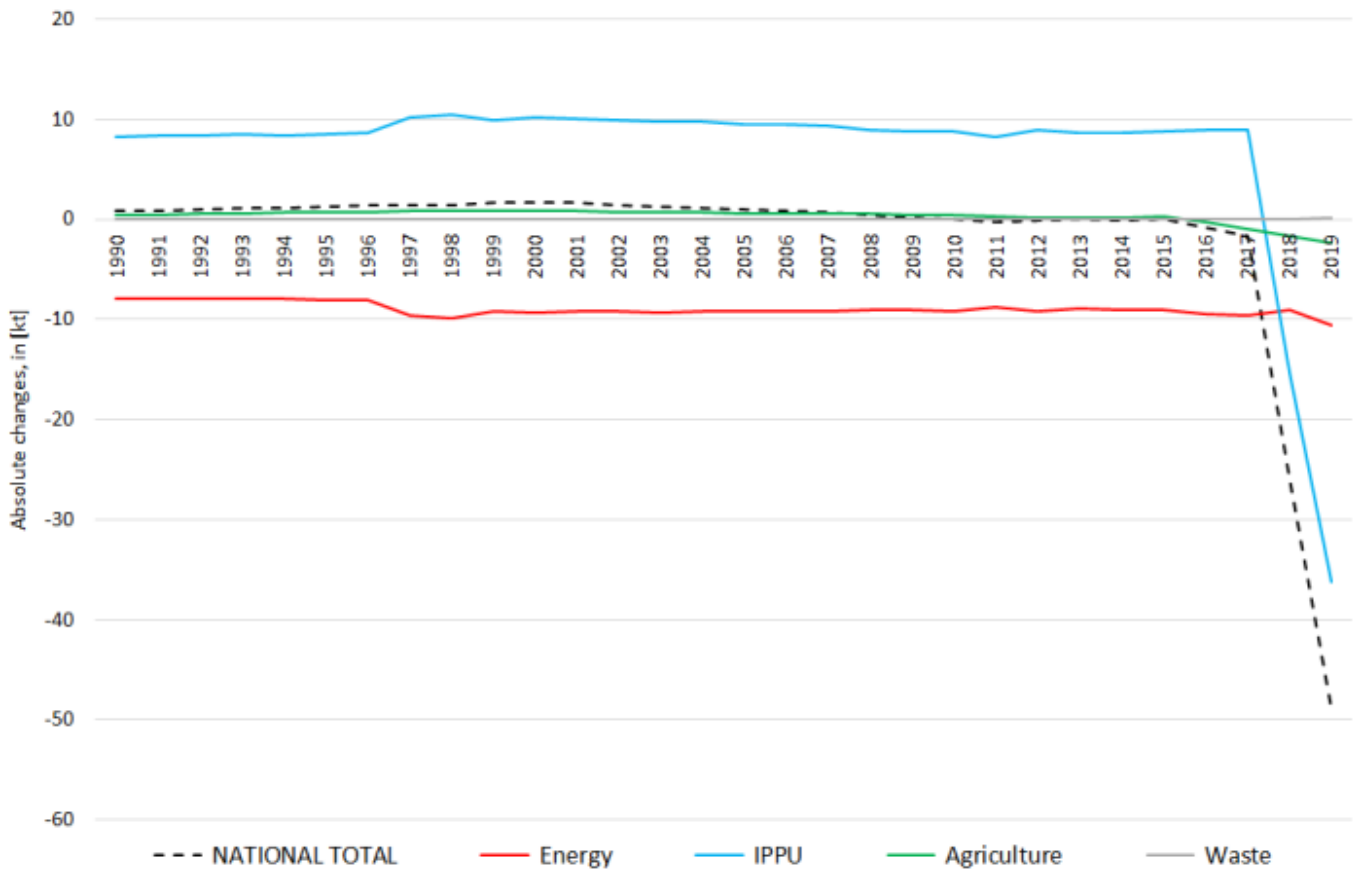


Recalculations - Non-Methane Volatile Organic Compounds

Revision of NMVOC emissions over time





The insignificant changes within the **National Total reported for 1990 (+0.73 kt | +0.02 %)** are dominated by a re-allocation of **8.09 kt** of NMVOCs from NFR sub-categorie **1.B.2.a iv** to **2.B.10.b**, with the strongest percental change occurring for **1.A.4.c iii** with minus 55 %.

Table 1: Changes in emission estimates for 1990

| NFR Sector | Submission 2021 | Submission 2022 | Difference | | Reasoning see description and reasoning in: sub-category chapters |
|----------------------------|-----------------|-----------------|--------------|---------------|---|
| | [kt] | | absolute | relative | |
| NATIONAL TOTAL | 3.890,85 | 3.891,58 | 0,73 | 0,02% | sub-category chapters |
| NFR 1 - Energy | 2.170,57 | 2.162,57 | -8,00 | -0,37% | sub-category chapters |
| 1.A.3.a i(i) | 0,80 | 0,80 | 0,00 | -0,49% | here |
| 1.A.3.a ii(i) | 0,50 | 0,42 | -0,08 | -15,49% | here |
| 1.A.3.b i | 1.119,06 | 1.119,06 | 0,00 | 0,00% | here |
| 1.A.3.b ii | 39,73 | 39,73 | 0,00 | 0,00% | here |
| 1.A.3.b iii | 60,10 | 60,12 | 0,02 | 0,03% | here |
| 1.A.3.c | 4,19 | 4,22 | 0,03 | 0,718% | here |
| 1.A.3.d ii | 3,20 | 3,27 | 0,07 | 2,106% | here |
| 1.A.4.b ii | 12,48 | 12,52 | 0,04 | 0,32% | here |
| 1.A.4.c iii | 0,04 | 0,02 | -0,02 | -54,62% | here |
| 1.A.5.b | 21,32 | 21,30 | -0,02 | -0,10% | here |
| 1.B.2.a iv | 81,24 | 73,15 | -8,09 | -9,96% | |
| 1.B.2.a v | 87,73 | 87,79 | 0,05 | 0,06% | |
| NFR 2 - IPPU | 1.283,34 | 1.291,63 | 8,30 | 0,65% | sub-category chapters |
| 2.B.10.b | NA | 8,09 | 8,09 | | here |
| 2.D.3.g | 70,00 | 69,59 | -0,41 | -0,58% | here |
| 2.D.3.i | 241,57 | 242,18 | 0,61 | 0,25% | |
| NFR 3 - Agriculture | 398,49 | 398,93 | 0,44 | 0,11% | sub-category chapters |
| 3.B.1.b | 153,72 | 154,16 | 0,44 | 0,29% | here |
| NFR 5 - Waste | 38,45 | 38,45 | 0,00 | 0,00% | |
| NFR 6 - Other | NA | | | | |

Changes within the **National Total reported for 2019 (-49kt | -4.37%)** result from several more or less significant

revisions in **NFR1, 2 3 and 4.**

The strongest percental change occurs for **NFR 1.A.4.c iii with minus 43 %.**

Table 2: Changes in emission estimates for 2019

| NFR Sector | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|---------------|---------------|--|
| | [kt] | | | relative | |
| NATIONAL TOTAL | 1.121,23 | 1.072,23 | -49,00 | -4,37% | see description and reasoning in: |
| NFR 1 - Energy | 214,71 | 204,04 | -10,67 | -4,97% | sub-category chapters |
| 1.A.1.a | 7,08 | 7,17 | 0,10 | 1,35% | here |
| 1.A.1.c | 0,38 | 0,39 | 0,01 | 2,56% | here |
| 1.A.2.a | 0,244 | 0,259 | 0,02 | 6,33% | here |
| 1.A.2.b | 0,082 | 0,079 | -0,003 | -3,80% | here |
| 1.A.2.e | 0,024 | 0,023 | -0,001 | -2,51% | here |
| 1.A.2.g vii | 3,42 | 3,38 | -0,04 | -1,12% | here |
| 1.A.2.g viii | 5,58 | 5,56 | -0,02 | -0,35% | here |
| 1.A.3.a i(i) | 0,69 | 0,65 | -0,04 | -5,96% | here |
| 1.A.3.a ii(i) | 0,52 | 0,37 | -0,15 | -28,40% | here |
| 1.A.3.b i | 47,41 | 46,02 | -1,40 | -2,94% | here |
| 1.A.3.b ii | 1,47 | 1,45 | -0,02 | -1,09% | here |
| 1.A.3.b iii | 2,71 | 2,73 | 0,01 | 0,46% | here |
| 1.A.3.b iv | 15,02 | 14,85 | -0,16 | -1,10% | here |
| 1.A.3.b v | 22,62 | 22,25 | -0,38 | -1,66% | here |
| 1.A.3.c | 0,36 | 0,39 | 0,04 | 9,95% | here |
| 1.A.3.d ii | 1,13 | 1,08 | -0,05 | -4,12% | here |
| 1.A.4.a i | 3,71 | 3,79 | 0,08 | 2,08% | here |
| 1.A.4.a ii | 0,880 | 0,876 | -0,004 | -0,48% | here |
| 1.A.4.b i | 34,77 | 34,95 | 0,19 | 0,54% | here |
| 1.A.4.b ii | 10,759 | 10,166 | -0,59 | -5,51% | here |
| 1.A.4.c i | 0,80 | 0,82 | 0,02 | 2,39% | here |
| 1.A.4.c ii | 9,27 | 9,18 | -0,09 | -0,97% | here |
| 1.A.4.c iii | 0,026 | 0,015 | -0,011 | -42,97% | here |
| 1.A.5.a | 0,05 | 0,07 | 0,02 | 33,84% | here |
| 1.A.5.b | 1,35 | 1,34 | -0,02 | -1,15% | here |
| 1.B.1.b | 3,26 | 3,36 | 0,10 | 3,05% | here |
| 1.B.2.a i | 5,820 | 5,821 | 0,001 | 0,01% | |
| 1.B.2.a iv | 12,23 | 3,91 | -8,32 | -68,02% | |
| 1.B.2.a v | 16,82 | 16,87 | 0,06 | 0,34% | |
| 1.B.2.b | 4,95 | 4,93 | -0,02 | -0,34% | |
| 1.B.2.c | 0,3591 | 0,3592 | 0,0001 | 0,01% | |
| NFR 2 - IPPU | 583,38 | 547,17 | -36,21 | -6,21% | sub-category chapters |
| 2.A.3 | 0,92 | 0,62 | -0,30 | -33,01% | here |
| 2.A.6 | 0,096 | 0,096 | 0,00 | 0,04% | here |
| 2.D.3.a | 91,18 | 78,43 | -12,75 | -13,99% | here |
| 2.D.3.d | 199,98 | 173,72 | -26,25 | -13,13% | here |
| 2.D.3.e | 40,56 | 39,47 | -1,08 | -2,67% | here |
| 2.D.3.g | 51,57 | 49,35 | -2,22 | -4,31% | here |
| 2.D.3.h | 63,59 | 53,15 | -10,45 | -16,43% | here |
| 2.D.3.i | 97,93 | 106,46 | 8,53 | 8,71% | here |
| NFR 3 - Agriculture | 304,39 | 302,05 | -2,33 | -0,77% | sub-category chapters |
| 3.B.1.a | 160,84 | 161,00 | 0,16 | 0,10% | here |
| 3.B.1.b | 90,15 | 87,97 | -2,18 | -2,42% | here |
| 3.B.4.d | 0,080 | 0,082 | 0,002 | 2,35% | here |
| 3.B.4.e | 2,81 | 3,00 | 0,19 | 6,68% | here |
| 3.B.4.g i | 8,89 | 8,88 | -0,01 | -0,11% | here |
| 3.B.4.g ii | 10,13 | 10,02 | -0,11 | -1,06% | here |

| | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|---------------|-----------------|--|
| NFR Sector | [kt] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 1.121,23 | 1.072,23 | -49,00 | -4,37% | sub-category chapters |
| NFR 1 - Energy | 214,71 | 204,04 | -10,67 | -4,97% | sub-category chapters |
| 3.B.4.g iii | 6,04 | 5,76 | -0,29 | -4,74% | here |
| 3.B.4.g iv | 2,65 | 2,55 | -0,10 | -3,85% | here |
| NFR 5 - Waste | 18,75 | 18,97 | 0,21 | 1,13% | sub-category chapters |
| 5.A | 3,788 | 3,786 | -0,001 | -0,04% | here |
| 5.C.2 | 14,80 | 15,02 | 0,21 | 1,44% | here |
| NFR 6 - Other | NA | | | | |