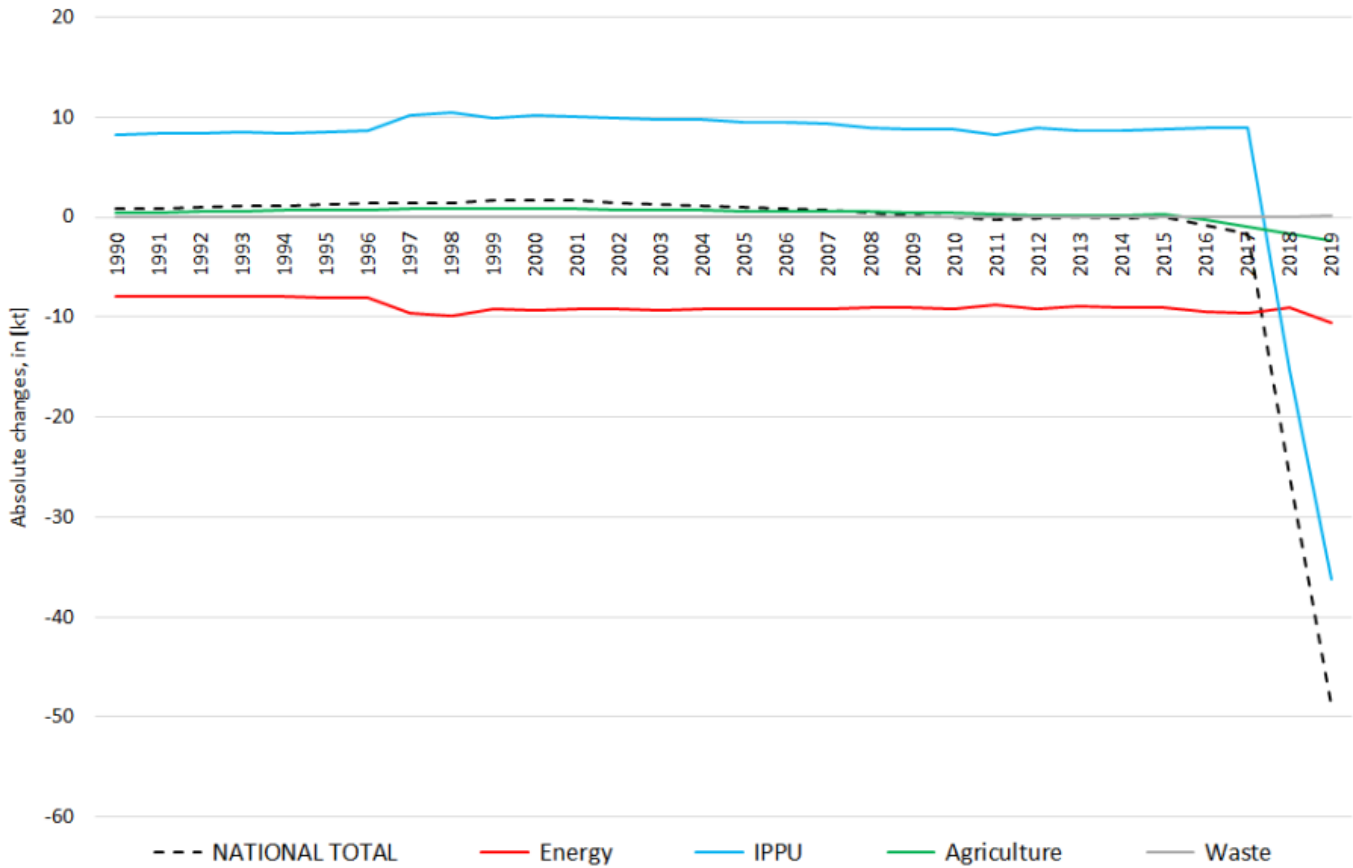
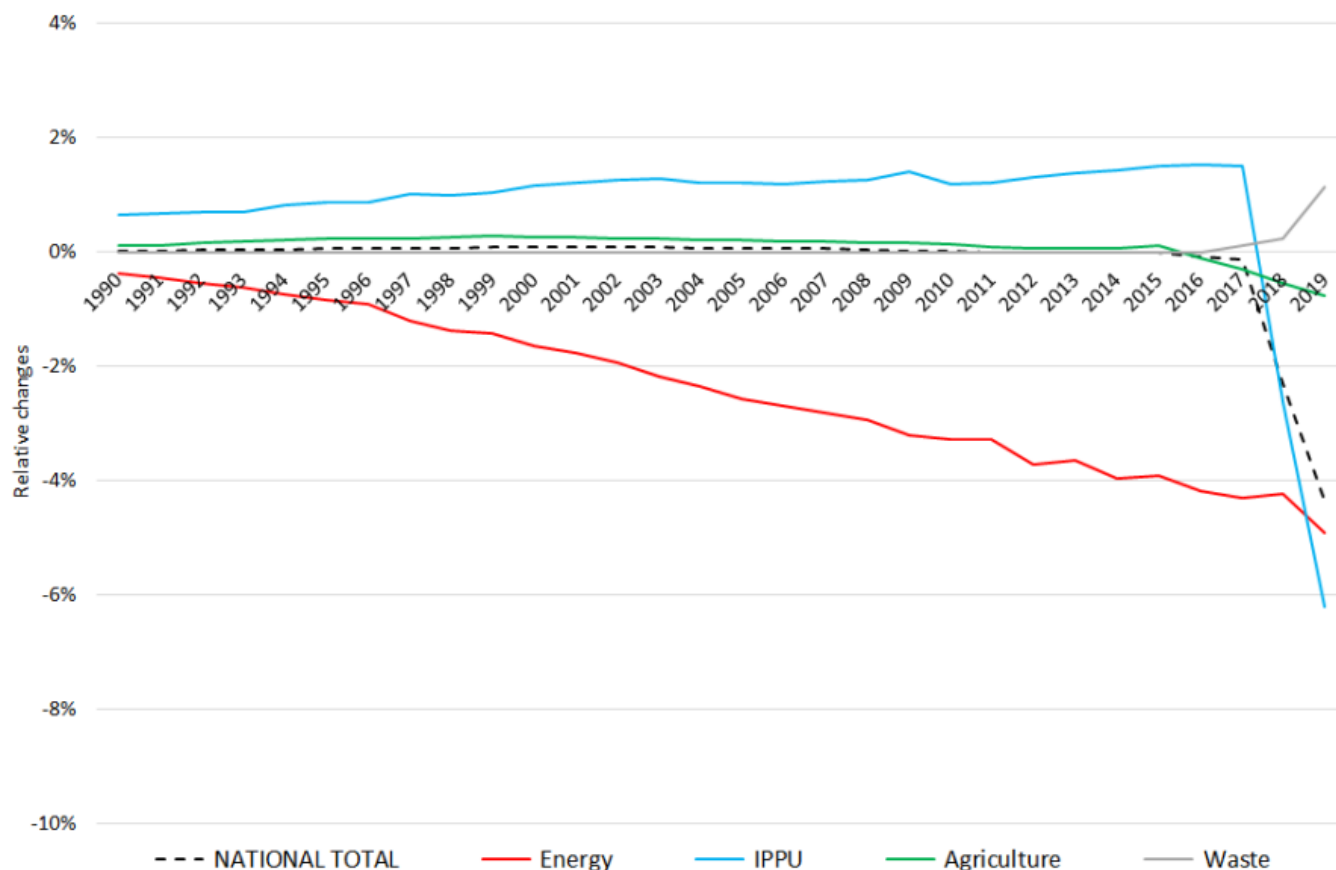


# Recalculations - Non-Methane Volatile Organic Compounds

Revision of NMVOC emissions over time





The significant changes within the **National Total reported for 1990 (+594 kt | +17.26 %)**

Table 1: Changes in emission estimates for 1990

Changes within the **National Total reported for 2018 (-15.31 kt | -1.34 %)** are dominated by decreased emission estimates **NFR 3**.

In **NFR 5**, emissions have been re-allocated with no impact on the sector's total emissions.

The strongest relative change occurs for **NFR 2.G with minus 50 %**.

Table 2: Changes in emission estimates for 2018

|                       | Submission 2020 | Submission 2021 | Difference    |               | Reasoning                         |
|-----------------------|-----------------|-----------------|---------------|---------------|-----------------------------------|
| NFR Code              | [kt]            |                 | absolute      | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>1.140,32</b> | <b>1.125,02</b> | <b>-15,31</b> | <b>-1,34%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>210,09</b>   | <b>214,58</b>   | <b>4,49</b>   | <b>2,14%</b>  | <b>sub-category chapters</b>      |
| 1.A.1.a               | 7,95            | 8,06            | 0,11          | 1,37%         | <a href="#">here</a>              |
| 1.A.1.b               | 0,75            | 0,90            | 0,15          | 19,64%        | <a href="#">here</a>              |
| 1.A.1.c               | 0,32            | 0,39            | 0,07          | 22,37%        | <a href="#">here</a>              |
| 1.A.2.a               | 0,255           | 0,259           | 0,004         | 1,50%         | <a href="#">here</a>              |
| 1.A.2.b               | 0,08            | 0,08            | 0,00          | 2,51%         | <a href="#">here</a>              |
| 1.A.2.e               | 0,02            | 0,02            | 0,002         | 8,50%         | <a href="#">here</a>              |
| 1.A.2.g vii           | 3,63            | 3,62            | -0,01         | -0,26%        | <a href="#">here</a>              |
| 1.A.2.g viii          | 6,04            | 5,65            | -0,38         | -6,37%        | <a href="#">here</a>              |
| 1.A.3.a i(i)          | 0,79            | 0,72            | -0,06         | -8,24%        | <a href="#">here</a>              |
| 1.A.3.a ii(i)         | 0,56            | 0,49            | -0,07         | -12,86%       | <a href="#">here</a>              |
| 1.A.3.b i             | 46,43           | 47,87           | 1,43          | 3,09%         | <a href="#">here</a>              |
| 1.A.3.b ii            | 1,57            | 1,49            | -0,09         | -5,41%        | <a href="#">here</a>              |
| 1.A.3.b iii           | 3,04            | 2,96            | -0,08         | -2,56%        | <a href="#">here</a>              |
| 1.A.3.b iv            | 14,75           | 15,20           | 0,45          | 3,07%         | <a href="#">here</a>              |
| 1.A.3.b v             | 19,73           | 20,26           | 0,53          | 2,67%         | <a href="#">here</a>              |
| 1.A.3.c               | 0,42            | 0,36            | -0,06         | -15,42%       | <a href="#">here</a>              |
| 1.A.3.d ii            | 1,08            | 1,19            | 0,11          | 10,50%        | <a href="#">here</a>              |

|                            |               |               |               |               |                                                  |                      |
|----------------------------|---------------|---------------|---------------|---------------|--------------------------------------------------|----------------------|
| 1.A.3.e i                  | 0,01          | 0,01          | 0,00          | 0,45%         | <a href="#">1.A.3.e i - Pipeline Transport ]</a> |                      |
| 1.A.4.a i                  | 3,82          | 3,42          | -0,40         | -10,52%       | <a href="#">here</a>                             |                      |
| 1.A.4.a ii                 | 1,146         | 0,904         | -0,242        | -21,08%       | <a href="#">here</a>                             |                      |
| 1.A.4.b i                  | 32,07         | 34,96         | 2,89          | 9,01%         | <a href="#">here</a>                             |                      |
| 1.A.4.b ii                 | 10,761        | 10,969        | 0,207         | 1,92%         | <a href="#">here</a>                             |                      |
| 1.A.4.c i                  | 0,79          | 0,78          | -0,01         | -1,47%        | <a href="#">here</a>                             |                      |
| 1.A.4.c ii                 | 9,39          | 9,45          | 0,07          | 0,69%         | <a href="#">here</a>                             |                      |
| 1.A.4.c iii                | 0,13032       | 0,13384       | 0,00352       | 2,70%         | <a href="#">here</a>                             |                      |
| 1.A.5.a                    | 0,06          | 0,06          | 0,00          | 1,28%         | <a href="#">here</a>                             |                      |
| 1.A.5.b                    | 1,11          | 1,11          | 0,00          | 0,01%         | <a href="#">here</a>                             |                      |
| 1.B.1.a                    | 0,00          | 0,01          | 0,00          | 260,00%       | <a href="#">here</a>                             |                      |
| 1.B.2.a iv                 | 12,27         | 12,27         | 0,00          | -0,01%        |                                                  |                      |
| 1.B.2.a v                  | 16,71         | 16,60         | -0,11         | -0,66%        |                                                  |                      |
| 1.B.2.b                    | 4,91          | 4,89          | -0,02         | -0,36%        |                                                  |                      |
| <b>NFR 2 - IPPU</b>        | <b>586,01</b> | <b>584,84</b> | <b>-1,17</b>  | <b>-0,20%</b> | <b>sub-category chapters</b>                     |                      |
| 2.A.3                      | 1,01          | 1,01          | 0,00          | 0,01%         |                                                  | <a href="#">here</a> |
| 2.G                        | 2,25          | 1,12          | -1,13         | -50,27%       | <a href="#">here</a>                             |                      |
| 2.H.1                      | 3,66          | 3,66          | 0,00          | 0,00%         | <a href="#">here</a>                             |                      |
| 2.H.2                      | 15,78         | 15,74         | -0,04         | -0,22%        |                                                  | <a href="#">here</a> |
| <b>NFR 3 - Agriculture</b> | <b>324,31</b> | <b>305,68</b> | <b>-18,63</b> | <b>-5,74%</b> | <b>sub-category chapters</b>                     |                      |
| 3.B.1.a                    | 169,97        | 160,81        | -9,16         | -5,39%        | <a href="#">here</a>                             |                      |
| 3.B.1.b                    | 101,42        | 91,95         | -9,47         | -9,34%        | <a href="#">here</a>                             |                      |
| <b>NFR 5 - Waste</b>       | <b>19,91</b>  | <b>19,91</b>  | <b>0,00</b>   | <b>0,00%</b>  | <b>sub-category chapters</b>                     |                      |
| 5.A                        | 3,99          | 3,98          | -0,01         | 0,30%         | <a href="#">here</a>                             |                      |
| 5.D.2                      | NA            | 0,01          | 0,01          |               | <a href="#">here</a>                             |                      |
| <b>NFR 6 - Other</b>       | <b>NA</b>     |               |               |               |                                                  |                      |