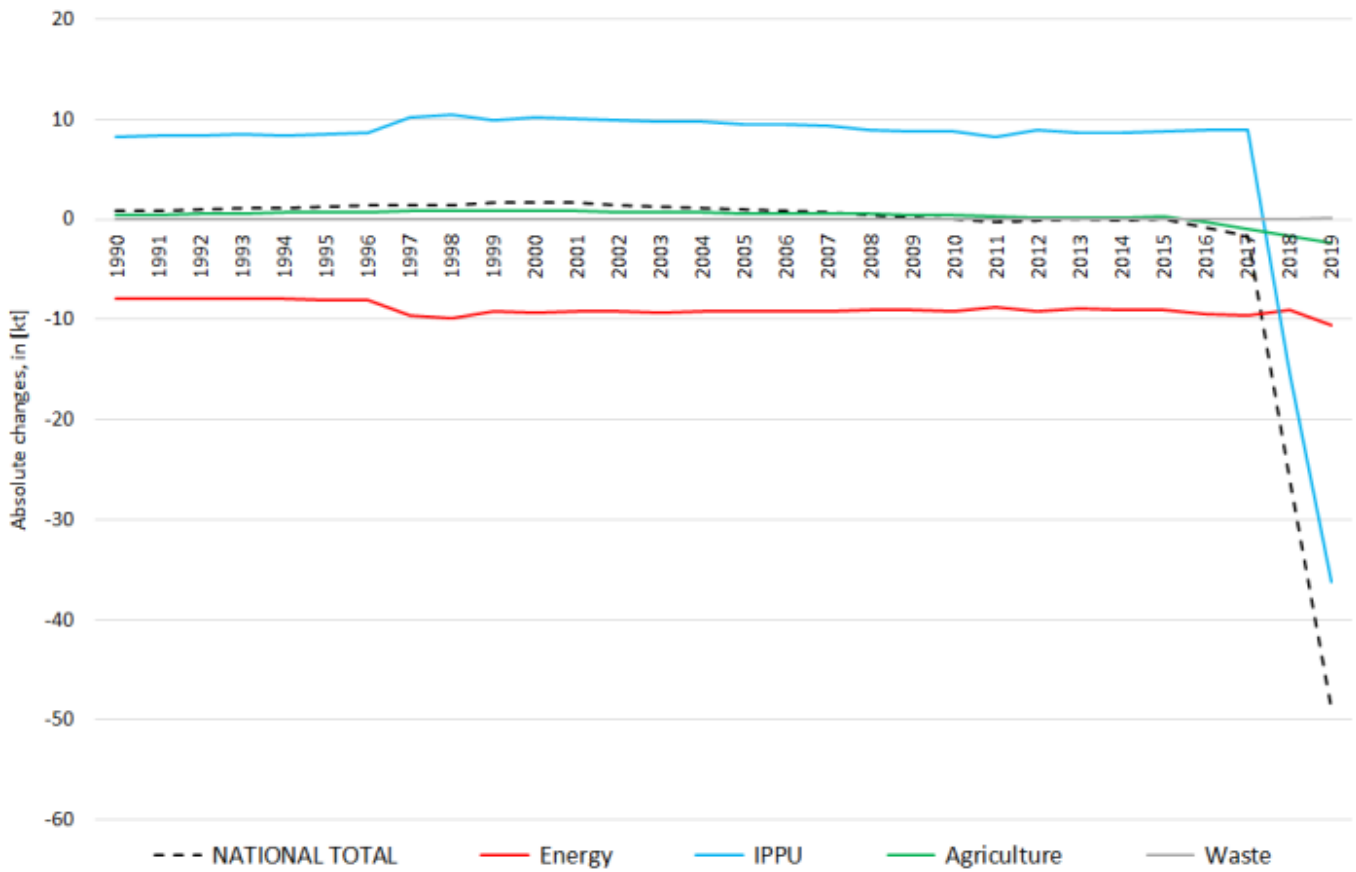
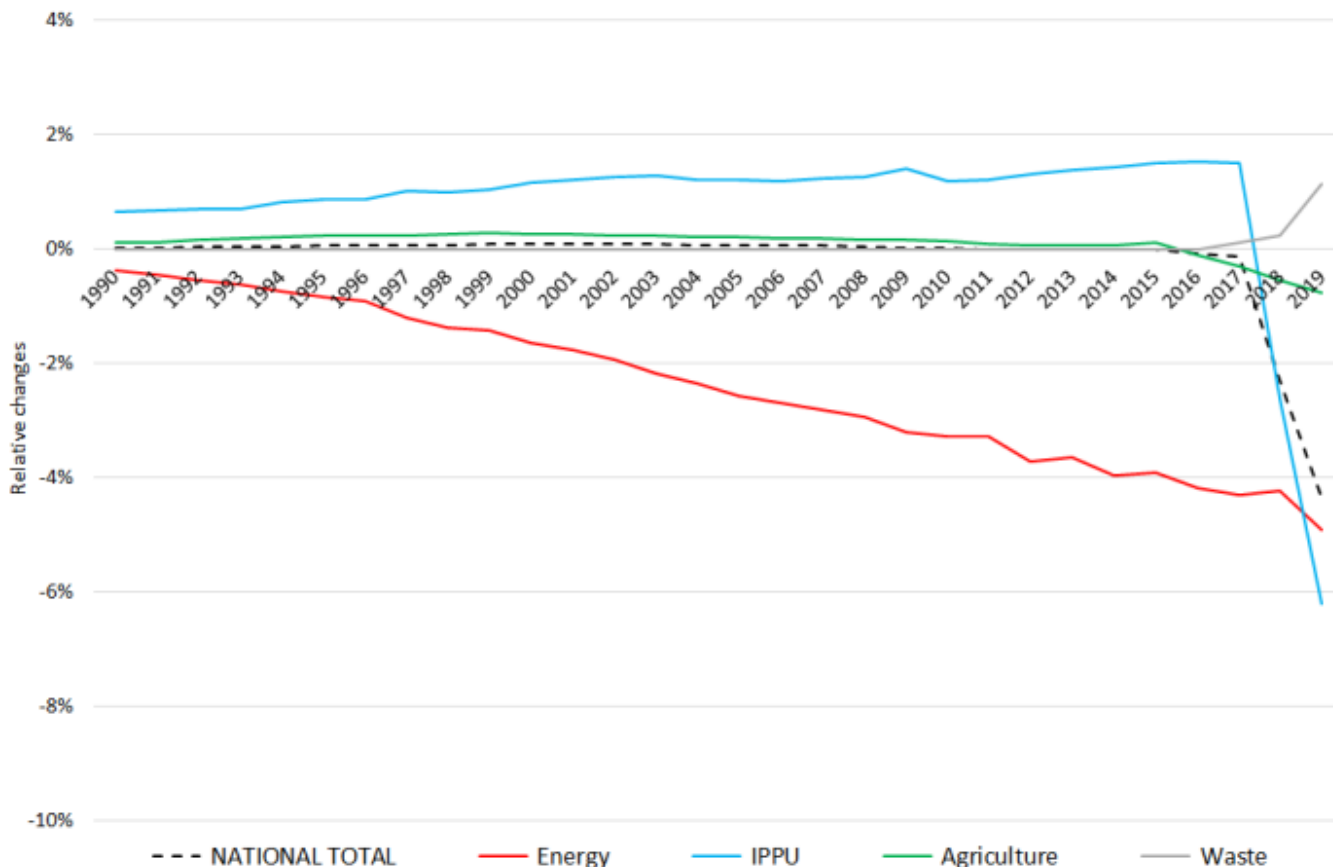


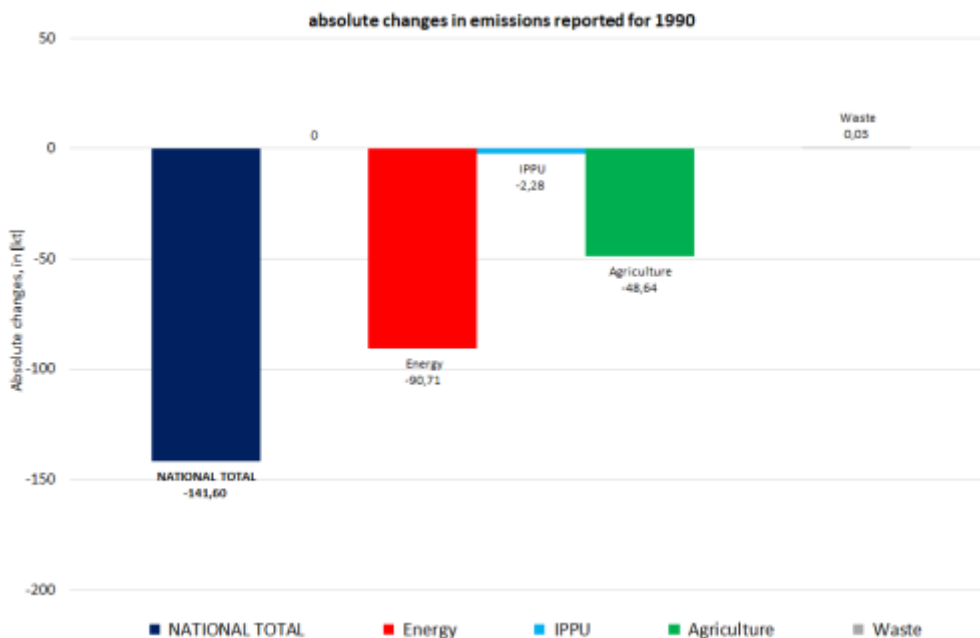
# Recalculations - Non-Methane Volatile Organic Compounds

Revision of NMVOC emissions over time



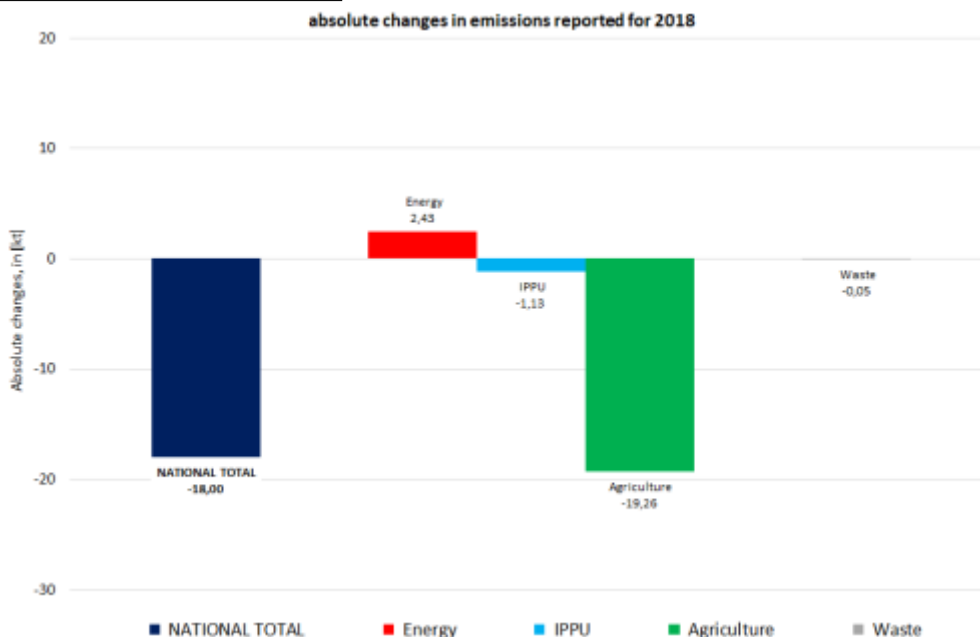


The significant changes within the National Total reported for 1990 (-142 kt | -3.53 %) are dominated by revisions in NFR sub-category 1.A.3.b i (-71.6 kt | -6 %) and NFR 3 (-48.6 kt | -11 %). **Table 1: Changes in emission estimates for 1990** ^



^ Submission 2020 ^ Submission 2021 ^ Difference | ^ Reasoning ^ ^ NFR Code ^ [kt] | | ^ relative ^ see description and reasoning in: ^ ^ NATIONAL TOTAL ^ 4,033,30 ^ 3,890,85 ^ -142,45 ^ -3,53% ^ sub-category chapters ^ ^ NFR 1 - Energy ^ 2,262,13 ^ 2,170,57 ^ -91,55 ^ -4,05% ^ sub-category chapters ^ | 1.A.2.g vii | 9,83 | 9,95 | 0,12 | 1,24% | here | | 1.A.2.g viii | 5,95 | 5,95 | 0,00 | 0,00% | here | | 1.A.3.a i(i) | 0,77 | 0,80 | 0,03 | 3,79% | here | | 1.A.3.a ii(i) | 1,75 | 0,50 | -1,25 | -71,55% | here | | 1.A.3.b i | 1,190,67 | 1,119,06 | -71,61 | -6,01% | here | | 1.A.3.b ii | 44,51 | 39,73 | -4,78 | -10,73% | here | | 1.A.3.b iii | 57,71 | 60,10 | 2,39 | 4,14% | here | | 1.A.3.b iv | 62,35 | 58,50 | -3,86 | -6,18% | here | | 1.A.3.b v | 214,70 | 201,42 | -13,28 | -6,18% | here | | 1.A.4.a ii | 2,34 | 2,35 | 0,01 | 0,47% | here | | 1.A.4.b ii | 12,22 | 12,48 | 0,26 | 2,09% | here | | 1.A.4.c ii | 31,72 | 32,17 | 0,45 | 1,42% | here | | 1.B.2.a v | 87,77 | 87,73 | -0,03 | -0,04% | | ^ NFR 2 - IPPU ^ 1,285,62 ^ 1,283,34 ^ -2,28 ^ -0,18% ^ sub-category chapters ^ | 2.G | 3,90 | 1,62 | -2,28 | -58,42% | here | ^ NFR 3 - Agriculture ^ 447,13 ^ 398,49 ^ -48,64 ^

-10,88% ^ sub-category chapters ^ | 3.B.1.a | 231,88 | 196,61 | -35,27 | -15% | [here](#) | | 3.B.1.b | 167,09 | 153,72 | -13,37 | -8,00% | [here](#) | ^ NFR 5 - Waste ^ 38,42 ^ 38,45 ^ 0,03 ^ 0,07% ^ sub-category chapters ^ | 5.D.2 | NA | 0,03 | 0,03 | | [here](#) | ^ NFR 6 - Other ^ NA |||^ ^ **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] ||^ relative ^ see description and reasoning in: ^ ^ **NATIONAL TOTAL** ^ 1.140,32 ^ 1.125,02 ^ -15,31 ^ -1,34% ^ sub-category chapters ^ ^ NFR 1 - Energy ^ 210,09 ^ 214,58 ^ 4,49 ^ 2,14% ^ sub-category chapters ^ | 1.A.1.a | 7,95 | 8,06 | 0,11 | 1,37% | [here](#) | | 1.A.1.b | 0,75 | 0,90 | 0,15 | 19,64% | [here](#) | | 1.A.1.c | 0,32 | 0,39 | 0,07 | 22,37% | [here](#) | | 1.A.2.a | 0,255 | 0,259 | 0,004 | 1,50% | [here](#) | | 1.A.2.b | 0,08 | 0,08 | 0,00 | 2,51% | [here](#) | | 1.A.2.e | 0,02 | 0,02 | 0,002 | 8,50% | [here](#) | | 1.A.2.g vii | 3,63 | 3,62 | -0,01 | -0,26% | [here](#) | | 1.A.2.g viii | 6,04 | 5,65 | -0,38 | -6,37% | [here](#) | | 1.A.3.a i(i) | 0,79 | 0,72 | -0,06 | -8,24% | [here](#) | | 1.A.3.a ii(i) | 0,56 | 0,49 | -0,07 | -12,86% | [here](#) | | 1.A.3.b i | 46,43 | 47,87 | 1,43 | 3,09% | [here](#) | | 1.A.3.b ii | 1,57 | 1,49 | -0,09 | -5,41% | [here](#) | | 1.A.3.b iii | 3,04 | 2,96 | -0,08 | -2,56% | [here](#) | | 1.A.3.b iv | 14,75 | 15,20 | 0,45 | 3,07% | [here](#) | | 1.A.3.b v | 19,73 | 20,26 | 0,53 | 2,67% | [here](#) | | 1.A.3.c | 0,42 | 0,36 | -0,06 | -15,42% | [here](#) | | 1.A.3.d ii | 1,08 | 1,19 | 0,11 | 10,50% | [here](#) | | 1.A.3.e i | 0,01 | 0,01 | 0,00 | 0,45% | [1.A.3.e i - Pipeline Transport](#) | | 1.A.4.a i | 3,82 | 3,42 | -0,40 | -10,52% | [here](#) | | 1.A.4.a ii | 1,14 | 0,90 | -0,24 | -21,08% | [here](#) | | 1.A.4.b i | 32,07 | 34,96 | 2,89 | 9,01% | [here](#) | | 1.A.4.b ii | 10,76 | 10,97 | 0,21 | 1,92% | [here](#) | | 1.A.4.c i | 0,79 | 0,78 | -0,01 | -1,47% | [here](#) | | 1.A.4.c ii | 9,39 | 9,45 | 0,07 | 0,69% | [here](#) | | 1.A.4.c iii | 0,130 | 0,134 | 0,004 | 2,70% | [here](#) | | 1.A.5.a | 0,06 | 0,06 | 0,00 | 1,28% | [here](#) | | 1.A.5.b | 1,11 | 1,11 | 0,00 | 0,01% | [here](#) | | 1.B.1.a | 0,002 | 0,006 | 0,004 | 260% | [here](#) | | 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% | | ^ NFR 2 - IPPU ^ 586,01 ^ 584,84 ^ -1,17 ^ -0,20% ^ sub-category chapters ^ | 2.G | 2,25 | 1,12 | -1,13 | -50,27% | [here](#) | | 2.H.1 | 3,66 | 3,66 | 0,00 | 0,00% | [here](#) | | 2.H.2 | 15,78 | 15,74 | -0,04 | -0,22% | [here](#) | ^ NFR 3 - Agriculture ^ 324,31 ^ 305,68 ^ -18,63 ^ -5,74% ^ sub-category chapters ^ | 3.B.1.a | 169,97 | 160,81 | -9,16 | -5,39% | [here](#) | | 3.B.1.b | 101,42 | 91,95 | -9,47 | -9,34% | [here](#) | ^ NFR 5 - Waste ^ 19,91 ^ 19,91 ^ 0,00 ^ 0,00% ^ sub-category chapters ^ | 5.A | 3,99 | 3,98 | -0,01 | 0,30% | [here](#) | | 5.D.2 | NA | 0,01 | 0,01 | | [here](#) | ^ NFR 6 - Other\*\* ^ NA |||^ ^