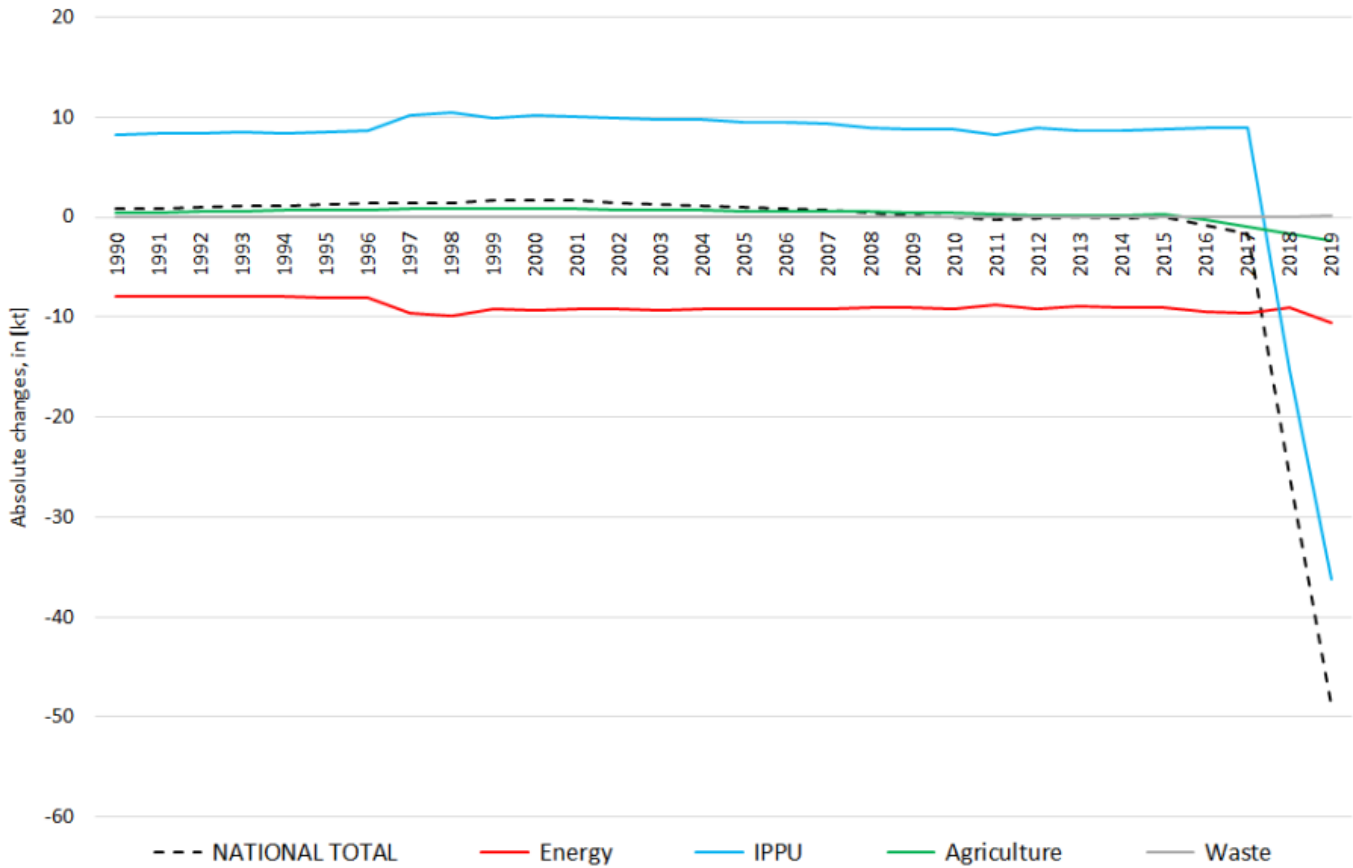
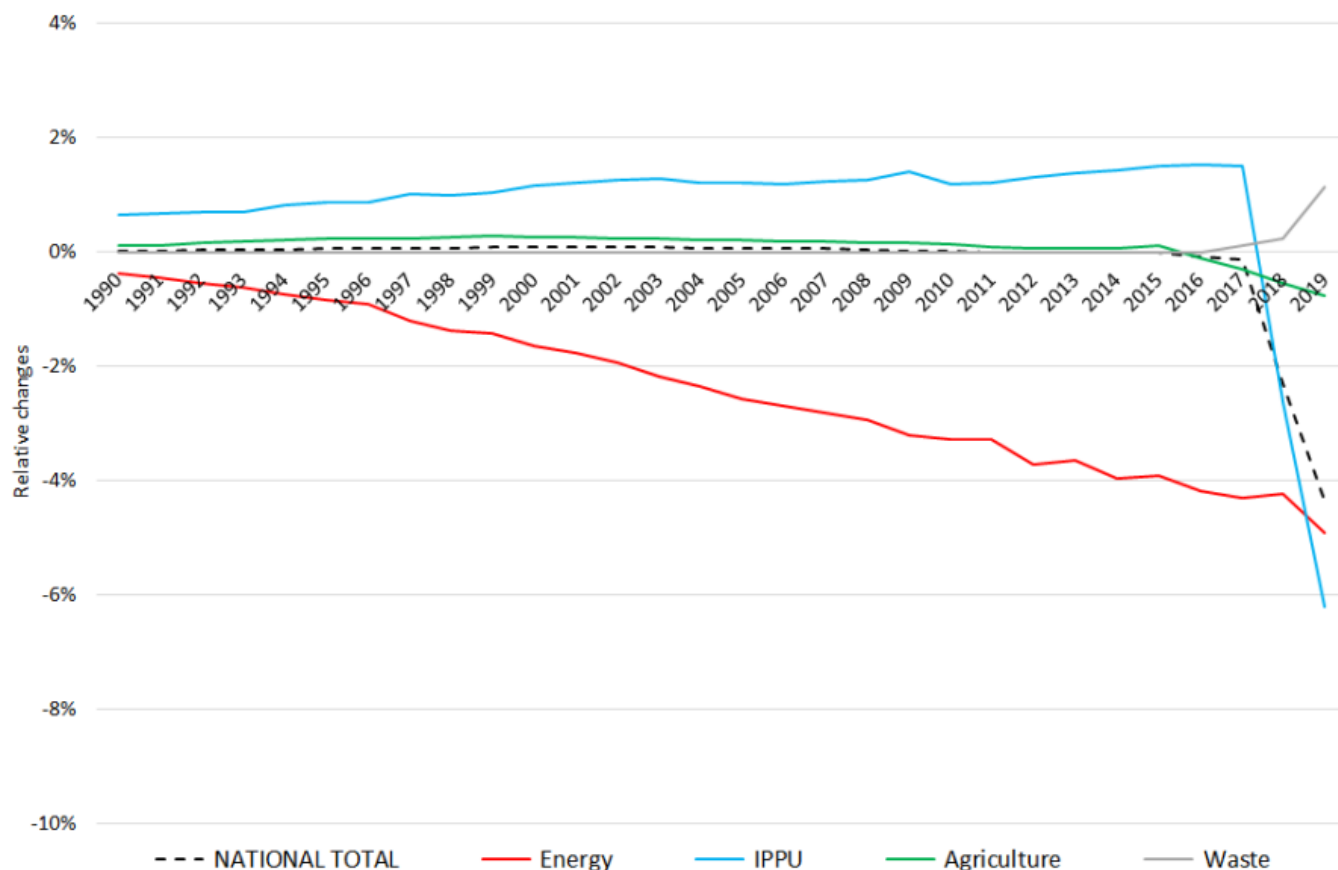


Recalculations - Non-Methane Volatile Organic Compounds

Revision of NMVOC emissions over time





The significant changes within the **National Total reported for 1990 (+594 kt | +17.26 %)** are dominated by increased emission estimates from **NFRs 1.A.3.b i, ii, iii and 1.A.3.b v as well as 3.B.1.a and b** and newly implemented emissions in **NFRs 5.A and 5.C.2**.

In **NFR 2 - IPPU**, emissions from 2.D.3.a have been re-allocated to **NFRs 2.D.3.f, h and i** with no impact on the sector's total emissions.

Due to newly implemented emission estimates, the strongest relative change occurs for **NFR 5 with +30,040%**.

Table 1: Changes in emission estimates for 1990

	Submission 2020	Submission 2021	Difference		Reasoning	
NFR Code	[kt]		absolute	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	

	Submission 2020	Submission 2021	Difference		Reasoning	
NFR Code	[kt]		absolute	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.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	1,146	0,904	-0,242	-21,08%	here	
1.A.4.b i	32,07	34,96	2,89	9,01%	here	
1.A.4.b ii	10,761	10,969	0,207	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	0,13032	0,13384	0,00352	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	0,00	0,01	0,00	260,00%	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.A.3	1,01	1,01	0,00	0,01%		here
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					

Changes within the **National Total reported for 2018 (+96.66 kt | +9.04 %)** are dominated by revisions in **NFRs 3.B.1.a and b, 5.A and 5.C.2.**

In addition, several changes occur throughout **NFRs 1 and 2.**

Due to newly implemented emission estimates, the strongest relative change occurs for **NFR 5 with +13,301%.**

Table 2: Changes in emission estimates for 2018