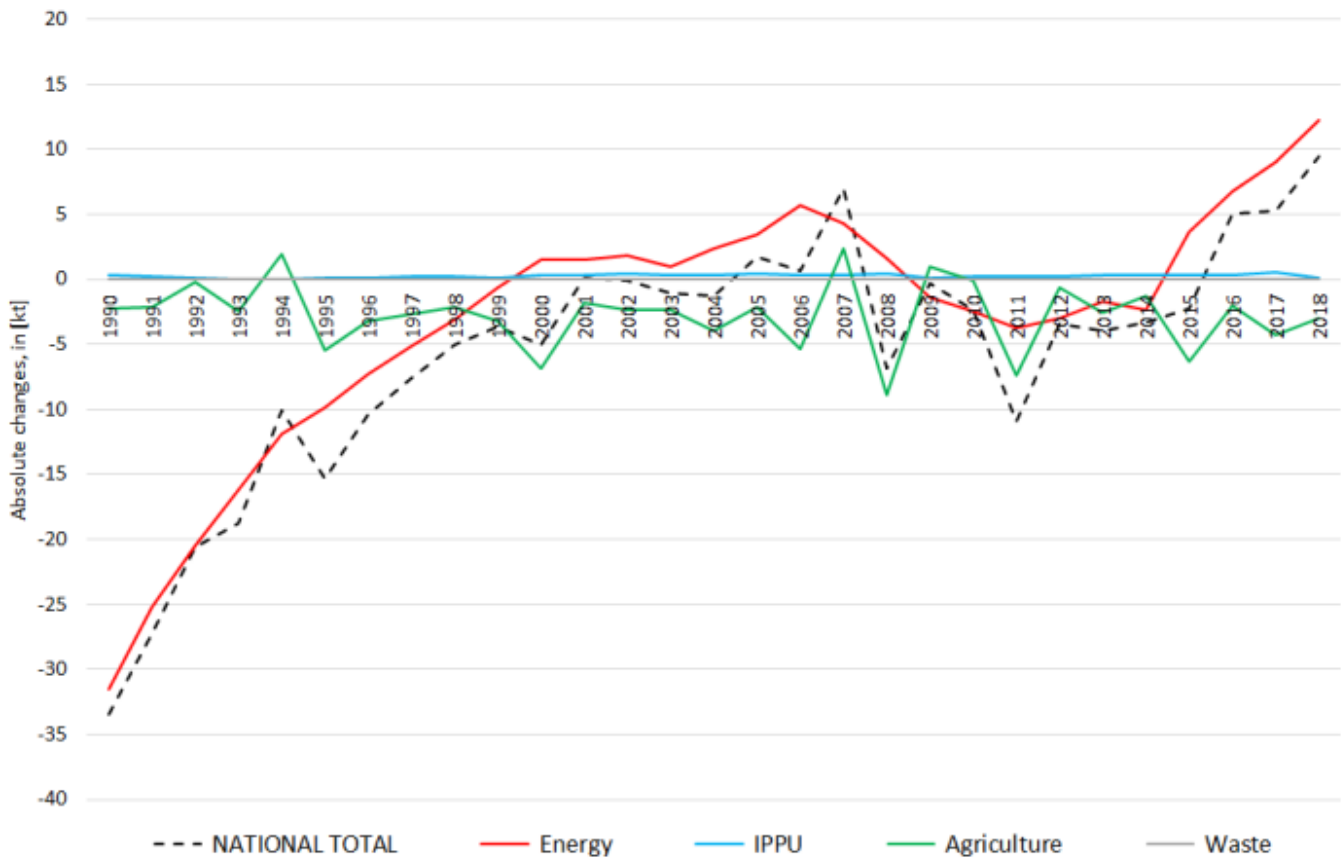
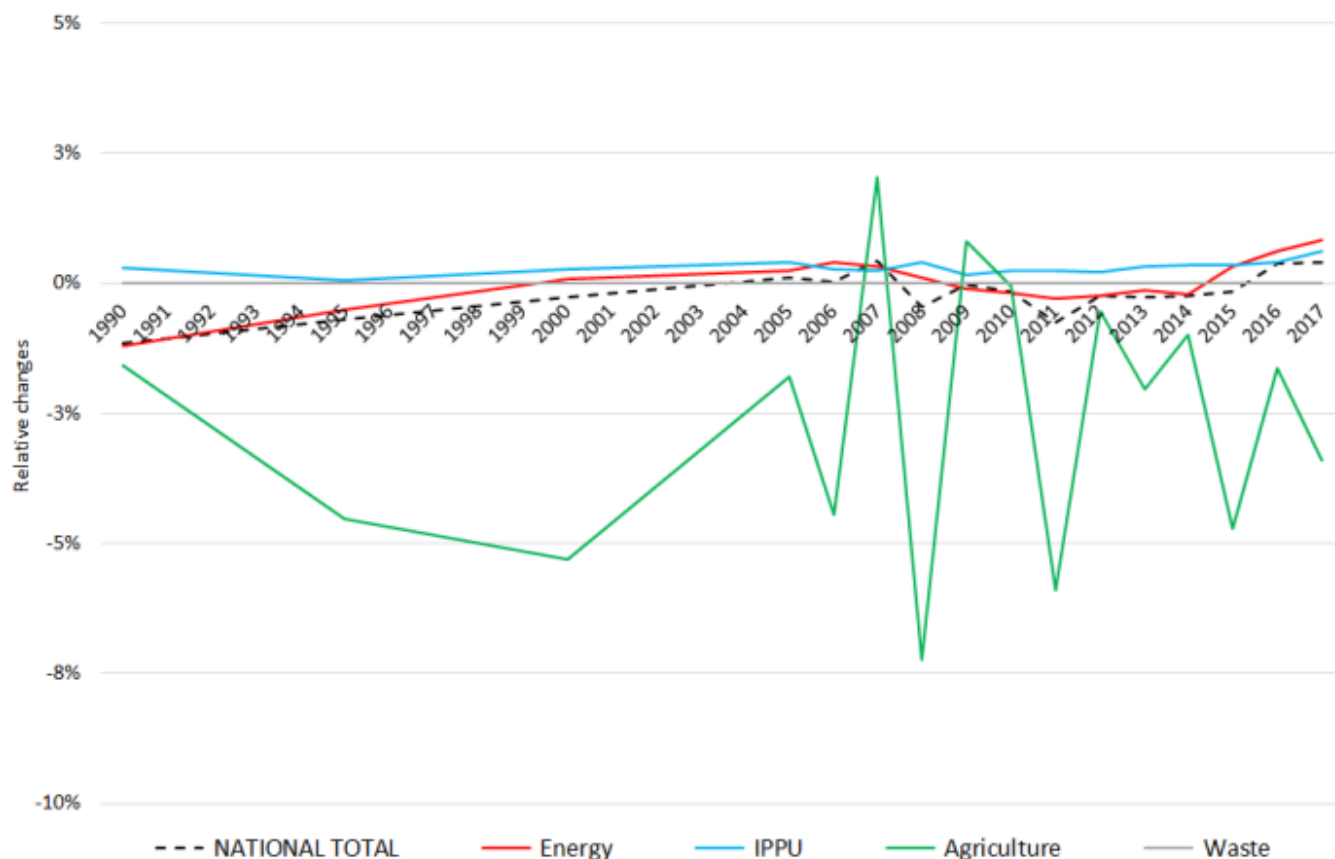


Recalculations - Nitrogen Oxides

Revision of NO_x emissions over time





The changes within the **National Total reported for 1990 (-34 kt | -1.19 %)** are dominated by changes in **NFRs 1.A.3.b i, 1.A.3.b ii and 1.A.3.b iii** together with less significant revisions throughout NFRs 1, 2 and 3.

Here, the strongest relative change occurs for **NFR 2.G with minus 58 %**.

Table 1: Changes of emission estimates 1990

absolute changes in emissions reported for 1990					Submission 2020	Submission 2021	Difference	Reasoning	
Absolute changes, in [kt]									
■ NATIONAL TOTAL ■ Energy ■ IPPU ■ Agriculture ■ Waste									
NFR Code					[kt]			relative	see description and reasoning in
NATIONAL TOTAL					2.884,38	2.850,05	-34,33	-1,19%	sub-category chapters
NFR 1 - Energy					2.634,24	2.601,88	-32,36	-1,23%	sub-category chapters
1.A.2.g vii					49,60	50,23	0,63	1,28%	here
1.A.3.a i(i)					3,88	3,94	0,06	1,54%	here
1.A.3.a ii(i)					2,85	2,80	-0,05	-1,90%	here

absolute changes in emissions reported for 1990 Legend: NATIONAL TOTAL (dark blue), Energy (red), IPPU (light blue), Agriculture (green), Waste (grey).					Submission 2020	Submission 2021	Difference	Reasoning
NFR Code	[kt]			relative	see description and reasoning in: sub-category chapters			
NATIONAL TOTAL	2.884,38	2.850,05	-34,33	-1,19%	sub-category chapters			
NFR 1 - Energy	2.634,24	2.601,88	-32,36	-1,23%	sub-category chapters			
1.A.3.b i	808,22	765,68	-42,54	-5,26%	here			
1.A.3.b ii	41,49	31,49	-10,00	-24,11%	here			
1.A.3.b iii	485,89	506,00	20,11	4,14%	here			
1.A.3.b iv	2,61	2,45	-0,16	-6,18%	here			
1.A.4.a ii	11,52	11,60	0,08	0,67%	here			
1.A.4.b ii	0,07	0,06	-0,01	-8,44%	here			
1.A.4.c ii	49,78	49,31	-0,475	-0,95%	here			
NFR 2 - IPPU	106,06	106,37	0,31	0,29%	sub-category chapters			
2.C.3	NA	0,74	0,74		here			
2.G	0,74	0,31	-0,43	-58,05%	here			
NFR 3 - Agriculture	143,55	141,27	-2,28	-1,59%	sub-category chapters			
3.B.1.a	0,72	0,67	-0,05	-7,07%	here			
3.B.1.b	0,79	0,70	-0,09	-11,65%	here			
3.B.4.g iii	0,00337	0,00339	0,00002	0,48%	here			
3.D.a.1	85,31	86,57	1,256	1,47%	here			
3.D.a.2.a	46,65	43,46	-3,19	-6,84%	here			
3.D.a.3	8,65	8,44	-0,21	-2,42%	here			
NFR 5 - Waste	0,53	0,53	0,00	0,00%				
NFR 6 - Other	NA							

The changes within the **National Total** reported for 2017 (+100.56 kt | +8.47 %) are dominated by changes in **NFRs 1.A.3.b i, 1.A.3.b ii and 1.A.3.b iii** together with less significant revisions throughout NFRs 1, 2 and 3.

Here, the strongest relative change occurs for **NFR 1.B.2.a iv (+824,150 %)**.

Table 2: Changes of emission estimates 2017

3.B.1.a	> 0.523	> 0.522	> -0.001	> -0.19%	< here]
3.B.1.b	> 0.574	> 0.581	> 0.007	> 1.15%	< here]
3.B.2	> 0.011	> 0.011	> 0.000	> 0.00%	< here]
3.B.3	> 0.3468	> 0.3464	> -0.0004	> -0.11%	< here]
3.B.4.g i	> 0.0171	> 0.0176	> 0.0005	> 3.06%	< here]
3.B.4.g ii	> 0.0174	> 0.0177	> 0.0003	> 1.85%	< here]
3.B.4.g iii	> 0.0103	> 0.0109	> 0.0006	> 5.34%	< here]
3.B.4.g iv	> 0.0023	> 0.0020	> -0.0002	> -9.49%	< here]
3.D.a.2.a	> 40.38	> 40.45	> 0.07	> 0.17%	< here]
3.D.a.2.b	> 0.74	> 0.56	> -0.18	> -24.29%	< here]
3.D.a.2.c	> 11.91	> 11.72	> -0.20	> -1.64%	< here]
3.D.a.3	> 5.64	> 5.75	> 0.11	> 1.88%	< here]
3.I	> 0.178	> 0.176	> -0.002	> -1.23%	<
NFR 5 - Waste	> 0.79	> 0.79	> 0.00	> 0.00%	<
NFR 6 - Other					= NA