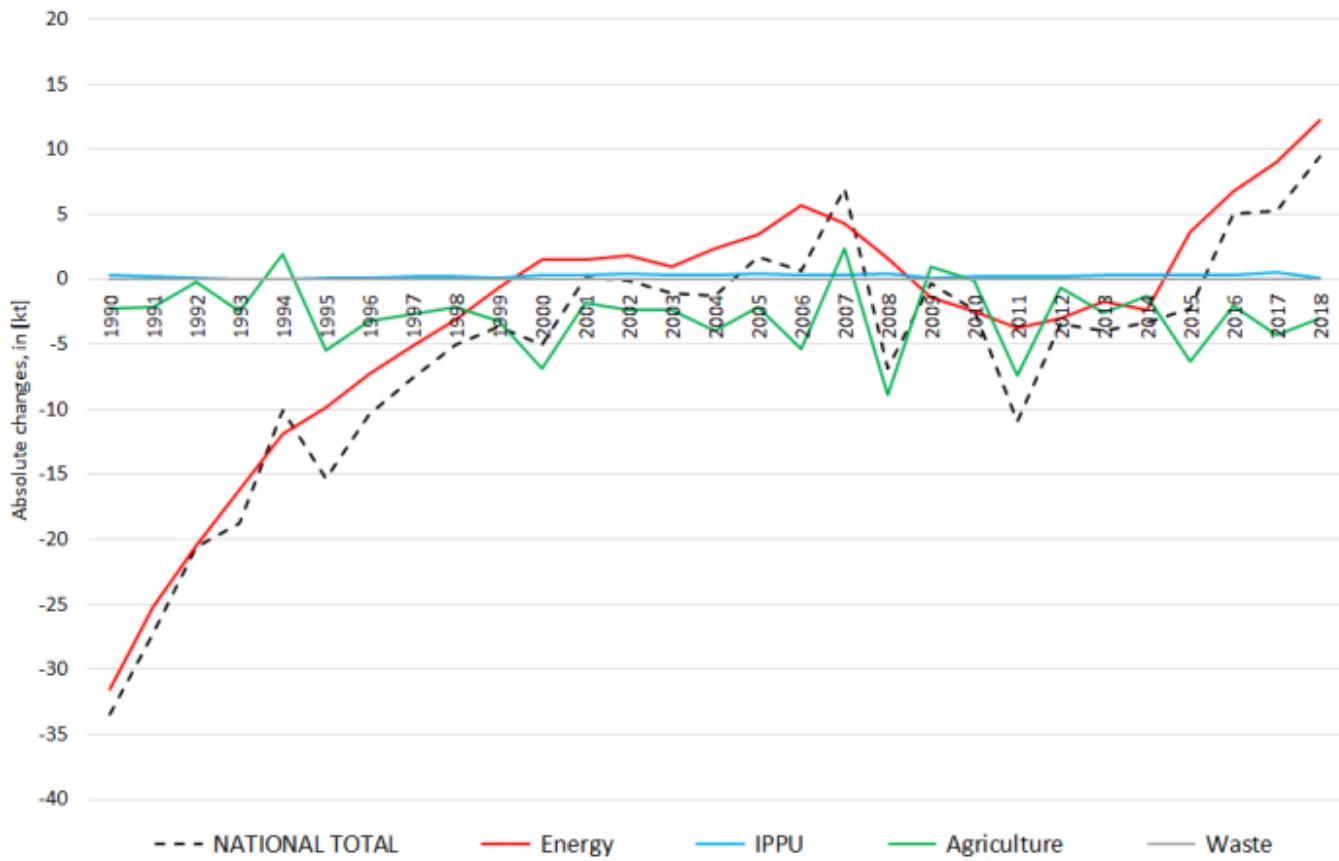
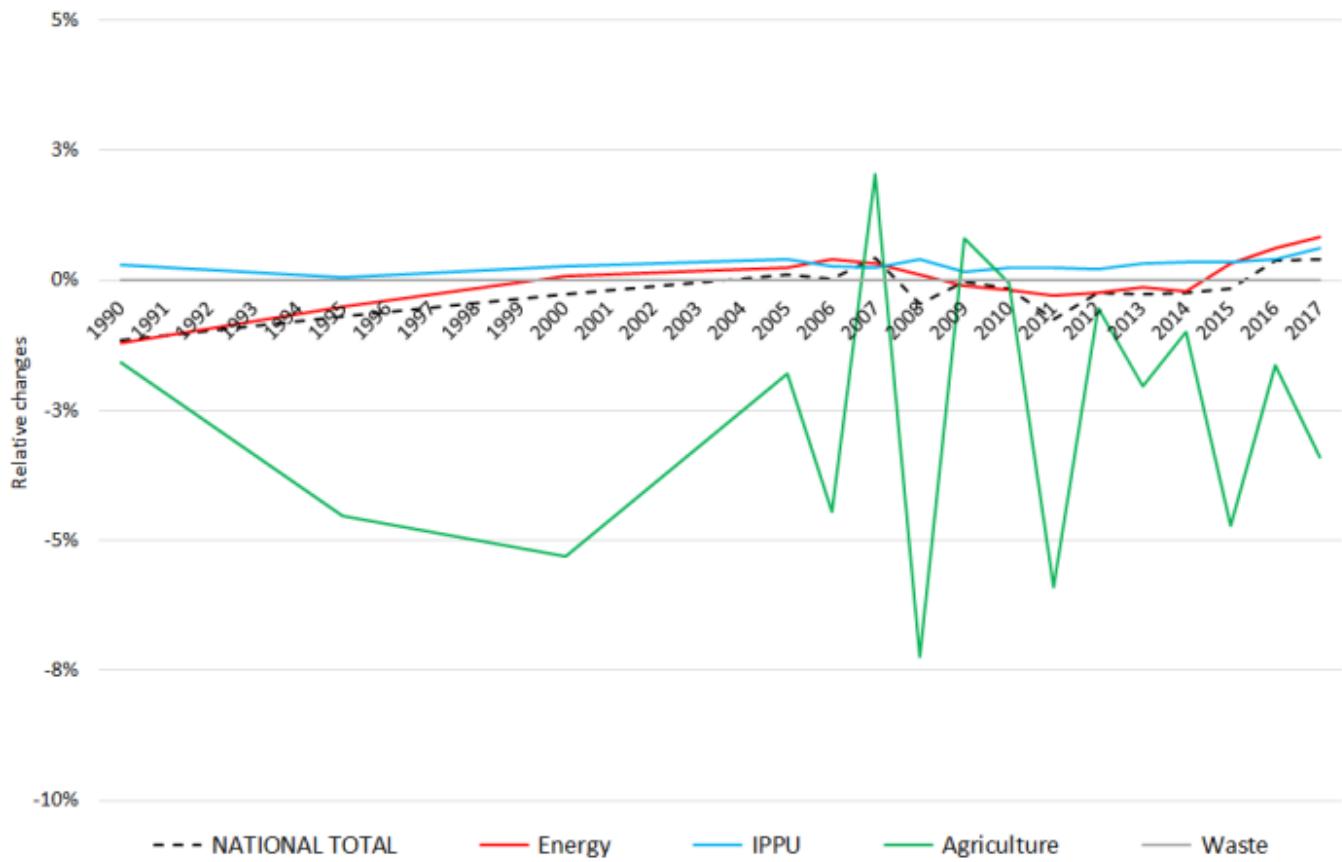


Recalculations - Nitrogen Oxides

Revision of NO_x emissions over time

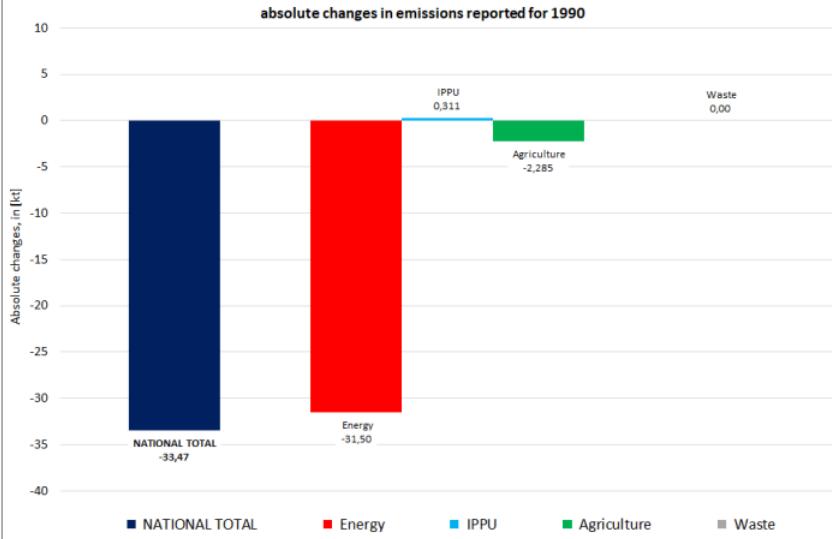




The small changes within the **National Total reported for 1990 (-4.38 kt | -0.15 %)** are dominated by changes in **NFRs 1.A.3.b i, 1.A.3.b ii and 1.A.3.b iii** together with less significant revisions throughout NFRs 1, 2 and 3. Here, the strongest relative change occurs for **NFR 1.B.2.a iv (+222,250 %)**.

Table 1: Changes of emission estimates 1990

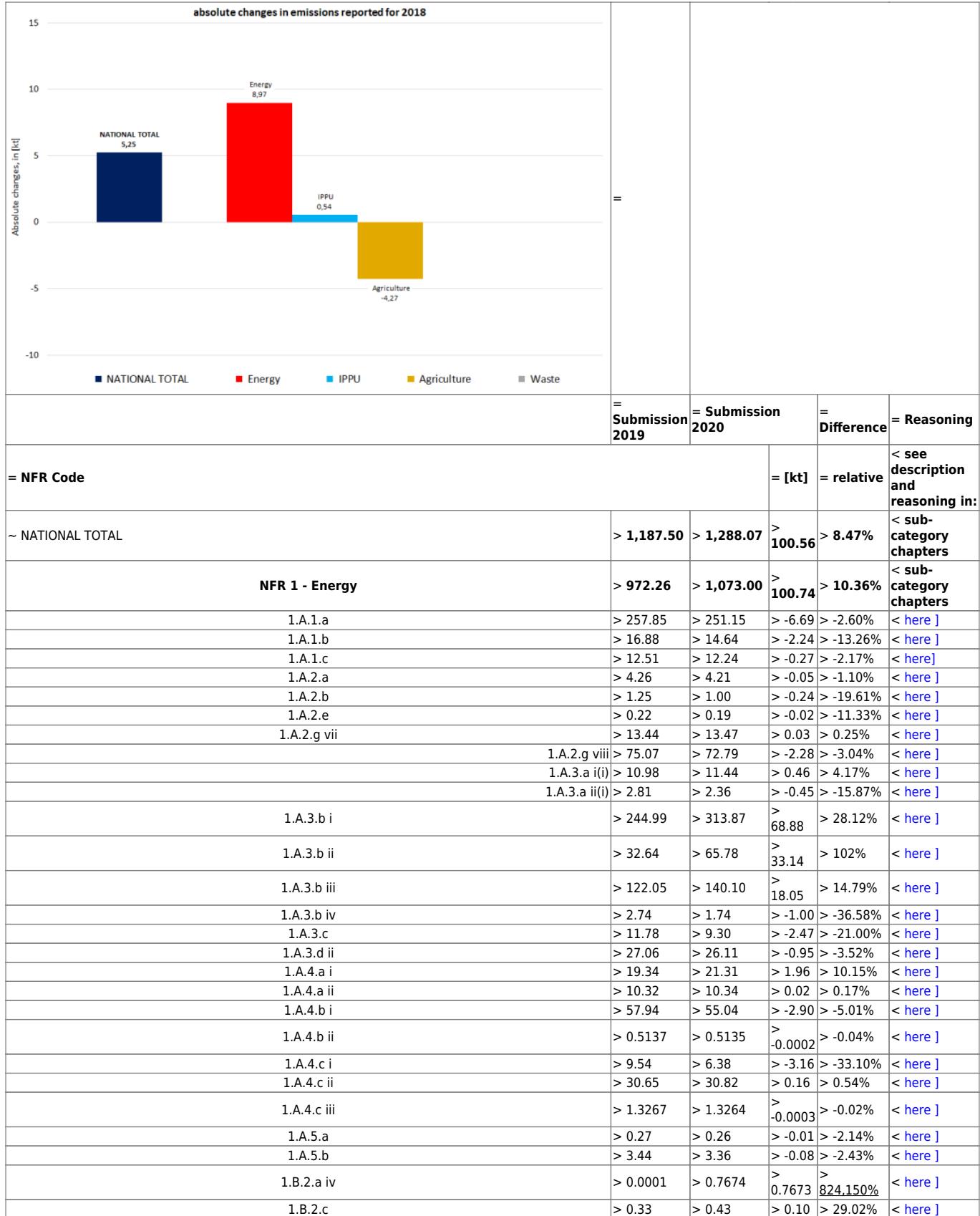
absolute changes in emissions reported for 1990		Submission 2020	Submission 2021	Difference	Reasoning
NFR Code	[kt]				
NATIONAL TOTAL	-33,47				
Energy	-31,50				
IPPU	0,311				
Agriculture	-2,285				
Waste	0,00				
NATIONAL TOTAL	2.884,38	2.850,05	-34,334	-1,19%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	2.634,24	2.601,88	-32,360	-1,23%	see description and reasoning in: sub-category chapters

 <p>absolute changes in emissions reported for 1990</p> <p>Absolute changes, in [kt]</p> <p>NATIONAL TOTAL -33,47</p> <p>Energy +31,50</p> <p>IPPU 0,311</p> <p>Agriculture -2,285</p> <p>Waste 0,00</p>	Submission 2020	Submission 2021	Difference	Reasoning	
NFR Code	[kt]				
1.A.2.g vii	49,60	50,23	0,633	1,28%	see description and reasoning in: 1.A.2.g vii - Mobile Combustion in Manufacturing Industries & Construction]
1.A.3.a i(i)	3,88	3,94	0,060	1,54%	here
1.A.3.a ii(i)	2,85	2,80	-0,054	-1,90%	here
1.A.3.b i	808,22	765,68	-42,539	-5,26%	1.A.3.b i - Road Transport: Passenger Cars]
1.A.3.b ii	41,49	31,49	-10,006	-24,11%	1.A.3.b ii - Road Transport: Light duty vehicles]
1.A.3.b iii	485,89	506,00	20,111	4,14%	1.A.3.b iii - Road Transport: Heavy duty vehicles]
1.A.3.b iv	2,61	2,45	-0,162	-6,18%	1.A.3.b iv - Road Transport: Mopeds & Motorcycles]
1.A.4.a ii	11,52	11,60	0,077	0,67%	1.A.4.a ii - Commercial & Institutional: Mobile]
1.A.4.b ii	0,07	0,06	-0,006	-8,44%	1.A.4.b ii - Households: Mobile]
1.A.4.c ii	49,78	49,31	-0,475	-0,95%	1.A.4.c ii - Agriculture / Forestry / Fishery: Mobile]
NFR 2 - IPPU	106,06	106,37	0,311	0,29%	sub-category chapters
2.C.3	NA	0,74	0,74		2.C.3 - Aluminum Production]
2.G	0,74	0,31	-0,429	-58,05%	2.G - Other Product Use]
NFR 3 - Agriculture	143,55	141,27	-2,28	-1,59%	sub-category chapters
3.B.1.a	0,72	0,67	-0,051	-7,07%	here
3.B.1.b	0,7876	0,6958	-0,0918	-11,65%	here
3.B.4.g iii	0,0033688	0,0033850	0,0000162	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	-3,189	-6,84%	here
3.D.a.3	8,65	8,44	-0,209	-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



NFR 2 - IPPU	> 88.67	> 88.68	> 0.01	> 0.02%	< sub-category chapters
2.A.2	> 4.123	> 4.122	> -0.002	> -0.04%	< here]
2.A.6	> 2.49	> 2.13	> -0.36	> -14.51%	< here]
2.G	> 0.434	> 0.435	> 0.001	> 0.13%	< here]
2.H.1	> 2.78	> 3.01	> 0.23	> 8.27%	< here]
NFR 3 - Agriculture	> 125.79	> 125.60	> -0.20	> -0.16%	< sub-category chapters
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