

Recalculations - Sulphur Oxides

Revision of SO_x emissions over time



The marginal changes in the **National Total reported for 1990 (+1.51 kt | +0.03 %)** result almost entirely from revised emission estimates in **NFR 2.C.7.a** together with less significant changes throughout NFRs 1 and 2.

Table 1: Changes in emission estimates for 1990

NFR Code	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	5.472,91	5.474,42	1,51	0,03%	sub-category chapters
NFR 1 - Energy	5.297,93	5.297,93	0,00	0,00%	sub-category chapters
1.A.2.g vii	3,78	3,84	0,06	1,63%	here
1.A.3.a i(i)	0,27	0,26	-0,01	-3,10%	here
1.A.3.a ii(i)	0,17	0,18	0,01	6,27%	here
1.A.3.b i	33,25	33,07	-0,18	-0,53%	here
1.A.3.b ii	3,60	2,34	-1,26	-35,09%	here
1.A.3.b iii	35,10	36,55	1,45	4,14%	here
1.A.3.b iv	0,24	0,22	-0,01	-6,18%	here
1.A.4.a ii	0,62	0,63	0,01	0,94%	here
1.A.4.c ii	4,55	4,49	-0,07	-1,48%	here
NFR 2 - IPPU	174,88	176,39	1,51	0,86%	sub-category chapters
2.C.7.a	1,43	2,94	1,51	106%	here
2.G	0,0542	0,0546	0,0003	0,62%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0,11	0,11	0,00	0,00%	
NFR 6 - Other	NA				

The significant changes in the **National Total reported for 2017 (-13.76 kt | -4.36 %)** result mainly from revisions in **NFRs 1.A.2.g viii (-4.51 kt), 1.B.2.a iv (+ 4.51 kt) and 2.B.10.a (-9.18 kt)** together with less significant changes throughout NFRs 1 and 2.

However, the strongest relative changes occur for **NFR 1.B.2.a iv (+1,642,148 %)**, followed by **NFRs 1.A.3.a i(i) (+361 %) and 1.A.3.a ii(i) (+293 %)**.

Table 2: Changes in emission estimates for 2018

NFR Code	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	288,97	291,78	2,81	0,97%	sub-category chapters
NFR 1 - Energy	219,59	222,08	2,49	1,13%	sub-category chapters
1.A.1.a	120,87	123,03	2,16	1,78%	here
1.A.1.b	31,02	32,70	1,68	5,42%	here
1.A.1.c	7,98	9,54	1,56	19,61%	here
1.A.2.a	5,08	5,01	-0,07	-1,33%	here
1.A.2.b	0,40	0,39	-0,01	-3,38%	here
1.A.2.e	0,74	0,80	0,05	7,03%	here
1.A.2.g vii	0,0169	0,0182	0,00	7,64%	here
1.A.2.g viii	29,41	26,44	-2,97	-10,11%	here
1.A.3.a i(i)	0,67	0,65	-0,02	-2,40%	here
1.A.3.a ii(i)	0,15	0,16	0,01	9,19%	here
1.A.3.b i	0,506	0,515	0,01	1,75%	here
1.A.3.b ii	0,059	0,060	0,001	0,97%	here
1.A.3.b iii	0,25	0,24	-0,01	-3,36%	here

	Submission 2020	Submission 2021	Difference		Reasoning
NFR Code	[kt]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	288,97	291,78	2,81	0,97%	sub-category chapters
NFR 1 - Energy	219,59	222,08	2,49	1,13%	sub-category chapters
1.A.3.b iv	0,0070	0,0069	-0,0001	-1,19%	here
1.A.3.c	0,2251	0,2246	-0,0005	-0,23%	here
1.A.3.d ii	0,6685	0,6782	0,01	1,45%	here
1.A.3.e i	0,00332	0,00334	0,00002	0,45%	1.A.3.e i - Pipeline Transport]
1.A.4.a i	1,06	1,01	-0,05	-5,06%	here
1.A.4.a ii	0,00493	0,00402	0,00	-18,48%	here
1.A.4.b i	11,92	12,12	0,20	1,64%	here
1.A.4.c i	2,38	2,32	-0,06	-2,56%	here
1.A.4.c ii	0,0220	0,0213	-0,0006	-2,90%	here
1.A.4.c iii	0,1068	0,1097	0,0029	2,70%	here
1.A.5.a	0,02647	0,02651	0,00004	0,16%	here
1.A.5.b	0,0229	0,0230	0,0001	0,32%	here
1.B.1.b	0,811	0,806	-0,005	-0,62%	here
NFR 2 - IPPU	69,24	69,57	0,32	0,47%	sub-category chapters
2.A.3	10,24	10,22	-0,02	-0,19%	here
2.C.7.a	2,01	2,37	0,36	17,72%	here
2.G	0,14	0,13	-0,01	-9,46%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0,14	0,14	0,00	0,00%	
NFR 6 - Other	NA				