

Recalculations - Benzo[a]Pyrene (B[a]P)

The strong changes within the **National Total** reported for 1990 (-111 kt | -80 %) are dominated by changes in **NFRs 1.A.4.a i and 1.A.4.b i**.

However, the most significant relative change occurs for **NFR 1.A.5.a with plus 168,754 %**.

Table 1: Changes of emission estimates 1990

	Submission 2020	Submission 2021	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	139,27	27,94	-111,33	-79,94%	sub-category chapters
NFR 1 - Energy	136,68	25,40	-111,28	-81,42%	sub-category chapters
1.A.2.g vii	0,034	0,035	0,001	1,58%	here
1.A.2.g viii	0,98	0,98	0,00	0,00%	here
1.A.3.a i(i)	NE	0,000003	0,000003		here
1.A.3.a ii(i)	0,00031	0,00005	-0,00026	-84,90%	here
1.A.3.b i	0,288	0,287	-0,001	-0,28%	here
1.A.3.b ii	0,02	0,01	-0,01	-32,97%	here
1.A.3.b iii	0,052	0,055	0,002	4,14%	here
1.A.3.b iv	0,0045	0,0042	-0,0003	-6,18%	here
1.A.3.b vi	0,0222	0,0221	-0,0001	-0,28%	here
1.A.4.a i	11,96	2,26	-9,69	-81,08%	here
1.A.4.a ii	0,0054	0,0055	0,0001	0,94%	here
1.A.4.b i	119,37	18,06	-101,31	-84,87%	here
1.A.4.b ii	0,00	0,00	0,00	0,00%	here
1.A.4.c i	1,58	0,64	-0,94	-59,71%	here
1.A.4.c ii	0,0425	0,0419	-0,0006	-1,40%	here
1.A.4.c iii	0,00	0,00	0,00	0,00%	here
1.A.5.a	0,0004	0,6684	0,6680	168,754%	here
NFR 2 - IPPU	2,03	1,98	-0,05	-2,51%	sub-category chapters
2.G	0,09	0,04	-0,05	-58,42%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0,56	0,56	0,00	0,00%	
NFR 6 -Other	NA				

The strong changes within the **National Total** reported for 2018 (-12.4 kt | -44 %) are dominated by changes in **NFRs 1.A.4.a i and 1.A.4.b i**.

However, the most significant relative change occurs for **NFR 2.G with minus 50 %**.

Table 2: Changes of emission estimates 2018

	Submission 2020	Submission 2021	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	28,21	15,84	-12,38	-43,87%	sub-category chapters
NFR 1 - Energy	27,68	15,33	-12,35	-44,62%	sub-category chapters
1.A.1.a	0,048	0,049	0,001	2,57%	here
1.A.1.b	0,0028	0,0030	0,0003	9,48%	here
1.A.1.c	0,0010	0,0014	0,0004	33,54%	here
1.A.2.a	0,000122	0,000123	0,000001	0,89%	here
1.A.2.g vii	0,033	0,035	0,002	7,40%	here
1.A.2.g viii	0,0216	0,0215	-0,0002	-0,70%	here
1.A.3.a i(i)	NE	0,0000016	0,0000016		here
1.A.3.a ii(i)	0,000049	0,000031	-0,000018	-36,34%	here
1.A.3.b i	0,41	0,42	0,01	2,53%	here
1.A.3.b ii	0,057	0,058	0,001	1,25%	here
1.A.3.b iii	0,079	0,076	-0,003	-3,34%	here
1.A.3.b iv	0,00361	0,00357	-0,00004	-1,19%	here
1.A.3.b vi	0,0325	0,0324	-0,0001	-0,15%	here
1.A.3.c	0,008	0,007	-0,001	-13,98%	here
1.A.3.d ii	0,0163	0,0168	0,0005	2,79%	here
1.A.4.a i	3,06	1,54	<u>-1,52</u>	<u>-49,81%</u>	here
1.A.4.a ii	0,005	0,004	-0,001	-15,36%	here
1.A.4.b i	23,54	12,82	<u>-10,72</u>	<u>-45,55%</u>	here
1.A.4.c i	0,24	0,14	-0,10	-43,03%	here
1.A.4.c ii	0,042	0,041	-0,001	-2,75%	here
1.A.4.c iii	0,00172	0,00177	0,00005	2,65%	here
1.A.5.a	0,018	0,011	-0,01	-35,84%	here
NFR 2 - IPPU	0,09	0,07	-0,03	-27,36%	sub-category chapters
2.G	0,05	0,03	-0,03	-50,27%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0,44	0,44	0,00	0,00%	
NFR 6 - Other	NA				