

Recalculations - Copper (Cu)

The marginally small changes within the **1990 National Total (+0.005 t or +0.001 %)** result from a variety of revisions throughout NFRs 1, 2 and 5 - with the strongest percental change occurring in **NFR 1.A.3.a i(i) with minus 62 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]		absolute	relative	
NATIONAL TOTAL	619,879	619,883	0,005	0,001%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	538,009	538,015	0,006	0,001%	sub-category chapters
1.A.2.g vii	0,007	0,005	-0,002	-28,8%	here
1.A.3.a i(i)	0,000002	0,000001	-0,000001	-62,4%	here
1.A.3.a ii(i)	0,000025	0,000027	0,000002	7,61%	here
1.A.3.c	95,160	95,166	0,006	0,01%	here
1.A.4.a ii	0,0010	0,0009	-0,0001	-12,7%	here
1.A.4.c ii	1,1129	1,1149	0,0020	0,18%	here
NFR 2 - IPPU	81,802	81,805	0,003	0,003%	sub-category chapters
2.G	36,268	36,271	0,003	0,01%	here
NFR 3 - Agriculture	0,00	0,00	0,00		
NFR 5 - Waste	0,067	0,063	-0,004	-5,88%	sub-category chapters
5.E	0,067	0,063	-0,004	-5,88%	here
NFR 6 - Other	0,00	0,00	0,00		

The changes within the **National Total** reported for **2021 (+0.08 t or +1.53 %)** result from a **variety of revisions throughout NFRs 1, 2 and 5**.

The significant percental change occurring in NFR 1.A.3.b iii (+130 %) results from a correction of erroneous data reported with the previous submission.

Table 2: Changes of emission estimates for 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]		absolute	relative	
NATIONAL TOTAL	526,60	533,81	7,21	1,37%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	473,02	479,59	6,57	1,39%	sub-category chapters
1.A.1.a	6,84	6,80	-0,04	-0,58%	here
1.A.1.b	3,85	4,04	0,20	5,11%	here
1.A.1.c	0,049	0,052	0,004	7,73%	here
1.A.2.a	NE	NE	#WERT!	#WERT!	here
1.A.2.b	IE	IE	#WERT!	#WERT!	here
1.A.2.c	IE	IE	#WERT!	#WERT!	here
1.A.2.d	IE	IE	#WERT!	#WERT!	here
1.A.2.e	NE	NE	#WERT!	#WERT!	here
1.A.2.f	IE	IE	#WERT!	#WERT!	here
1.A.2.g vii	0,007	0,005	-0,002	-32,8%	here
1.A.2.g viii	0,35	0,33	-0,02	-4,75%	here
1.A.3.a i(i)	0,00000026	0,00000025	-0,00000001	-5,24%	here
1.A.3.a ii(i)	0,000003302	0,000003305	0,000000002	0,07%	here
1.A.3.b i	0,1435	0,1420	-0,0015	-1,04%	here
1.A.3.b ii	0,02375	0,02331	-0,00045	-1,88%	here
1.A.3.b iii	0,03	0,08	0,05	130%	here
1.A.3.b iv	0,00180	0,00182	0,00002	1,02%	here
1.A.3.b v	NA	NA	#WERT!	#WERT!	here
1.A.3.b vi	361,03	361,57	0,54	0,15%	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector		[t]		relative	see description and reasoning in:
NATIONAL TOTAL	526,60	533,81	7,21	1,37%	sub-category chapters
NFR 1 - Energy	473,02	479,59	6,57	1,39%	sub-category chapters
1.A.3.b vii	0,03464	0,03466	0,00001	0,03%	here
1.A.3.c	94,21	99,62	5,41	5,74%	here
1.A.3.d i(ii)	IE	IE	#WERT!	#WERT!	
1.A.3.d ii	0,60	0,66	0,06	10,0%	here
1.A.3.e i	NA	NA	#WERT!	#WERT!	1.A.3.e i - Pipeline Transport]
1.A.3.e ii	NA				1.A.3.e ii - Other Transport: Other]
1.A.4.a i	1,81	1,85	0,04	2,14%	here
1.A.4.a ii	0,00081				here
1.A.4.b i	2,642427	2,642429	0,000002	0,0001%	here
1.A.4.b ii	0,25	0,26	0,01	4,60%	here
1.A.4.c i	0,0964	0,0967	0,0003	0,27%	here
1.A.4.c ii	1,04	1,37	0,33	31,55%	here
1.A.4.c iii	0,0054305	0,0054305	0,0000000	0,00%	here
1.A.5.a	NE	NE	#WERT!	#WERT!	here
1.A.5.b	0,0026466	0,0026466	0,0000000	0,00%	here
1.B.1.a	NA	NA	#WERT!	#WERT!	here
1.B.1.b	NA	NA	#WERT!	#WERT!	here
1.B.1.c	NA	NA	#WERT!	#WERT!	here
1.B.2.a i	NA	NA	#WERT!	#WERT!	
1.B.2.a iv	NA	NA	#WERT!	#WERT!	
1.B.2.a v	NA	NA	#WERT!	#WERT!	
1.B.2.b	NA	NA	#WERT!	#WERT!	
1.B.2.c	NA	NA	#WERT!	#WERT!	
1.B.2.d	NA	NA	#WERT!	#WERT!	
NFR 2 - IPPU	53,52	54,16	0,64178	1,20%	sub-category chapters
2.A.1	NE	NE	#WERT!	#WERT!	here
2.A.2	NA	NA	#WERT!	#WERT!	here
2.A.3	0,06452	0,06457	0,00004	0,07%	here
2.A.5.a	NA	NA	#WERT!	#WERT!	here
2.A.5.b	NA	NA	#WERT!	#WERT!	here
2.A.5.c	NA	NA	#WERT!	#WERT!	here
2.A.6	NA	NA	#WERT!	#WERT!	here
2.B.1	NA	NA	#WERT!	#WERT!	here
2.B.2	NA	NA	#WERT!	#WERT!	here
2.B.3	NA	NA	#WERT!	#WERT!	here
2.B.5	NA	NA	#WERT!	#WERT!	here
2.B.6	NA	NA	#WERT!	#WERT!	here
2.B.7	NA	NA	#WERT!	#WERT!	here
2.B.10.a	NA	NA	#WERT!	#WERT!	here
2.B.10.b	NA	NA	#WERT!	#WERT!	here
2.C.1	NE	NE	#WERT!	#WERT!	here
2.C.2	NA	NA	#WERT!	#WERT!	here
2.C.3	0,0047478	0,0047478	0,0000000	0,00%	here
2.C.4	NA	NA	#WERT!	#WERT!	here
2.C.5	0,0105484	0,0105484	0,0000000	0,00%	here
2.C.6	NA	NA	#WERT!	#WERT!	here
2.C.7.a	17,3700228	17,3700228	0,0000000	0,00%	here
2.C.7.b	NO	NO	#WERT!	#WERT!	here
2.C.7.c	NA	NA	#WERT!	#WERT!	here
2.C.7.d	NA	NA	#WERT!	#WERT!	here
2.D.3.a	NA	NA	#WERT!	#WERT!	here
2.D.3.b	NA	NA	#WERT!	#WERT!	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector		[t]		relative	see description and reasoning in:
NATIONAL TOTAL	526,60	533,81	7,21	1,37%	sub-category chapters
NFR 1 - Energy	473,02	479,59	6,57	1,39%	sub-category chapters
2.D.3.c	NA	NA	#WERT!	#WERT!	here
2.D.3.d	NA	NA	#WERT!	#WERT!	here
2.D.3.e	NA	NA	#WERT!	#WERT!	here
2.D.3.f	NA	NA	#WERT!	#WERT!	here
2.D.3.g	NA	NA	#WERT!	#WERT!	here
2.D.3.h	NA	NA	#WERT!	#WERT!	here
2.D.3.i	NA	NA	#WERT!	#WERT!	here
2.G	36,06899	36,71073	0,64173	1,78%	here
2.H.1	NA	NA	#WERT!	#WERT!	here
2.H.2	NA	NA	#WERT!	#WERT!	here
2.H.3	NA	NA	#WERT!	#WERT!	here
2.I	NA	NA	#WERT!	#WERT!	here
2.J	NO	NO	#WERT!	#WERT!	here
2.K	NA	NA	#WERT!	#WERT!	here
2.L	NA	NA	#WERT!	#WERT!	here
NFR 3 - Agriculture	0,0000000	0,0000000	0,0000000	#DIV/0!	sub-category chapters
3.B.1.a	NA	NA	#WERT!	#WERT!	here
3.B.1.b	NA	NA	#WERT!	#WERT!	here
3.B.2	NA	NA	#WERT!	#WERT!	here
3.B.3	NA	NA	#WERT!	#WERT!	here
3.B.4.a	NA	NA	#WERT!	#WERT!	here
3.B.4.d	NA	NA	#WERT!	#WERT!	here
3.B.4.e	NA	NA	#WERT!	#WERT!	here
3.B.4.f	NA	NA	#WERT!	#WERT!	here
3.B.4.g i	NA	NA	#WERT!	#WERT!	here
3.B.4.g ii	NA	NA	#WERT!	#WERT!	here
3.B.4.g iii	NA	NA	#WERT!	#WERT!	here
3.B.4.g iv	NA	NA	#WERT!	#WERT!	here
3.B.4.h	NA	NA	#WERT!	#WERT!	here
3.D.a.1	NA	NA	#WERT!	#WERT!	here
3.D.a.2.a	NA	NA	#WERT!	#WERT!	here
3.D.a.2.b	NA	NA	#WERT!	#WERT!	here
3.D.a.2.c	NA	NA	#WERT!	#WERT!	here
3.D.a.3	NA	NA	#WERT!	#WERT!	here
3.D.a.4	NA	NA	#WERT!	#WERT!	here
3.D.b	NA	NA	#WERT!	#WERT!	here
3.D.c	NA	NA	#WERT!	#WERT!	here
3.D.d	NA	NA	#WERT!	#WERT!	here
3.D.e	NA	NA	#WERT!	#WERT!	here
3.D.f	NA	NA	#WERT!	#WERT!	here
3.F	NO	NO	#WERT!	#WERT!	
3.I	NA	NA	#WERT!	#WERT!	here
NFR 5 - Waste	0,069	0,065	-0,004	-5,72%	sub-category chapters
5.A	NA	NA	#WERT!	#WERT!	here
5.B.1	NA	NA	#WERT!	#WERT!	here
5.B.2	NA	NA	#WERT!	#WERT!	here
5.C.1.a	NO	NO	#WERT!	#WERT!	
5.C.1.b i	NO	NO	#WERT!	#WERT!	
5.C.1.b ii	NO	NO	#WERT!	#WERT!	
5.C.1.b iii	NO	NO	#WERT!	#WERT!	
5.C.1.b iv	NO	NO	#WERT!	#WERT!	
5.C.1.b v	NE	NE	#WERT!	#WERT!	here

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NATIONAL TOTAL	526,60	533,81	7,21	1,37%	sub-category chapters
NFR 1 - Energy	473,02	479,59	6,57	1,39%	sub-category chapters
5.C.1.b vi	NA	NA	#WERT!	#WERT!	
5.C.2	NE	NE	#WERT!	#WERT!	here
5.D.1	NA	NA	#WERT!	#WERT!	here
5.D.2	NA	NA	#WERT!	#WERT!	here
5.D.3	NO	NO	#WERT!	#WERT!	
5.E	0,069	0,065	-0,004	-5,72%	here
NFR 6 - Other	0,0000000	0,0000000	0,0000000	#DIV/0!	