Recalculations - Copper (Cu)

With negligibly small changes within NFRs 1 and 2 and re-allocations in sub-categories of 1.A.3.b, the **1990 National Total remains unaltered** compared to last year's submission.

However, the strongest percental change occurs in NFR **1.A.3.b ii with plus 26 %**.

Table 1: Changes in emission estimates for 1990

	Submission 2022	Submission 2023	Difference		Reasoning
NFR Sector	**[t]**			**relative**	**see description and reasoning in:**
NATIONAL TOTAL	**619,88**	**619,88**	**0,00**	**0,00%**	**sub-category chapters**
NFR 1 - Energy	**538,01**	**538,01**	**0,00**	**0,00%**	**sub-category chapters**
1.A.2.g vii	0,00653	0,00654	0,00001	0,17%	here
1.A.3.b i	0,1656	0,1669	0,0013	0,76%	here
1.A.3.b ii	0,0063	0,0080	0,0016	25,99%	here
1.A.3.b iii	0,0609	0,0580	-0,0030	-4,87%	here
1.A.3.b iv	0,0022	0,0023	0,0001	2,99%	here
1.A.4.a ii	0,001041	0,001040	-0,000001	-0,09%	here
1.A.4.b ii	0,5743	0,5744	0,0001	0,02%	here
1.A.4.c ii	1,1130	1,1129	-0,0001	-0,01%	here
NFR 2 - IPPU	**81,81**	**81,80**	**0,00**	**0,00%**	**sub-category chapters**
2.G	36,272	36,268	-0,004	-0,01%	here
NFR 3 - Agriculture	**NA**				
NFR 5 - Waste	**0,07**	**0,07**	**0,00**	**0,00%**	
NFR 6 - Other	**NA**				

The changes in the **National Total** reported for **2019 (+3.91 t or 0.67 %)** are dominated by a revision in NFRs **2.G with +4.18 t** and **2.A.3 with -0.35 t**.

The most significant percental changes occur for **NFRs 1.A.3.a i(i), 1.A.3.a ii(i) and 2.A.3 with minus 84 %** each.

Table 2: Changes in emission estimates for 2019

	Submission 2021	Submission 2022	Difference		Reasoning
NFR Sector	**[t]**			**relative**	**see description and reasoning in:**
NATIONAL TOTAL	**587,38**	**591,28**	**3,91**	**0,67%**	**sub-category chapters**
NFR 1 - Energy	**517,86**	**517,93**	**0,07**	**0,01%**	**sub-category chapters**
1.A.1.a	7,00	7,11	0,11	1,50%	here
1.A.1.b	4,05	3,94	-0,11	-2,74%	here
1.A.1.c	0,058	0,056	0,00	-2,95%	here
1.A.2.g vii	0,00646	0,00647	0,00001	0,08%	here
1.A.2.g viii	0,329	0,326	-0,003	-0,89%	here
1.A.3.a i(i)	0,0000011	0,0000002	-0,0000009	-83,52%	here
1.A.3.a ii(i)	0,000024	0,000004	-0,000020	-83,69%	here
1.A.3.b i	0,1616	0,1618	0,0001	0,08%	here
1.A.3.b ii	0,0220	0,0217	-0,0002	-1,10%	here
1.A.3.b iii	0,0868	0,0867	-0,0001	-0,15%	here
1.A.3.b iv	0,00194	0,00192	-0,00002	-1,10%	here
1.A.3.c	100,89	100,94	0,05	0,05%	here
1.A.3.d ii	0,60	0,65	0,05	9,14%	here
1.A.4.a ii	0,000810	0,000811	0,000001	0,18%	here
1.A.4.b i	2,379	2,380	0,001	0,03%	here
1.A.4.b ii	0,34	0,35	0,01	1,85%	here
1.A.4.c ii	0,656	0,644	-0,012	-1,82%	here
1.A.4.c iii	0,0105	0,0066	-0,0039	-37,07%	here
1.A.5.b	0,012	0,004	-0,008	-68,89%	here

	Submission 2021	Submission 2022	Difference		Reasoning
NFR Sector	**[t]**			**relative**	**see description and reasoning in:**
NATIONAL TOTAL	**587,38**	**591,28**	**3,91**	**0,67%**	**sub-category chapters**
NFR 1 - Energy	**517,86**	**517,93**	**0,07**	**0,01%**	**sub-category chapters**
NFR 2 - IPPU	**69,45**	**73,28**	**3,83**	**5,52%**	**sub-category chapters**
2.A.3	0,413	0,065	-0,35	-84,30%	here
2.G	52,59	56,77	4,18	7,95%	here
NFR 3 - Agriculture	**NA**				
NFR 5 - Waste	**0,07**	**0,07**	**0,00**	**0,00%**	
NFR 6 - Other	**NA**				