Recalculations - Copper (Cu)

Revision of copper emissions over time:

The changes in the **National Total reported for 1990 (-12.6 t | -2 %)** are dominated by a revision in **NFR 2.C.7.a with -10.5 kt or -19.8 %)**.

Table 1: Changes in emission estimates for 1990

	Submission 2020	Submission 2021	Difference		Reasoning
NFR Sector	**[t]**			**relative**	**see description and reasoning in:**
NATIONAL TOTAL	**632,76**	**620,19**	**-12,56**	**-1,99%**	**sub-category chapters**
NFR 1 - Energy	**538,92**	**538,12**	**-0,80**	**-0,15%**	**sub-category chapters**
1.A.2.g vii	0,0064	0,0065	0,0001	1,60%	here
1.A.3.a i(i)	NE	0,000003	0,000003		here
1.A.3.a ii(i)	0,0003	0,0000	-0,0002	-84,90%	here
1.A.3.b i	0,1655	0,1656	0,0001	0,07%	here
1.A.3.b ii	0,0087	0,0063	-0,0024	-27,37%	here
1.A.3.b iii	0,0585	0,0609	0,0024	4,14%	here
1.A.3.b iv	0,0024	0,0022	-0,0001	-6,18%	here
1.A.3.b vi	270,49	269,69	-0,80	-0,30%	here
1.A.4.a ii	0,00103	0,00104	0,00001	0,94%	here
1.A.4.c ii	1,1131	1,1130	-0,0001	-0,01%	here
NFR 2 - IPPU	**93,77**	**82,00**	**-11,76**	**-12,55%**	**sub-category chapters**
2.C.7.a	53,12	42,60	-10,53	-19,82%	here
2.G	37,79	36,56	-1,24	-3,28%	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 2018 (-20.7 t | -3.4 %)** are dominated by a revision in **NFR 2.C.7.a with -17 kt or -48 %)**.

Table 1: Changes in emission estimates for 2018

	Submission 2020	Submission 2021	Difference		Reasoning
NFR Sector	**[t]**			**relative**	**see description and reasoning in:**
NATIONAL TOTAL	**606,15**	**585,42**	**-20,73**	**-3,42%**	**sub-category chapters**
NFR 1 - Energy	**514,19**	**513,08**	**-1,11**	**-0,22%**	**sub-category chapters**
1.A.1.a	8,93	8,97	0,04	0,44%	here
1.A.1.b	4,69	4,14	-0,55	-11,76%	here
1.A.1.c	0,056	0,060	0,005	8,07%	here
1.A.2.g vii	0,0060	0,0064	0,0005	7,89%	here
1.A.2.g viii	0,40	0,34	-0,06	-15,31%	here
1.A.3.a i(i)	NE	0,000001	0,000001		here
1.A.3.a ii(i)	0,00004	0,00003	-0,00001	-36,34%	here
1.A.3.b i	0,159	0,161	0,003	1,78%	here
1.A.3.b ii	0,0211	0,0213	0,0002	1,09%	here
1.A.3.b iii	0,088	0,085	-0,003	-3,34%	here
1.A.3.b iv	0,0019	0,0019	0,0000	-1,19%	here
1.A.3.b vi	396,525	395,938	-0,59	-0,15%	here
1.A.3.b vii	0,0379	0,0378	-0,0001	-0,28%	here
1.A.3.c	97,85	97,79	-0,06	-0,06%	here

	Submission 2020	Submission 2021	Difference		Reasoning
NFR Sector	**[t]**			**relative**	**see description and reasoning in:**
NATIONAL TOTAL	**606,15**	**585,42**	**-20,73**	**-3,42%**	**sub-category chapters**
NFR 1 - Energy	**514,19**	**513,08**	**-1,11**	**-0,22%**	**sub-category chapters**
1.A.3.d ii	0,60	0,64	0,04	6,96%	here
1.A.4.a i	1,58	1,39	-0,19	-12,01%	here
1.A.4.a ii	0,0010	0,0008	-0,0001	-15,33%	here
1.A.4.b i	2,15	2,36	0,21	9,95%	here
1.A.4.b ii	0,36	0,34	-0,02	-4,76%	here
1.A.4.c i	0,0824	0,0825	0,0001	0,13%	here
1.A.4.c ii	0,60	0,66	0,06	9,18%	here
1.A.4.c iii	0,050	0,052	0,002	3,03%	here
1.A.5.b	0,0090	0,0092	0,0003	2,91%	here
NFR 2 - IPPU	**91,89**	**72,27**	**-19,62**	**-21,35%**	**sub-category chapters**
2.A.3	0,410	0,408	-0,002	-0,38%	here
2.C.7.a	35,22	18,19	-17,02	-48,34%	here
2.G	56,24	53,65	-2,59	-4,60%	here
NFR 3 - Agriculture	**NA**				
NFR 5 - Waste	**0,07**	**0,07**	**0,00**	**0,00%**	
NFR 6 - Other	**NA**				