

for pollutant-specific information, please click:	<a href="#">NOx</a>	<a href="#">NMVOC</a>	<a href="#">SOx</a>	<a href="#">NH3</a>	<a href="#">PM2.5</a>	<a href="#">PM10</a>	<a href="#">TSP</a>	<a href="#">BC</a>	<a href="#">CO</a>	<a href="#">Pb</a>	<a href="#">Cd</a>	<a href="#">Hg</a>	<a href="#">As</a>	<a href="#">Cr</a>	<b>Cu</b>	<a href="#">Ni</a>	<a href="#">Se</a>	<a href="#">Zn</a>	<a href="#">PCDD/F</a>	<a href="#">B[a]P</a>	<a href="#">B[b]F</a>	<a href="#">B[k]F</a>	<a href="#">I[x]P</a>	<a href="#">PAH1-4</a>	<a href="#">HCB</a>	<a href="#">PCB</a>
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## Recalculations - Copper (Cu)

With the marginal changes in NFRs **1.A.2.g vii**, **1.A.4.a ii** and **1.A.4.c ii** canceling each other out, the fundamental changes within the **National Total** reported for **1990 (+185 t or +30 %)** result entirely from a revision in **NFR 1.A.3.b vi**, also resembling the strongest percental change with **+69 %**.

Table 1: Changes of emission estimates for 1990

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning
	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>619.88</b>	<b>804.80</b>	<b>184.92</b>	<b>29.83%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>538.01</b>	<b>722.93</b>	<b>184.92</b>	<b>34.37%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0.0045599	0.0045603	0.0000003	0.01%	<a href="#">here</a>
1.A.3.b vi	269.69	454.60	184.92	68.57%	<a href="#">here</a>
1.A.4.a ii	0.0008884	0.0008881	-0.0000002	-0.03%	<a href="#">here</a>
1.A.4.c ii	1.11506	1.11498	-0.00008	-0.01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>3.52</b>	<b>3.52</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The changes within the **National Total** reported for **2022 (-2.89 t or -4.14 %)** are dominated by a revision in NFR sub-category **1.A.3.c with -3.30 t** together with a variety of revisions throughout NFRs 1, 2 and 5.

However, the most significant percental change occurs in **NFR 1.A.1.b with plus 19.3 %**.

Table 2: Changes of emission estimates for 2023

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