

## Recalculations - Chromium (Cr)

With no reportable changes within the **National Total** reported for **1990**, the only notable percental changes occur for NFRs **1.A.2.g vii with -2.10 %**, **1.A.4.a ii with -2.16 %** and **1.A.4.c ii with plus 0.42 %** with mutually canceling absolute changes.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning
	[t]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>165.69</b>	<b>165.69</b>	<b>0.00</b>	<b>0.00%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>122.29</b>	<b>122.29</b>	<b>0.00</b>	<b>0.00%</b>	sub-category chapters
1.A.2.g vii	0.0070	0.0068	-0.0002	-2.10%	<a href="#">here</a>
1.A.4.a ii	0.00135	0.00132	-0.00003	-2.16%	<a href="#">here</a>
1.A.4.c ii	0.0417	0.0419	0.0002	0.42%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>43.38</b>	<b>43.38</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 **2021 (+1.82 t or +2.66 %)** 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	
<b>NATIONAL TOTAL</b>	<b>68.17</b>	<b>69.98</b>	<b>1.82</b>	<b>2.66%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>49.56</b>	<b>51.36</b>	<b>1.80</b>	<b>3.63%</b>	sub-category chapters
1.A.1.a	3.83	3.84	0.01	0.30%	<a href="#">here</a>
1.A.1.b	1.25	1.31	0.06	5.20%	<a href="#">here</a>
1.A.1.c	0.0409	0.0444	0.0035	8.58%	<a href="#">here</a>
1.A.2.g vii	0.010	0.007	-0.003	-33.0%	<a href="#">here</a>
1.A.2.g viii	0.23	0.22	-0.01	-5.55%	<a href="#">here</a>
1.A.3.a i(i)	0.00000037	0.00000035	-0.00000002	-5.24%	<a href="#">here</a>
1.A.3.a ii(i)	0.000004623	0.000004627	0.000000003	0.07%	<a href="#">here</a>
1.A.3.b i	0.208	0.206	-0.002	-1.08%	<a href="#">here</a>
1.A.3.b ii	0.0353	0.0347	-0.0007	-1.88%	<a href="#">here</a>
1.A.3.b iii	0.05	0.12	0.07	130%	<a href="#">here</a>
1.A.3.b iv	0.00252	0.00255	0.00003	1.02%	<a href="#">here</a>
1.A.3.b vi	16.46	16.48	0.02	0.15%	<a href="#">here</a>
1.A.3.b vii	1.0181	1.0184	0.0003	0.03%	<a href="#">here</a>
1.A.3.c	20.90	22.48	1.59	7.60%	<a href="#">here</a>
1.A.3.d ii	0.029	0.031	0.002	6.10%	<a href="#">here</a>
1.A.4.a i	2.15	2.20	0.05	2.14%	<a href="#">here</a>
1.A.4.a ii	0.00121	0.00128	0.00007	6.02%	<a href="#">here</a>
1.A.4.b i	3.22116	3.22117	0.00001	0.0003%	<a href="#">here</a>
1.A.4.b ii	0.0067	0.0070	0.0003	4.60%	<a href="#">here</a>
1.A.4.c i	0.0780	0.0783	0.0002	0.27%	<a href="#">here</a>
1.A.4.c ii	0.04	0.05	0.01	30.76%	<a href="#">here</a>
1.A.5.b	0.00045806	0.00045811	0.00000005	0.01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>18.58006</b>	<b>18.59597</b>	<b>0.01590</b>	<b>0.09%</b>	sub-category chapters

	Submission 2023	Submission 2024	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>68.17</b>	<b>69.98</b>	<b>1.82</b>	<b>2.66%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>49.56</b>	<b>51.36</b>	<b>1.80</b>	<b>3.63%</b>	<b>sub-category chapters</b>
2.A.3	0.09895	0.09901	0.00007	0.07%	<a href="#">here</a>
2.G	0.840583	0.856420	0.015837	1.88%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.030</b>	<b>0.028</b>	<b>-0.002</b>	<b>-5.81%</b>	<b>sub-category chapters</b>
5.E	0.030	0.028	-0.002	-5.81%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				