

# Recalculations - Chromium (Cr)

The negligibly small changes within the **1990 National Total (-0.001 t or -0.001 %)** are dominated by **revisions in NFRs 1.A.2.g vii, 1.A.4.c ii and 5.E** together with some less significant changes throughout NFRs 1 and 2.

Here, the strongest percental change occurs 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]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>165,692</b>	<b>165,690</b>	<b>-0,001</b>	<b>-0,001%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>122,2858</b>	<b>122,2860</b>	<b>0,0002</b>	<b>0,0001%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,010	0,007	-0,003	-28,8%	<a href="#">here</a>
1.A.3.a i(i)	0,0000025	0,0000009	-0,0000015	-62,4%	<a href="#">here</a>
1.A.3.a ii(i)	0,0000355	0,0000382	0,0000027	7,61%	<a href="#">here</a>
1.A.3.c	27,6524	27,6526	0,0002	0,001%	<a href="#">here</a>
1.A.4.a ii	0,0016	0,0014	-0,0002	-12,7%	<a href="#">here</a>
1.A.4.c ii	0,039	0,042	0,003	7,74%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>43,3769</b>	<b>43,3769</b>	<b>0,0001</b>	<b>0,0002%</b>	<b>sub-category chapters</b>
2.G	0,6744	0,6745	0,0001	0,01%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>		
<b>NFR 5 - Waste</b>	<b>0,029</b>	<b>0,027</b>	<b>-0,002</b>	<b>-5,96%</b>	<b>sub-category chapters</b>
5.E	0,029	0,027	-0,002	-5,96%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>		

The changes in the **National Total** reported for **2020 (+1.34 t and +2 %)** are dominated by a revision in **NFR 1.A.3.c with plus 1.5 t** where annual mileage and, hence, abrasive emissions were revised for 2020.

The significant percental change occurring in NFR 1.A.3.b iii results from a data error that will be corrected with the next annual submission.

Table 2: Changes of emission estimates for 2020

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]			relative	see description and reasoning in:
<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>
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.a	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
1.A.2.b	IE	IE	#WERT!	#WERT!	<a href="#">here</a>
1.A.2.c	IE	IE	#WERT!	#WERT!	<a href="#">here</a>
1.A.2.d	IE	IE	#WERT!	#WERT!	<a href="#">here</a>
1.A.2.e	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
1.A.2.f	IE	IE	#WERT!	#WERT!	<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 v	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
1.A.3.b vi	16,46	16,48	0,02	0,15%	<a href="#">here</a>

	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>
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>
<b>1.A.3.d i(ii)</b>	<b>IE</b>	<b>IE</b>	<b>#WERT!</b>	<b>#WERT!</b>	
1.A.3.d ii	0,029	0,031	0,002	6,10%	<a href="#">here</a>
1.A.3.e i	NA	NA	#WERT!	#WERT!	<a href="#">1.A.3.e i - Pipeline Transport ]</a>
<b>1.A.3.e ii</b>	<b>NA</b>				<b><a href="#">1.A.3.e ii - Other Transport: Other ]</a></b>
<b>1.A.4.a i</b>	<b>2,15</b>	<b>2,20</b>	<b>0,05</b>	<b>2,14%</b>	<b><a href="#">here</a></b>
<b>1.A.4.a ii</b>	<b>0,00121</b>				<b><a href="#">here</a></b>
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.4.c iii	0,0003085	0,0003085	0,0000000	0,00%	<a href="#">here</a>
1.A.5.a	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
1.A.5.b	0,00045806	0,00045811	0,00000005	0,01%	<a href="#">here</a>
NFR 2 - IPPU	18,58006	18,59597	0,01590	0,09%	sub-category chapters
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>sub-category chapters</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>				