

# Recalculations - Chromium (Cr)

With negligibly small changes within NFRs 1 and 2 and re-allocations in sub-categories of 1.A.3.b, the **National Total reported for 1990 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

NFR Sector	Submission 2022	Submission 2023	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	0,00972	0,00973	0,00002	0,17%	<a href="#">here</a>
1.A.3.b i	0,235	0,237	0,002	0,83%	<a href="#">here</a>
1.A.3.b ii	0,0092	0,0116	0,0024	26,06%	<a href="#">here</a>
1.A.3.b iii	0,091	0,086	-0,004	-4,87%	<a href="#">here</a>
1.A.3.b iv	0,0031	0,0032	0,0001	2,99%	<a href="#">here</a>
1.A.4.a ii	0,001553	0,001551	-0,000001	-0,09%	<a href="#">here</a>
1.A.4.b ii	0,014477	0,014480	0,000003	0,02%	<a href="#">here</a>
1.A.4.c ii	0,03879	0,03877	-0,00002	-0,04%	<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>	
2.G	0,6745	0,6744	-0,0001	-0,01%	<a href="#">here</a>
<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 negligibly small changes in the **National Total** reported for **2019 (+0.04 t or +0.06 %)** result from a variety of revisions throughout NFRs 1 and 2.

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

Table 2: Changes in emission estimates for 2019

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>71,05</b>	<b>71,09</b>	<b>0,04</b>	<b>0,06%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>52,605</b>	<b>52,607</b>	<b>0,002</b>	<b>0,003%</b>	sub-category chapters
1.A.1.a	3,97	4,01	0,04	0,92%	<a href="#">here</a>
1.A.1.b	1,32	1,28	-0,04	-2,87%	<a href="#">here</a>
1.A.1.c	0,049	0,048	-0,002	-3,34%	<a href="#">here</a>
1.A.2.g vii	0,00961	0,00962	0,00001	0,09%	<a href="#">here</a>
1.A.2.g viii	0,224	0,225	0,001	0,39%	<a href="#">here</a>
1.A.3.a i(i)	0,000002	0,000000	-0,000001	-83,52%	<a href="#">here</a>
1.A.3.a ii(i)	0,000033	0,000005	-0,000028	-83,69%	<a href="#">here</a>
1.A.3.b i	0,2344	0,2346	0,0002	0,08%	<a href="#">here</a>
1.A.3.b ii	0,0327	0,0324	-0,0004	-1,10%	<a href="#">here</a>
1.A.3.b iii	0,1295	0,1293	-0,0002	-0,15%	<a href="#">here</a>
1.A.3.b iv	0,00271	0,00268	-0,00003	-1,10%	<a href="#">here</a>
1.A.3.c	22,391	22,393	0,002	0,01%	<a href="#">here</a>
1.A.3.d ii	0,0315	0,0312	-0,0003	-0,92%	<a href="#">here</a>
1.A.4.a ii	0,001207	0,001210	0,000002	0,18%	<a href="#">here</a>
1.A.4.b i	2,910	2,914	0,004	0,12%	<a href="#">here</a>
1.A.4.b ii	0,0090	0,0092	0,0002	2,02%	<a href="#">here</a>
1.A.4.c i	0,0692	0,0692	0,00	0,00%	<a href="#">here</a>
1.A.4.c ii	0,0275	0,0272	-0,0003	-1,01%	<a href="#">here</a>
1.A.4.c iii	0,0006	0,0004	-0,0002	-37,07%	<a href="#">here</a>

	Submission 2021	Submission 2022	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>71,05</b>	<b>71,09</b>	<b>0,04</b>	<b>0,06%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>52,605</b>	<b>52,607</b>	<b>0,002</b>	<b>0,003%</b>	<b>sub-category chapters</b>
1.A.5.b	0,0011	0,0006	-0,0005	-43,63%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>18,41</b>	<b>18,45</b>	<b>0,04</b>	<b>0,21%</b>	<b>sub-category chapters</b>
2.A.3	0,16	0,10	-0,07	-40,05%	<a href="#">here</a>
2.D.3.g	NA	0,0015	0,0015		<a href="#">here</a>
2.G	0,85	0,96	0,10	12,10%	<a href="#">here</a>
<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>				