

## Recalculations - Cadmium (Cd)

The atomically small changes within the **National Total** reported for **1990 (-0.00002 t | -0.00008 %)** result from a variety of revisions throughout NFRs 1. Here, the **re-allocation of emissions within NFR 1.A.3.b** has no effect on the National Totals.

The most significant percental change occurs for NFR **1.A.3.b. ii** with plus 24 %.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning see description and reasoning in:
	[t]		relative		
<b>NATIONAL TOTAL</b>	<b>29,1009729</b>	<b>29,1009499</b>	<b>-0,000023</b>	<b>-0,00008%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>12,7591032</b>	<b>12,7591036</b>	<b>0,0000004</b>	<b>0,000003%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,0000625	0,0000626	0,0000001	0,16%	<a href="#">here</a>
1.A.3.b i	0,006192	0,006177	-0,000015	-0,25%	<a href="#">here</a>
1.A.3.b ii	0,000161	0,000200	0,000039	24,32%	<a href="#">here</a>
1.A.3.b iii	0,000551	0,000524	-0,000027	-4,87%	<a href="#">here</a>
1.A.3.b iv	0,000100	0,000103	0,000003	2,99%	<a href="#">here</a>
1.A.4.a ii	0,00000913	0,00000912	-0,00000001	-0,09%	<a href="#">here</a>
1.A.4.b ii	0,003374	0,003375	0,000001	0,02%	<a href="#">here</a>
1.A.4.c ii	0,0065572	0,0065568	-0,0000004	-0,01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>16,267</b>	<b>16,267</b>	<b>0,000</b>	<b>0,00%</b>	
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0,075</b>	<b>0,075</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The small changes within the **National Total** reported for **2020 (-0.12 t or -1.10 %)** result from several changes throughout **NFRs 1 and 2** that more or less cancel out each other.

The most significant percental change, occurring in NFR 1.A.3.b iii (minus 66 %), not affecting the National Total, results from a data error that will be corrected with the next annual submission.

Table 2: Changes of emission estimates 2020

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning see description and reasoning in:
	[t]		relative		
<b>NATIONAL TOTAL</b>	<b>10,75</b>	<b>10,63</b>	<b>-0,12</b>	<b>-1,10%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>2,79</b>	<b>2,75</b>	<b>-0,04</b>	<b>-1,32%</b>	<b>sub-category chapters</b>
1.A.1.a	0,626	0,622	-0,004	-0,71%	<a href="#">here</a>
1.A.1.b	1,10	1,07	-0,04	-3,26%	<a href="#">here</a>
1.A.1.c	0,009	0,008	-0,001	-7,33%	<a href="#">here</a>
1.A.2.g vii	0,000071	0,000076	0,000005	6,40%	<a href="#">here</a>
1.A.2.g viii	0,10	0,11	0,01	7,87%	<a href="#">here</a>
1.A.3.a i(i)	0,00000000441	0,00000000439	-0,00000000002	-0,42%	<a href="#">here</a>
1.A.3.a ii(i)	0,00000011377	0,00000011381	0,00000000004	0,03%	<a href="#">here</a>
1.A.3.b i	0,003596	0,003595	-0,000001	-0,02%	<a href="#">here</a>
1.A.3.b ii	0,000216	0,000224	0,000007	3,41%	<a href="#">here</a>
1.A.3.b iii	0,0008	0,0003	-0,0005	-65,91%	<a href="#">here</a>
1.A.3.b iv	0,000087	0,000088	0,000001	1,11%	<a href="#">here</a>
1.A.3.b vi	0,1963	0,1954	0,00	-0,45%	<a href="#">here</a>
1.A.3.b vii	0,002943	0,002941	-0,000002	-0,05%	<a href="#">here</a>
1.A.3.c	0,0036	0,0037	0,0001	4,13%	<a href="#">here</a>
1.A.3.d ii	0,0045	0,0045	0,0000	-0,01%	<a href="#">here</a>
1.A.4.a i	0,192	0,196	0,004	2,14%	<a href="#">here</a>

	Submission 2022	Submission 2023	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>10,75</b>	<b>10,63</b>	<b>-0,12</b>	<b>-1,10%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>2,79</b>	<b>2,75</b>	<b>-0,04</b>	<b>-1,32%</b>	<b>sub-category chapters</b>
1.A.4.a ii	0,00000726	0,00000733	0,00000006	0,89%	<a href="#">here</a>
1.A.4.b i	0,529	0,522	-0,008	-1,46%	<a href="#">here</a>
1.A.4.b ii	0,0020	0,0015	-0,0004	-21,39%	<a href="#">here</a>
1.A.4.c i	0,008377	0,008376	-0,000001	-0,01%	<a href="#">here</a>
1.A.4.c ii	0,005	0,006	0,001	25,35%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>7,92</b>	<b>7,84</b>	<b>-0,08</b>	<b>-1,03%</b>	<b>sub-category chapters</b>
2.A.1	0,11	0,03	-0,08	-76,19%	<a href="#">here</a>
2.A.3	0,01640	0,01644	0,00004	0,26%	<a href="#">here</a>
2.G	0,850	0,849	-0,001	-0,07%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0,0372</b>	<b>0,0372</b>	<b>0,0000</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				