

# Recalculations - Arsenic (As)

With negligibly small changes within the **1990 National Total (-0.002 t or -0.002 %)** are dominated by a **revision in NFR 5.E (-0.002 t)** together with a variety of much less significant changes throughout NFR 1.

Here, the strongest percental change occurs in **NFR 1.A.3.a i(i) with minus 64 %**.

Table 1: Changes of emission estimates for 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]		relative		see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>85,919</b>	<b>85,917</b>	<b>-0,002</b>	<b>-0,002%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>82,3658553</b>	<b>82,3658556</b>	<b>0,0000004</b>	<b>0,0000005%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,00012	0,00009	-0,00003	-27,1%	<a href="#">here</a>
1.A.3.a i(i)	0,0000001	0,0000000	-0,0000001	-62,4%	<a href="#">here</a>
1.A.3.a ii(i)	0,0000017	0,0000018	0,0000001	7,61%	<a href="#">here</a>
1.A.3.c	0,0135046	0,0135049	0,0000003	0,003%	<a href="#">here</a>
1.A.4.a ii	0,000018	0,000016	-0,000002	-12,7%	<a href="#">here</a>
1.A.4.c ii	0,00015	0,00019	0,00004	23,4%	<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>0,00</b>	<b>0,00</b>	<b>0,00</b>		
<b>NFR 5 - Waste</b>	<b>0,030</b>	<b>0,028</b>	<b>-0,002</b>	<b>-5,96%</b>	<b>sub-category chapters</b>
5.E	0,030	0,028	-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 small changes in the **National Total** reported for **2020 (+0.03 t and +0.55 %)** are dominated by revisions in **NFRs 1.A.1.a, 1.A.1.b and 1.A.2.g viii** together with less significant changes throughout NFRs 1 and 2.

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 2022	Submission 2023	Difference		Reasoning
	[t]		relative		see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>4,96</b>	<b>4,98</b>	<b>0,03</b>	<b>0,55%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>3,88</b>	<b>3,91</b>	<b>0,03</b>	<b>0,70%</b>	<b>sub-category chapters</b>
1.A.1.a	1,72	1,70	-0,01	-0,74%	<a href="#">here</a>
1.A.1.b	0,87	0,85	-0,02	-2,72%	<a href="#">here</a>
1.A.1.c	0,0063	0,0058	-0,0004	-6,81%	<a href="#">here</a>
1.A.2.g vii	0,00013	0,00014	0,00001	5,31%	<a href="#">here</a>
1.A.2.g viii	0,18	0,23	0,06	33,63%	<a href="#">here</a>
1.A.3.a i(i)	0,00000000661	0,00000000658	-0,00000000003	-0,42%	<a href="#">here</a>
1.A.3.a ii(i)	0,00000017066	0,00000017071	0,00000000006	0,03%	<a href="#">here</a>
1.A.3.b i	0,005688	0,005690	0,000001	0,03%	<a href="#">here</a>
1.A.3.b ii	0,000404	0,000417	0,000013	3,09%	<a href="#">here</a>
1.A.3.b iii	0,001	0,000	-0,001	-65,91%	<a href="#">here</a>
1.A.3.b iv	0,000131	0,000132	0,000001	1,11%	<a href="#">here</a>
1.A.3.b vi	0,504	0,502	-0,002	-0,43%	<a href="#">here</a>
1.A.3.b vii	0,03644	0,03642	-0,00002	-0,05%	<a href="#">here</a>
1.A.3.c	0,001182	0,001184	0,000002	0,14%	<a href="#">here</a>
1.A.4.b i	0,41	0,42	0,01	2,14%	<a href="#">here</a>
1.A.4.b ii	0,0000145	0,0000147	0,0000001	0,89%	<a href="#">here</a>
1.A.4.c i	0,139	0,138	-0,001	-0,51%	<a href="#">here</a>
1.A.4.c ii	0,00003	0,00002	-0,00001	-21,39%	<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>4,96</b>	<b>4,98</b>	<b>0,03</b>	<b>0,55%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>3,88</b>	<b>3,91</b>	<b>0,03</b>	<b>0,70%</b>	<b>sub-category chapters</b>
1.A.4.c iii	0,0009582	0,0009581	-0,0000001	-0,01%	<a href="#">here</a>
1.A.5.a	0,000155	0,000160	0,000005	3,31%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>1,0468</b>	<b>1,0470</b>	<b>0,0002</b>	<b>0,02%</b>	<b>sub-category chapters</b>
2.A.3	0,1832	0,1833	0,0002	0,09%	<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>				