

# Recalculations - Arsenic (As)

With negligibly small changes within NFR 1 and re-allocations in sub-categories of 1.A.3.b, the **1990 National Total remains unaltered** compared to last year's submission.

However, the strongest percental change occurs in NFR **1.A.3.b ii with plus 25 %**.

Table 1: Changes of emission estimates for 1990

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>85,92</b>	<b>85,92</b>	<b>0,00</b>	<b>0,00%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>82,37</b>	<b>82,37</b>	<b>0,00</b>	<b>0,00%</b>	sub-category chapters
1.A.2.g vii	0,0001217	0,0001219	0,0000002	0,16%	<a href="#">here</a>
1.A.3.b i	0,00941	0,00940	-0,00002	-0,16%	<a href="#">here</a>
1.A.3.b ii	0,00025	0,00032	0,00006	24,52%	<a href="#">here</a>
1.A.3.b iii	0,00106	0,00100	-0,00005	-4,87%	<a href="#">here</a>
1.A.3.b iv	0,000150	0,000154	0,000004	2,99%	<a href="#">here</a>
1.A.4.a ii	0,00001827	0,00001825	-0,00000002	-0,09%	<a href="#">here</a>
1.A.4.c ii	0,0001511	0,0001510	-0,0000002	-0,12%	<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>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 in the **National Total** reported for **2019 (-0.14 t and -2.51 %)** are dominated by revisions in **NFR 2.A.3 (-0.13 t)**. In addition, several rather negligible revisions occur throughout NFR 1.

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 of emission estimates for 2019

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>5,474</b>	<b>5,336</b>	<b>-0,14</b>	<b>-2,51%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>4,304</b>	<b>4,299</b>	<b>-0,01</b>	<b>-0,12%</b>	sub-category chapters
1.A.1.a	1,990	2,022	0,03	1,65%	<a href="#">here</a>
1.A.1.b	0,917	0,892	-0,03	-2,75%	<a href="#">here</a>
1.A.1.c	0,0062	0,0061	-0,0002	-2,46%	<a href="#">here</a>
1.A.2.g vii	0,0001292	0,0001290	-0,0000002	-0,16%	<a href="#">here</a>
1.A.2.g viii	0,20	0,19	-0,01	-5,18%	<a href="#">here</a>
1.A.3.a i(i)	0,00000007	0,00000001	-0,00000006	-83,52%	<a href="#">here</a>
1.A.3.a ii(i)	0,0000016	0,0000003	-0,0000013	-83,69%	<a href="#">here</a>
1.A.3.b i	0,006404	0,006407	0,000003	0,05%	<a href="#">here</a>
1.A.3.b ii	0,000416	0,000411	-0,000005	-1,10%	<a href="#">here</a>
1.A.3.b iii	0,001506	0,001504	-0,000002	-0,15%	<a href="#">here</a>
1.A.3.b iv	0,000129	0,000128	-0,000001	-1,10%	<a href="#">here</a>
1.A.3.c	0,0013	0,0014	0,0001	6,66%	<a href="#">here</a>
1.A.3.d ii	0,0191	0,0155	-0,0035	-18,59%	<a href="#">here</a>
1.A.4.a ii	0,00001420	0,00001423	0,00000003	0,18%	<a href="#">here</a>
1.A.4.b i	0,148	0,150	0,002	1,18%	<a href="#">here</a>
1.A.4.b ii	0,000029	0,000030	0,000001	4,51%	<a href="#">here</a>
1.A.4.c ii	0,00014426	0,00014427	0,00000001	0,01%	<a href="#">here</a>
1.A.4.c iii	0,0005	0,0003	-0,0002	-37,07%	<a href="#">here</a>
1.A.5.b	0,0005	0,0002	-0,0004	-68,36%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>1,1384</b>	<b>1,0062</b>	<b>-0,13</b>	<b>-11,61%</b>	sub-category chapters
2.A.3	0,32	0,19	-0,13	-40,96%	<a href="#">here</a>

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>5,474</b>	<b>5,336</b>	<b>-0,14</b>	<b>-2,51%</b>	<b>see description and reasoning in:</b>
<b>NFR 1 - Energy</b>	<b>4,304</b>	<b>4,299</b>	<b>-0,01</b>	<b>-0,12%</b>	<b>sub-category chapters</b>
2.D.3.g	NA	0,0002	0,0002		<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>				