

# Recalculations - Arsenic (As)

The negligibly small changes within the **National Total** reported for **1990 (-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>NA</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>NA</b>				

The changes within the **National Total** reported for **2021 (+0.08 t or +1.53 %)** result from a **variety of revisions throughout NFRs 1, 2 and 5**.

The significant percental change occurring in NFR 1.A.3.b iii (+130 %) results from a correction of erroneous data reported with the previous submission.

Table 2: Changes of emission estimates for 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>5.34</b>	<b>5.42</b>	<b>0.08</b>	<b>1.53%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>4.26</b>	<b>4.34</b>	<b>0.08</b>	<b>1.96%</b>	<b>sub-category chapters</b>
1.A.1.a	1.97	2.01	0.04	1.87%	<a href="#">here</a>
1.A.1.b	0.87	0.92	0.04	5.11%	<a href="#">here</a>
1.A.1.c	0.0053	0.0057	0.0004	6.67%	<a href="#">here</a>
1.A.2.g vii	0.00014	0.00011	-0.00003	-23.0%	<a href="#">here</a>
1.A.2.g viii	0.21	0.20	-0.01	-4.73%	<a href="#">here</a>
1.A.3.a i(i)	0.000000017	0.000000017	-0.000000001	-5.24%	<a href="#">here</a>
1.A.3.a ii(i)	0.0000002202	0.0000002203	0.0000000002	0.07%	<a href="#">here</a>
1.A.3.b i	0.005752	0.005744	-0.000009	-0.15%	<a href="#">here</a>
1.A.3.b ii	0.000454	0.000446	-0.000007	-1.63%	<a href="#">here</a>
1.A.3.b iii	0.0006	0.0014	0.0008	130%	<a href="#">here</a>
1.A.3.b iv	0.000120	0.000121	0.000001	1.02%	<a href="#">here</a>
1.A.3.b vi	0.5071	0.5078	0.0007	0.14%	<a href="#">here</a>
1.A.3.b vii	0.036765	0.036777	0.000013	0.03%	<a href="#">here</a>
1.A.3.c	0.00125525	0.00125527	0.00000002	0.002%	<a href="#">here</a>
1.A.3.d ii	0.014526	0.014530	0.000004	0.02%	<a href="#">here</a>
1.A.4.a i	0.47	0.48	0.01	2.14%	<a href="#">here</a>
1.A.4.a ii	0.000014	0.000015	0.000001	6.02%	<a href="#">here</a>
1.A.4.b i	0.156809	0.156815	0.000006	0.004%	<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>5.34</b>	<b>5.42</b>	<b>0.08</b>	<b>1.53%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>4.26</b>	<b>4.34</b>	<b>0.08</b>	<b>1.96%</b>	<b>sub-category chapters</b>
1.A.4.b ii	0.000022	0.000023	0.000001	4.60%	<a href="#">here</a>
1.A.4.c i	0.001102	0.001105	0.000003	0.27%	<a href="#">here</a>
1.A.4.c ii	0.00016	0.00021	0.00005	29.3%	<a href="#">here</a>
1.A.5.b	0.000124161	0.000124163	0.000000002	0.002%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>1.0507</b>	<b>1.0509</b>	<b>0.0002</b>	<b>0.02%</b>	<b>sub-category chapters</b>
2.A.3	0.1923	0.1926	0.0002	0.13%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.031</b>	<b>0.029</b>	<b>-0.002</b>	<b>-5.81%</b>	<b>sub-category chapters</b>
5.E	0.031	0.029	-0.002	-5.81%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				