

## Recalculations - Arsenic (As)

The 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 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>				