

# Recalculations - Total Suspended Particles (TSP)

The small changes within the **National Total reported for 1990 (-8.08 kt | -0.39 %)** are dominated by a revision of emission estimates for NFRs **1.A.3.c** (+1.40 kt), **1.A.3.d ii** (-6.18 kt), **2.A.5.a** (+2.27 kt) and **2.B.10.a** (-0.96 kt) together with less significant revisions in NFRs 1, 2 and 3.

The strongest percental changes occur for NFRs **2.A.3 with plus 52 %** and **1.A.3.d ii with minus 46 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[kt]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>2.050,52</b>	<b>2.042,44</b>	<b>-8,08</b>	<b>-0,39%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>1.406,91</b>	<b>1.401,92</b>	<b>-4,99</b>	<b>-0,35%</b>	sub-category chapters
1.A.3.a i(i)	0,05	0,05	0,00	-1,26%	<a href="#">here</a>
1.A.3.a ii(i)	0,05	0,04	-0,01	-13,92%	<a href="#">here</a>
1.A.3.b iii	29,56	29,56	0,00	0,01%	<a href="#">here</a>
1.A.3.c	11,67	13,07	1,40	12,02%	<a href="#">here</a>
1.A.3.d ii	13,35	7,17	-6,18	-46,30%	<a href="#">here</a>
1.A.4.b ii	0,22	0,29	0,07	30,37%	<a href="#">here</a>
1.A.4.c iii	0,22	0,11	-0,11	-50,78%	<a href="#">here</a>
1.A.5.a	21,82	21,82	0,00	0,00%	<a href="#">here</a>
1.A.5.b	2,98	2,82	-0,17	-5,57%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>565,43</b>	<b>562,34</b>	<b>-3,09</b>	<b>-0,55%</b>	sub-category chapters
2.A.3	0,08	0,13	0,04	51,47%	<a href="#">here</a>
2.A.5.a	84,78	82,51	-2,27	-2,68%	<a href="#">here</a>
2.B.6	NA	0,09	0,09		<a href="#">here</a>
2.B.10.a	16,62	15,66	-0,96	-5,77%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>67,48</b>	<b>67,48</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 5 - Waste</b>	<b>10,70</b>	<b>10,70</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	NA				

The changes within the **National Total reported for 2018 (-4.18 kt | -1.08 %)** are dominated by revised emission estimates for **NFR 2.G (-5.16 kt)**. In addition, several more or less significant revisions occur in NFRs **1, 2, 3 and 5**.

The most significant relative changes occur for **NFRs 2.C.7.c with minus 73 %** and **2.G with minus 51 %**.

Table 2: Changes in emission estimates for 2018

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>387,72</b>	<b>383,54</b>	<b>-4,18</b>	<b>-1,08%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>100,68</b>	<b>101,56</b>	<b>0,88</b>	<b>0,88%</b>	sub-category chapters
1.A.1.a	5,52	5,59	0,07	1,23%	<a href="#">here</a>
1.A.1.b	0,43	0,58	0,14	32,54%	<a href="#">here</a>
1.A.1.c	0,49	0,53	0,04	7,70%	<a href="#">here</a>
1.A.2.a	0,083	0,081	-0,002	-2,21%	<a href="#">here</a>
1.A.2.g vii	0,88	0,97	0,10	10,86%	<a href="#">here</a>
1.A.2.g viii	2,74	2,58	-0,16	-5,93%	<a href="#">here</a>
1.A.3.a i(i)	0,09	0,08	-0,01	-7,58%	<a href="#">here</a>
1.A.3.a ii(i)	0,03	0,04	0,01	43,17%	<a href="#">here</a>
1.A.3.b i	3,01	3,14	0,13	4,37%	<a href="#">here</a>
1.A.3.b ii	1,345	1,348	0,003	0,25%	<a href="#">here</a>
1.A.3.b iii	1,99	1,94	-0,05	-2,69%	<a href="#">here</a>
1.A.3.b iv	0,94	0,98	0,04	3,86%	<a href="#">here</a>
1.A.3.b vi	18,62	18,60	-0,03	-0,15%	<a href="#">here</a>
1.A.3.b vii	15,71	15,69	-0,02	-0,16%	<a href="#">here</a>

	Submission 2020	Submission 2021	Difference		Reasoning
NFR Sector	[kt]		relative	see description and reasoning in:	
<b>NATIONAL TOTAL</b>	<b>387,72</b>	<b>383,54</b>	<b>-4,18</b>	<b>-1,08%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>100,68</b>	<b>101,56</b>	<b>0,88</b>	<b>0,88%</b>	<b>sub-category chapters</b>
1.A.3.c	8,58	8,57	-0,02	-0,23%	<a href="#">here</a>
1.A.3.d ii	1,13	1,16	0,03	2,73%	<a href="#">here</a>
1.A.3.e i	0,00760	0,00763	0,00003	0,45%	<a href="#">here</a>
1.A.4.a i	2,36	2,09	-0,27	-11,48%	<a href="#">here</a>
1.A.4.a ii	0,25	0,21	-0,04	-14,65%	<a href="#">here</a>
1.A.4.b i	17,78	19,34	1,56	8,77%	<a href="#">here</a>
1.A.4.b ii	0,134	0,127	-0,007	-4,97%	<a href="#">here</a>
1.A.4.c i	0,513	0,506	-0,006	-1,26%	<a href="#">here</a>
1.A.4.c ii	3,86	3,24	-0,62	-15,99%	<a href="#">here</a>
1.A.4.c iii	0,088	0,091	0,002	2,70%	<a href="#">here</a>
1.A.5.a	0,028	0,029	0,001	2,07%	<a href="#">here</a>
1.A.5.b	0,0702	0,0703	0,0001	0,14%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>216,90</b>	<b>211,90</b>	<b>-5,00</b>	<b>-2,31%</b>	<b>sub-category chapters</b>
2.A.3	0,22	0,22	0,00	-0,80%	<a href="#">here</a>
2.A.5.a	41,07	41,25	0,18	0,44%	<a href="#">here</a>
2.C.2	0,0058	0,0053	-0,0005	-8,04%	<a href="#">here</a>
2.C.7.a	0,067	0,063	-0,004	-6,50%	<a href="#">here</a>
2.C.7.c	0,02	0,01	-0,01	-73,35%	<a href="#">here</a>
2.G	10,11	4,95	-5,16	-51,06%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>61,06</b>	<b>60,99</b>	<b>-0,07</b>	<b>-0,11%</b>	<b>sub-category chapters</b>
3.B.3	17,36	17,32	-0,04	-0,22%	<a href="#">here</a>
3.B.4.g i	10,16	10,15	-0,01	-0,13%	<a href="#">here</a>
3.B.4.g ii	3,72	3,71	-0,01	-0,38%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>9,0815</b>	<b>9,0813</b>	<b>-0,0002</b>	<b>0,00%</b>	<b>sub-category chapters</b>
5.A	0,0213	0,0211	-0,0002	-0,87%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				