

# Recalculations - Ammonia

## Revision of Ammonia emissions over time

The small changes within the **National Total reported for 1990 (+4.45 kt | +0.59 %)** result almost entirely from revisions in **NFR 1.A.3.b i** together with less significant changes throughout NFRs 1 and 2.

Here, the strongest relative change occurs for **NFR 1.A.3.b i with +739%**.

Table 1: Changes in emission estimates for 1990

NFR Code	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]			relative	
<b>NATIONAL TOTAL</b>	<b>760,05</b>	<b>715,09</b>	<b>-44,97</b>	<b>-5,92%</b>	see description and reasoning in: <b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>16,01509</b>	<b>15,53011</b>	<b>-0,48</b>	<b>-3,03%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,0078	0,0079	0,0001	1,75%	<a href="#">here</a>
1.A.3.a i(i)	0,05	0,05	0,00	-3,57%	<a href="#">here</a>
1.A.3.a ii(i)	0,04	0,04	0,00	6,35%	<a href="#">here</a>
1.A.3.b i	7,85	7,37	-0,48	-6,13%	<a href="#">here</a>
1.A.3.b ii	0,03	0,02	-0,01	-21,30%	<a href="#">here</a>
1.A.3.b iii	0,08	0,08	0,00	4,14%	<a href="#">here</a>
1.A.3.b iv	0,03	0,03	0,00	-6,18%	<a href="#">here</a>
1.A.4.a ii	0,00	0,00	0,00	12,98%	<a href="#">here</a>
1.A.4.c ii	0,01	0,01	0,00	-1,13%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>19,08</b>	<b>17,81</b>	<b>-1,27</b>	<b>-6,66%</b>	<b>sub-category chapters</b>
2.G	2,18	0,90	-1,27	-58,42%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>724,79</b>	<b>681,58</b>	<b>-43,21</b>	<b>-5,96%</b>	<b>sub-category chapters</b>
3.B.1.a	75,05	62,19	-12,86	-17,14%	<a href="#">here</a>
3.B.1.b	101,28	91,39	-9,88	-9,76%	<a href="#">here</a>
3.B.2	2,56	2,71	0,15	5,83%	<a href="#">here</a>
3.B.4.g i	13,15	11,45	-1,70	-12,91%	<a href="#">here</a>
3.B.4.g ii	3,67	5,07	1,40	38,09%	<a href="#">here</a>
3.B.4.g iii	3,94	3,96	0,02	0,49%	<a href="#">here</a>
3.B.4.g iv	1,95	2,48	0,53	27,45%	<a href="#">here</a>
3.D.a.1	78,45	78,82	0,38	0,48%	<a href="#">here</a>
3.D.a.2.a	302,62	273,67	-28,96	-9,57%	<a href="#">here</a>
3.D.a.3	14,45	22,16	7,71	53,32%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>0,16</b>	<b>0,16</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The small changes within the **National Total reported for 2017 (-7.57 kt | -1.12 %)** result mainly from a variety of more or less significant revisions throughout **NFRs 1 and 3**.

Here, the strongest relative change occurs for **NFR 1.A.3.b iii with +217%**.

Table 2: Changes in emission estimates for 2018

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