HELCOM MONAS 8/2005, doc.5/8
Draft report on Atmospheric Supply of Nitrogen, Lead, Cadmium, Mercury and Lindane to the Baltic Sea in 2003

Comments by LATVIA

We don't know the source of data included in this report. We can only compare data from this report and officially submitted data under convention on Long-Range Transboundary Air Pollution sent on 15 of February 2005.

Page 1
Is written:
In case of ammonia (Table 4.1), compared to 2002, annual emissions in the year 2003 increased in only two HELCOM Parties, Latvia and Sweden by 36.4%, and 1.8%, respectively.
Our comment:
Compared to 2002, annual ammonia emissions in the year 2003 increased in Latvia by 5 %

Page 2
Is written:
In case of ammonia, emissions from the agriculture are much higher than emission from any other sector in all HELCOM countries. Contribution of agricultural emissions to annual total ammonia emissions in 2003 varies between 81% (Sweden) and 96% (Latvia) in different HELCOM Parties.
Our comment:
Ammonia emissions from agriculture compile 98.8% from ammonia emissions from all sectors.

Page 23
Is written:
Table 4.1. Annual emissions of oxidized nitrogen, ammonia and total nitrogen (nitrogen oxides + ammonia) from individual HELCOM Parties and from all HELCOM sources (sum of individual emissions) in the years 2002 and 2003. Differences between 2003 and 2002 are also shown in percent of 2003 emissions. Units: kt N/yr.

Emitter	Nitrogen oxides			Ammonia			Total nitrogen		
	2002	2003	Diff (%)	2002	2003	Diff (%)	2002	2003	Diff (%)
Denmark	60.9	63.6	4.5	83.2	80.7	-3.0	144.0	144.3	0.2
Estonia	12.2	11.9	-2.5	7.4	6.6	-11.1	19.6	18.5	-5.8
Finland	63.3	66.7	5.3	27.2	27.2	0.0	90.5	93.8	3.7
Germany	456.2	434.6	-4.7	505.6	494.9	-2.1	61.9	929.5	-3.4
Latvia	12.5	11.3	-9.8	9.1	12.4	36.4	21.5	23.6	9.6
Lithuania	15.5	16.1	3.9	42.0	28.0	-33.3	57.5	44.1	-23.3
Poland	245.0	242.3	-1.1	270.1	267.6	-0.9	515.1	509.9	-1.0
Russia	781.0	781.0	0.0	494.1	494.1	0.0	1275.1	1275.1	0.0
Sweden	73.7	62.7	-14.9	45.3	46.1	1.8	118.9	108.8	-8.5
HELCOM	**1720.2**	**1690.0**	**-1.8**	**1484.0**	**1457.6**	**-1.8**	**3204.2**	**3147.7**	**-1.8**

Our comment:

	NO_X			NH_4		
	2002	2003	Diff (%)	2002	2003	Diff (%)
Latvia	36,78	37,27	+1,3%	14,43	15,19	+5%

Page 24

Is written:

In case of ammonia, compared to 2002, annual emissions in the year 2003 increased in two HELCOM Parties, Latvia and Sweden by 33.3% and 1.8%, respectively.

Our comment:

In the page 1 is written the same sentence only % for Latvia in the 1page is 36,4%, but in this page 33,3%.

Our comment the same as for the page 1.

Page 27

Is written:

Figure 4.4

Annual 2003 nitrogen oxides emissions from the HELCOM Parties split into the SNAP sectors.

S1 –22%

S2 –3%

S3 –8%

S7 –50%

S8 –16%

S10 –1%

Our comment:

S1 –20,4%

S2 –12,7%

S3 –9,1%

S4 –0,1%
S7 –49,3%
S8 –8,2%
S9 –0,2%

Page 27
Is written:
Figure 4.5
Annual 2003 ammonia emissions from the HELCOM Parties split into the SNAP sectors.
S4 –1%
S9 –3%
S10 –96%

Our comment:
S8 –1,2%
S10 –98,8%

Page 50
Is written:
Table 5.1. Annual emissions of lead in HELCOM countries and in entire EMEP region in 2002 and 2003 following the official data and expert estimates (shaded). Units: tonnes/year

Country	2002	2003	Change (2003-2002)
Denmark	5.3	4.6	-0.7
Estonia	36.7	39.3	2.6
Finland	39.6	33.5	-6.1
Germany	474.3	451.7	-22.6
Latvia	8.9	7.1	-1.8
Lithuania	14.9	15	0.1
Poland	610	588	-22
Russian Federation	2118	2118	0
Sweden	12.6	14.1	1.5
TOTAL – HELCOM	**3320**	**3271**	**-49**
TOTAL – EMEP	**7998**	**8583**	**585**

Our comment:

	2002	2003	Change (2003-2002)
Latvia	7,18	7,07	-0,11

Page 66
Is written:
Table 6.1. Annual emissions of cadmium in HELCOM countries and in entire EMEP region in 2002 and 2003 following the official data and expert estimates (shaded). Units: tonnes/year

Country	2002	2003	Change (2003-2002)
Denmark	0.7	0.6	-0.1
Estonia	0.6	0.6	0
Finland	1.7	1.2	-0.5
Germany	11.0	11.0	0
Latvia	0.6	0.6	-0.01
Lithuania	1.2	0.9	-0.3
Poland	52.5	48.7	-3.9
Russian Federation	50.5	51.5	1.0
Sweden	1.1	0.6	-0.6
TOTAL – HELCOM	**120**	**116**	**-4**
TOTAL - EMEP	**290**	**257**	**-33**

Our comment:

	2002	2003	Change (2003-2002)
Latvia	0,54	0,55	+0,01

Page 82

Is written:

Table 7.1. Annual emissions of mercury in HELCOM countries and entire EMEP area used in computations for 2002 and 2003. Units: tonnes per year

Country	2002	2003	Change (2003-2002)
Denmark	1.2	1.2	0
Estonia	0.5	0.6	0.1
Finland	0.7	0.8	0.1
Germany	27.7	27.3	-0.4
Latvia	0.1	0.2	0.05
Lithuania	0.3	0.4	0.1
Poland	23.2	19.8	-3.4
Russian Federation	10.2	10.2	0
Sweden	0.7	0.8	0.1
TOTAL – HELCOM countries	**65**	**61**	**-4**
TOTAL - EMEP	**180**	**195**	**15**

Our comment:

	2002	2003	Change (2003-2002)
Latvia	0,14	0,15	+0,01