

Annex D: Annual emissions of lindane for 1990-2001 used in computations

Table D1. Annual emissions of lindane from the HELCOM countries and other countries within the EMEP region, used in computations for 1990-2001. Shaded values in the table indicate officially reported data by countries. Units: tonnes / year

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Denmark	0	0	0	0	0	0	0	0	0	0	0	0
Estonia	0.00 7	0.00 6	0.01 1	0.00 3	0.00 1	0.00 5	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3
Finland	0	0	0	0	0	0	0	0	0	0	0	0
Germany*	28	28	28	28	15	15	15	15	15	15	15	15
Latvia	0.01 3	0.01 1	0.00 9	0.00 4	0.00 2	0.00 2	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3
Lithuania	0.09 7	0.07 3	0.03 3	0.00 7	0.00 4	0.00 3	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2
Poland	0.44 6	0.21 3	0.23 1	0.21 1	0.19 1	0.28 3	0.28 0	0.28 0	0.28 0	0.28 0	0.28 0	0.28 0
Russian Federation	462	396	330	264	198	132	66	0	0	0	0	0
Sweden	0	0	0	0	0	0	0	0	0	0	0	0
Total (HELCOM)	490	424	358	292	213	147	81	15	15	15	15	15
Albania	2.22 8	1.78 8	1.34 7	0.90 6	0.37 3	0.46 3	0.46 3	0.46 3	0.46 3	0.46 3	0.46 3	0.46 3
Armenia	0.06 9	0.06 8	0.03 0	0.03 0	0.03 0	0.03 0	0.03 0	0	0	0	0	0
Austria	3.39 2	2.36 3	2.36 3	2.36 3	12	8.05 6	8.64 0	2.32 4	0	0	0	0
Azerbaijan	0.25 9	0.25 5	0.11 3	0.11 3	0.11 3	0.11 3	0.11 3	0.11 3	0.11 3	0.11 3	0.11 3	0.11 3
Belarus	4.65	4.65	4.65	4.65	4.65	0.00 3	0	0	0	0	0	0
Belgium	15	18	4.9	5.1	11	9.8	9.8	9.6	9.6	9.6	9.6	9.6
Bosnia and Herzegovina	6.3	0.82	0.76	0.50	0.43	0.52	0.57	0.57	0.57	0.57	0.57	0.57
Bulgaria	5.2	2.7	0.31	0	0	0	0	0	0	0	0	0
Croatia	9.4	9.4	9.4	9.4	9.4	9.4	12.8	3.1	5.0	5.0	7.0	7.0
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0
Czech Republic	0.02	0.11	0.02	0.25	0.08	0.32	0.32	0.32	0.32	0.32	0.32	0
France	270	253	560	570	560	560	560	560	560	0	0	0
Georgia	0.22	0.22	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Greece	3.0	3.7	4.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Hungary	9.3	0.06 0	0.01 2	0.46 2	0.79 8	1.7	2.4	0.03 1	0.02 2	1.8	1.8	1.8
Iceland	0.07	0.08	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Ireland	1.8	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Italy	282	270	255	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Kazakhstan	1.0	1.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Luxemburg	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Netherlands	0	0	0	0	0	0	0	0	0	0	0	0
Norway	0.13	0.01	0	0	0	0	0	0	0	0	0	0
Portugal	3.4	3.8	3.5	2.1	1.9	11	13	13	13	13	13	13
Republic of Moldova	3.9	3.6	2.5	2.8	1.8	0	0	0	0	0	0	0
Romania	3.7	2.5	1.6	3.2	2.5	2.3	2.0	2.0	2.0	2.0	2.0	2.0
Serbia&Montenegro	19	2.5	2.3	1.5	1.3	1.5	1.7	1.7	1.7	1.7	1.7	1.7

Slovakia	0.30	0.30	0.08	0.59	0.17	1.6	0.58	0.58	0.58	0.58	0.58	0.58
Slovenia	0.29	0.25	0.23	0	0	0	0	0	0	0	0	0
Spain	9.2	9.2	6.7	5.9	10.7	9.6	9.7	10	10	10	10	10
Switzerland	0.02	0.16	0.16	0.48	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
The FYR of Macedonia	2.3	1.5	1.5	0.94	0.83	0.06	0.07	0.07	0.07	0.07	0.07	0.07
Ukraine	13	11	9.1	9.1	9.1	9.1	9.1	0	0	0	0	0
United Kingdom	100	86	75	65	57	51	45	40	36	33	30	27
Total (EMEP)	1260	1115	1306	989	909	835	769	671	666	105	104	101

* - lindane emission used in computations for this report. New information on lindane emission from Germany submitted after computations with MSCE-POP model contains lower values. According them lindane emission from Germany decreased from 14.9 tonnes in 1990 to 3.6 tonnes in 1997 and starting from 1998 was equal to zero.