

HM emissions and pollution levels in 1990 and 2013

	Pb		Cd		Hg	
	1990	2013	1990	2013	1990	2013
Emissions, t	127	12	0.993	0.581	3.1	0.355
Deposition to the country						
Total deposition to the country, t	174.85	28.20	2.68	0.84	0.87	0.45
- Anthropogenic deposition from national sources, t	12.78	1.18	0.10	0.06	0.21	0.03
- Anthropogenic deposition from other countries, t	83.54	5.78	0.77	0.20	0.28	0.07
- Intercontinental transport (non-EMEP sources), t	1.57	1.43	0.04	0.04	0.37	0.35
- Secondary sources (wind re-suspension), t	76.95	19.80	1.77	0.54	0.01	0.01
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	69.03	5.50	0.54	0.27	0.62	0.06
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	21.11	1.66	167.26	87.40	289.17	30.40
- Black Sea	0.45	0.03	3.36	1.59	3.19	0.27
- Caspian Sea	0.08	0.00	0.62	0.19	0.75	0.06
- Mediterranean Sea	0.68	0.06	4.96	2.73	3.93	0.46
- North Sea	12.76	1.67	106.56	83.90	127.57	22.20
Mean annual air concentrations, ng/m ³	15.19	2.23	0.22	0.07	1.70	1.49

POP emissions and pollution levels in 1990 and 2013

	B[a]P		PCDD/Fs		HCB	
	1990	2013	1990	2013	1990	2013
Emissions	t		g TEQ ^a		kg	
	1.6	2.3	67	22	27	2.7
Deposition to the country						
	kg		g TEQ		kg	
Total deposition to the country	1203.8	530.7	602.6	134.3	799.7	62.3
- Anthropogenic deposition from national sources	160.7	239.4	75.3	24.2	2.5	0.3
- Anthropogenic deposition from other countries	951.8	244.1	143.1	16.6	10.9	0.3
- Intercontinental transport (global sources) ^c	0.0	0.0	103.3	39.1	346.7	28.1
- Secondary sources (re-volatilization) ^d	91.3	47.2	279.8	54.3	439.7	33.6
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region)	395.7	523.1	154.9	44.8	10.1	0.9
Deposition to the regional seas						
- Baltic Sea	111.89	157.86	42.18	12.60	1.5E+00	1.5E-01
- Black Sea	1.28	1.63	0.54	0.14	4.3E-02	2.7E-03
- Caspian Sea	0.26	0.27	0.13	0.03	1.2E-02	9.0E-04
- Mediterranean Sea	1.66	2.27	1.38	0.41	1.1E-01	1.1E-02
- North Sea	43.08	70.15	10.17	4.86	3.2E-01	4.5E-02
Mean annual air concentrations						
	ng/m ³		fg TEQ/m ³		pg/m ³	
	0.25	0.12	23.80	6.10	229.3	17.41

^a Toxicity of PCDD/Fs is expressed according to the NATO toxic equivalents scheme (I-TEQ)

^b Expert estimate

^c Model assessment of B[a]P pollution was focused on the emission sources of the EMEP countries neglecting the intercontinental transport

^d Estimates of secondary sources contribution for B[a]P represent re-volatilization fluxes resulted from the accumulation of pollutant during one year