

HM emissions and pollution levels in 1990 and 2013

	Pb		Cd		Hg	
	1990	2013	1990	2013	1990	2013
Emissions, t	350	16	0.593	0.378	0.623	0.393
Deposition to the country						
Total deposition to the country, t	222.06	31.50	1.46	0.74	0.51	0.39
- Anthropogenic deposition from national sources, t	77.11	3.62	0.14	0.10	0.11	0.06
- Anthropogenic deposition from other countries, t	95.61	6.37	0.55	0.24	0.15	0.07
- Intercontinental transport (non-EMEP sources), t	2.17	1.63	0.03	0.04	0.24	0.25
- Secondary sources (wind re-suspension), t	47.18	19.90	0.74	0.36	0.01	0.01
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	210.90	9.55	0.35	0.22	0.14	0.09
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	2.18	0.12	3.51	2.48	1.10	0.82
- Black Sea	2.77	0.08	4.34	1.81	1.28	0.49
- Caspian Sea	0.24	0.01	0.37	0.23	0.19	0.13
- Mediterranean Sea	32.01	1.42	52.79	33.70	16.38	11.80
- North Sea	1.56	0.12	2.33	2.49	0.70	0.92
Mean annual air concentrations, ng/m ³	52.36	3.68	0.21	0.08	1.73	1.53

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	
	4.6	3.8	16	11	46	0.578
Deposition to the country						
	kg		g TEQ		kg	
Total deposition to the country	1572.3	1252.0	404.6	118.3	971.1	74.8
- Anthropogenic deposition from national sources	832.7	710.7	28.9	18.5	13.5	0.2
- Anthropogenic deposition from other countries	599.9	426.6	111.4	30.4	5.9	1.4
- Intercontinental transport (global sources) ^c	0.0	0.0	31.2	14.1	257.5	21.4
- Secondary sources (re-volatilization) ^d	139.6	114.7	233.5	55.3	694.1	51.9
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region)	1072.8	893.0	36.7	24.3	13.7	0.1
Deposition to the regional seas						
- Baltic Sea	9.28	4.90	0.15	0.07	1.8E-02	3.0E-04
- Black Sea	5.03	3.82	0.14	0.10	3.8E-02	3.8E-04
- Caspian Sea	0.22	0.31	0.02	0.02	1.2E-02	1.3E-04
- Mediterranean Sea	85.60	80.55	3.12	2.03	5.9E-01	9.8E-03
- North Sea	3.19	2.32	0.07	0.08	1.2E-02	2.2E-04
Mean annual air concentrations						
	ng/m ³		fg TEQ/m ³		pg/m ³	
	0.70	0.45	37.60	11.63	218.2	16.46

^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