

HM emissions and pollution levels in 1990 and 2013

	Pb		Cd		Hg	
	1990	2013	1990	2013	1990	2013
Emissions, t	104	4.3	0.410	0.216	0.940	0.269
Deposition to the country						
Total deposition to the country, t	115.93	38.20	1.67	0.89	0.56	0.84
- Anthropogenic deposition from national sources, t	22.46	1.03	0.12	0.05	0.15	0.04
- Anthropogenic deposition from other countries, t	50.38	10.20	0.51	0.21	0.13	0.46
- Intercontinental transport (non-EMEP sources), t	3.05	3.21	0.06	0.08	0.26	0.33
- Secondary sources (wind re-suspension), t	40.03	23.80	0.99	0.55	0.01	0.02
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	50.34	1.95	0.17	0.10	0.15	0.05
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	0.21	0.01	0.68	0.58	0.42	0.20
- Black Sea	2.31	0.07	8.71	3.57	5.55	1.28
- Caspian Sea	0.09	0.004	0.34	0.18	0.35	0.10
- Mediterranean Sea	11.82	0.48	44.53	23.50	26.40	8.57
- North Sea	0.15	0.003	0.47	0.14	0.33	0.09
Mean annual air concentrations, ng/m ³	17.39	3.08	0.21	0.07	1.65	1.59

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	1.2	14	9	46	6.5
Deposition to the country						
	kg		g TEQ		kg	
Total deposition to the country	805.3	516.6	422.9	142.6	1015.5	83.7
- Anthropogenic deposition from national sources	264.8	185.5	27.9	17.5	11.6	1.7
- Anthropogenic deposition from other countries	458.5	275.8	73.2	31.3	3.9	1.5
- Intercontinental transport (global sources) ^c	0.0	0.0	36.6	17.2	309.2	27.8
- Secondary sources (re-volatilization) ^d	82.0	55.4	285.1	76.6	690.9	52.7
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region)	299.8	236.3	28.9	18.8	10.5	1.5
Deposition to the regional seas						
- Baltic Sea	1.03	0.75	0.05	0.04	5.4E-03	1.4E-03
- Black Sea	3.51	2.20	0.21	0.17	5.5E-02	9.6E-03
- Caspian Sea	0.06	0.05	0.02	0.02	1.2E-02	1.7E-03
- Mediterranean Sea	26.73	19.05	3.45	1.80	8.2E-01	1.2E-01
- North Sea	0.12	0.25	0.02	0.04	4.0E-03	9.8E-04
Mean annual air concentrations						
	ng/m ³		fg TEQ/m ³		pg/m ³	
	0.27	0.16	19.50	8.22	186.1	15.03

^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