

HM emissions and pollution levels in 1990 and 2013

	Pb		Cd		Hg	
	1990	2013	1990	2013	1990	2013
Emissions, t	2057	210	17	7.4	32	10
Deposition to the country						
Total deposition to the country, t	2724.48	440.00	39.76	13.40	12.92	6.11
- Anthropogenic deposition from national sources, t	817.46	88.40	6.98	3.24	6.97	2.26
- Anthropogenic deposition from other countries, t	879.71	60.40	8.33	2.20	2.88	0.69
- Intercontinental transport (non-EMEP sources), t	14.68	12.80	0.38	0.38	2.97	3.04
- Secondary sources (wind re-suspension), t	1012.63	278.00	24.08	7.55	0.10	0.12
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	855.44	76.20	6.91	2.64	4.31	1.29
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	87.25	7.94	686.02	269.00	412.63	119.00
- Black Sea	7.38	0.51	48.17	15.90	25.62	5.62
- Caspian Sea	1.41	0.07	10.19	2.10	7.17	1.45
- Mediterranean Sea	26.69	2.89	171.33	93.30	73.45	28.50
- North Sea	94.53	12.40	967.33	429.00	536.00	195.00
Mean annual air concentrations, ng/m ³	36.04	5.75	0.49	0.16	1.88	1.55

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	
	139	28	750	65	5.4	3.5
Deposition to the country						
	kg		g TEQ		kg	
Total deposition to the country	52290.2	13671.2	8016.2	1145.4	11240.5	861.5
- Anthropogenic deposition from national sources	40686.2	8902.4	2049.8	177.9	1.7	1.2
- Anthropogenic deposition from other countries	7768.8	3731.4	1947.6	226.2	141.5	6.9
- Intercontinental transport (global sources) ^c	0.0	0.0	640.2	234.2	3598.5	278.2
- Secondary sources (re-volatilization) ^d	3835.2	1037.3	3362.5	507.1	7498.8	575.2
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region)	26408.1	4995.4	1242.8	101.4	1.4	0.8
Deposition to the regional seas						
- Baltic Sea	2156.58	320.00	54.88	3.40	2.8E-02	1.5E-02
- Black Sea	142.50	23.52	5.92	0.39	4.9E-03	2.4E-03
- Caspian Sea	20.71	2.57	1.14	0.08	1.5E-03	7.9E-04
- Mediterranean Sea	264.96	83.46	23.30	2.56	2.8E-02	2.0E-02
- North Sea	1411.19	299.53	41.86	4.62	2.7E-02	1.8E-02
Mean annual air concentrations						
	ng/m ³		fg TEQ/m ³		pg/m ³	
	1.21	0.33	53.10	6.94	237.9	17.79

^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