

HM emissions and pollution levels in 1990 and 2013

	Pb		Cd		Hg	
	1990	2013	1990	2013	1990	2013
Emissions, t	505*	134*	4.5*	2.2*	13*	8.1*
Deposition to the country						
Total deposition to the country, t	447.43	205.00	7.80	5.03	3.24	2.35
- Anthropogenic deposition from national sources, t	98.34	23.30	0.86	0.44	1.74	0.74
- Anthropogenic deposition from other countries, t	144.48	12.10	1.65	0.59	0.31	0.16
- Intercontinental transport (non-EMEP sources), t	16.90	20.30	0.27	0.47	1.13	1.39
- Secondary sources (wind re-suspension), t	187.71	150.00	5.02	3.53	0.06	0.06
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	123.55	40.40	1.01	0.59	0.69	1.15
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	0.29	0.22	2.00	3.04	1.58	3.75
- Black Sea	12.76	2.51	108.71	41.70	71.07	40.10
- Caspian Sea	0.49	0.12	4.20	1.84	3.77	2.43
- Mediterranean Sea	121.25	30.60	1161.18	558.00	1304.74	575.00
- North Sea	0.34	0.05	2.42	0.67	2.03	1.70
Mean annual air concentrations, ng/m ³	18.45	3.84	0.28	0.10	1.77	1.55

* expert estimates

POP emissions and pollution levels in 1990 and 2013

Greece	B[a]P		PCDD/Fs		HCB	
	1990	2013	1990	2013	1990	2013
Emissions ^b	t		g TEQ ^a		kg	
	6.2	8.5	279	16	2.5	2.5
Deposition to the country	kg		g TEQ		kg	
Total deposition to the country	2162.1	2201.0	2770.7	672.4	2641.5	213.3
- Anthropogenic deposition from national sources	977.1	1369.5	536.9	29.6	0.4	0.3
- Anthropogenic deposition from other countries	951.6	592.8	325.5	143.3	11.4	3.3
- Intercontinental transport (global sources) ^c	0.0	0.0	202.8	92.1	1048.4	90.1
- Secondary sources (re-volatilization) ^d	233.4	238.7	1705.5	407.3	1581.3	119.6
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region)	360.7	609.6	202.3	15.5	0.2	0.2
Deposition to the regional seas						
- Baltic Sea	1.33	2.30	0.68	0.04	1.8E-04	3.6E-04
- Black Sea	18.83	24.73	4.98	0.34	5.1E-03	4.5E-03
- Caspian Sea	0.24	0.39	0.51	0.04	6.9E-04	6.8E-04
- Mediterranean Sea	414.59	559.43	258.24	12.85	1.6E-01	1.4E-01
- North Sea	0.24	0.78	0.31	0.05	1.8E-04	2.9E-04
Mean annual air concentrations	ng/m ³		fg TEQ/m ³		pg/m ³	
	0.14	0.12	28.40	5.93	181.0	14.94

^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