

HM emissions and pollution levels in 1990 and 2013

	Pb		Cd		Hg	
	1990	2013	1990	2013	1990	2013
Emissions, t	338	18	6.3	1.2	1.1	0.673
Deposition to the country						
Total deposition to the country, t	486.83	85.90	10.09	3.39	3.02	2.85
- Anthropogenic deposition from national sources, t	147.53	8.01	2.80	0.59	0.15	0.09
- Anthropogenic deposition from other countries, t	182.44	17.80	2.92	1.09	0.38	0.14
- Intercontinental transport (non-EMEP sources), t	6.01	7.64	0.18	0.24	2.42	2.53
- Secondary sources (wind re-suspension), t	150.86	52.50	4.20	1.46	0.08	0.09
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	127.90	6.69	2.35	0.41	0.11	0.06
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	35.68	2.01	733.55	128.00	49.81	23.80
- Black Sea	0.62	0.03	10.54	1.68	0.53	0.25
- Caspian Sea	0.24	0.01	3.99	0.48	0.27	0.11
- Mediterranean Sea	0.53	0.02	8.93	1.23	0.56	0.26
- North Sea	1.05	0.14	18.59	8.17	0.88	1.02
Mean annual air concentrations, ng/m ³	2.92	0.29	0.05	0.01	1.53	1.42

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	
	9.6 ^b	14 ^b	34	12	41	25
Deposition to the country						
	kg		g TEQ		kg	
Total deposition to the country	6295.0	6413.3	1339.6	367.7	12512.9	1034.5
- Anthropogenic deposition from national sources	2800.3	4675.2	85.5	31.1	8.1	6.0
- Anthropogenic deposition from other countries	3230.3	1480.9	372.8	77.8	23.5	1.3
- Intercontinental transport (global sources) ^c	0.0	0.0	381.4	153.8	3556.3	280.1
- Secondary sources (re-volatilization) ^d	264.4	257.3	501.4	105.0	8925.0	747.2
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region)	2154.4	2849.0	56.0	19.0	12.7	6.7
Deposition to the regional seas						
- Baltic Sea	566.52	804.46	15.44	5.96	2.8E+00	1.5E+00
- Black Sea	1.69	6.68	0.18	0.06	5.2E-02	2.5E-02
- Caspian Sea	1.07	2.00	0.07	0.02	1.9E-02	1.1E-02
- Mediterranean Sea	1.47	4.55	0.36	0.10	8.4E-02	4.1E-02
- North Sea	12.21	40.32	0.21	0.26	6.2E-02	4.6E-02
Mean annual air concentrations						
	ng/m ³		fg TEQ/m ³		pg/m ³	
	0.10	0.12	4.67	1.35	208.5	18.31

^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