HM emissions and pollution levels in 1990 and 2012

	Pb		Cd		Hg	
	1990	2012	1990	2012	1990	2012
Emissions, t	645*	64*	1.2*	1.2*	2.2*	2.2*
Deposition to the country						
Total deposition to the country, t	544	128.66	3.41	2.88	1.71	1.56
- Anthropogenic deposition from national sources, t	161	12.93	0.30	0.25	0.12	0.05
- Anthropogenic deposition from other countries, t	202	17.10	0.39	0.31	0.18	0.09
- Intercontinental transport (non-EMEP sources), t	74.7	50.43	1.50	1.06	0.03	0.02
- Secondary sources (wind re-suspension), t	107	48.20	1.23	1.26	1.38	1.40
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	265	26.97	0.45	0.47	0.14	0.07
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	0.031	0.03	0.0000	0.001	0.00	0.00
- Black Sea	0.005	0.01	0.0000	0.0002	0.0001	0.0001
- Caspian Sea	0.001	0.01	0.00	0.00	0.00	0.00
- Mediterranean Sea	0.001	0.01	0.00	0.00	0.00	0.00
- North Sea	0.84	0.44	0.001	0.01	0.001	0.001
Mean annual air concentrations, ng/m^3	22.2	3.59	0.07	0.05	1.19	1.02

* expert estimates

POP emissions and pollution levels in 1990 and 2012

	B[a]P		PCDD/Fs		HCB		PCB-153	
	1990	2012	1990	2012	1990	2012	1990	2012
Emissions[b]	t		g TEQ[a]		kg		kg	
	2.8	2.8	50	50	0.844	0.844	12	3.0
Deposition to the country	kg		g TEQ		kg		kg	
Total deposition to the country	562.5	723.3	444.7	399.7	2442.0	337.3	62.78	15.16
- Anthropogenic deposition from national sources	448.6	480.3	100.7	93.71	0.15	0.14	4.43	1.06
- Anthropogenic deposition from other countries	61.18	155.1	54.44	48.38	1.39	0.38	5.50	1.20
- Intercontinental transport (global sources)[c]	-	-	60.64	41.07	1021.8	158.6	18.68	3.28
- Secondary sources (re-volatilization)[d]	52.68	87.78	228.9	216.6	1418.6	178.1	34.18	9.63
Deposition from the country anthropogenic sources								
Deposition to other countries (EMEP region)	347.2	720.0	76.19	86.02	0.12	0.12	4.02	1.09
Deposition to the regional seas								
- Baltic Sea	0.00	0.89	0.001	0.06	1.9E-06	6.2E-06	2.6E-05	1.7E-04
- Black Sea	0.02	1.88	0.01	0.14	2.5E-06	1.8E-05	1.8E-04	4.4E-04
- Caspian Sea	0.14	6.44	0.06	0.35	2.2E-05	1.1E-04	1.8E-03	1.9E-03
- Mediterranean Sea	0.004	2.99	0.01	0.23	3.9E-06	1.8E-05	9.0E-05	4.4E-04
- North Sea	0.002	0.45	0.001	0.03	1.4E-06	3.6E-06	1.5E-05	7.6E-05
Mean annual air concentrations	ng/m^3		fg TEQ/m^3		pg/m^3		pg/m^3	
	0.04	0.06	7.15	0.01	138.1	17.33	1.01	0.26

[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