HM emissions and pollution levels in 1990 and 2012

	Pb		Cd		Hg	
	1990	2012	1990	2012	1990	2012
Emissions, t	321	117	5.2	2.0	2.4	0.777
Deposition to the country						
Total deposition to the country, t	477	184.27	9.70	5.44	2.22	1.41
- Anthropogenic deposition from national sources, t	104	41.96	1.87	0.76	0.43	0.10
- Anthropogenic deposition from other countries, t	196	22.30	2.62	0.73	0.74	0.27
- Intercontinental transport (non-EMEP sources), t	10.1	8.90	5.02	3.73	0.04	0.04
- Secondary sources (wind re-suspension), t	167	111.11	0.19	0.23	1.01	1.01
Deposition from the country anthropogenic sources						
Deposition to other countries (EMEP region), t	130	45.52	1.99	0.77	0.33	0.07
Deposition to the regional seas (Pb - t, Cd, Hg – kg):						
- Baltic Sea	0.68	0.17	0.01	0.003	0.001	0.00
- Black Sea	16.4	3.77	0.23	0.07	0.04	0.01
- Caspian Sea	0.42	0.14	0.01	0.002	0.001	0.00
- Mediterranean Sea	26.6	9.47	0.45	0.16	0.06	0.01
- North Sea	0.31	0.05	0.004	0.001	0.001	0.00
Mean annual air concentrations, ng/m^3	18.6	5.89	0.38	0.15	1.66	1.40

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	t		g TEQ[a]		kg		kg	
	7.9	9.0	74	59	23	17	27[b]	3.4[b]
Deposition to the country	kg		g TEQ		kg		kg	
Total deposition to the country	3839.0	6392.5	1754.5	1104.7	4607.7	540.4	129.2	31.50
- Anthropogenic deposition from national sources	1750.1	2240.0	148.0	238.3	7.62	5.16	13.96	1.54
- Anthropogenic deposition from other countries	1692.1	3152.9	598.6	169.7	15.60	6.72	16.20	2.86
- Intercontinental transport (global sources)[c]	-	-	44.69	31.21	1094.1	140.9	16.32	2.46
- Secondary sources (re-volatilization)[d]	396.7	999.6	963.2	665.5	3490.4	387.5	82.76	24.64
Deposition from the country anthropogenic sources								
Deposition to other countries (EMEP region)	986.5	2230.2	95.99	131.24	4.16	3.05	6.53	0.93
Deposition to the regional seas								
- Baltic Sea	5.54	12.74	0.29	0.51	3.3E-03	2.2E-03	8.8E-03	1.4E-03
- Black Sea	76.59	171.7	5.10	8.01	3.6E-02	3.0E-02	1.8E-01	1.9E-01
- Caspian Sea	0.81	6.84	0.16	0.24	7.0E-03	5.0E-03	1.1E-02	1.9E-03
- Mediterranean Sea	115.8	415.8	12.83	21.78	3.0E-01	2.2E-01	6.7E-01	7.5E-02
- North Sea	0.53	5.74	0.08	0.20	2.1E-03	1.4E-03	3.6E-03	5.4E-04
Mean annual air concentrations	ng/m^3		fg TEQ/m^3		pg/m^3		pg/m^3	
	0.33	0.46	39.90	0.02	246.35	30.04	2.37	0.57

[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