

HM emissions and pollution levels in 1990 and 2013

| | Pb | | Cd | | Hg | |
|--|--------|--------|--------|--------|--------|--------|
| | 1990 | 2013 | 1990 | 2013 | 1990 | 2013 |
| Emissions, t | 394* | 39* | 0.292* | 0.161* | 0.521* | 0.287* |
| Deposition to the country | | | | | | |
| Total deposition to the country, t | 422.25 | 211.00 | 5.83 | 6.79 | 2.53 | 2.42 |
| - Anthropogenic deposition from national sources, t | 60.90 | 4.84 | 0.05 | 0.02 | 0.05 | 0.02 |
| - Anthropogenic deposition from other countries, t | 137.77 | 12.40 | 0.59 | 0.40 | 0.20 | 0.17 |
| - Intercontinental transport (non-EMEP sources), t | 100.23 | 72.40 | 1.45 | 2.35 | 2.16 | 2.11 |
| - Secondary sources (wind re-suspension), t | 123.35 | 122.00 | 3.74 | 4.02 | 0.12 | 0.12 |
| Deposition from the country anthropogenic sources | | | | | | |
| Deposition to other countries (EMEP region), t | 140.39 | 14.00 | 0.11 | 0.06 | 0.04 | 0.02 |
| Deposition to the regional seas (Pb - t, Cd, Hg – kg): | | | | | | |
| - Baltic Sea | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.02 |
| - Black Sea | 0.15 | 0.06 | 0.11 | 0.25 | 0.03 | 0.06 |
| - Caspian Sea | 21.15 | 1.48 | 16.14 | 6.13 | 5.03 | 2.17 |
| - Mediterranean Sea | 0.04 | 0.02 | 0.03 | 0.06 | 0.02 | 0.02 |
| - North Sea | 0.004 | 0.002 | 0.003 | 0.01 | 0.01 | 0.01 |
| Mean annual air concentrations, ng/m ³ | 14.81 | 6.82 | 0.15 | 0.19 | 1.62 | 1.61 |

* expert estimates

POP emissions and pollution levels in 1990 and 2013

| | B[a]P | | PCDD/Fs | | HCB | |
|--|-------------------|----------|-----------------------|----------|-------------------|---------|
| | 1990 | 2013 | 1990 | 2013 | 1990 | 2013 |
| Emissions ^b | t | | g TEQ ^a | | kg | |
| | 0.280 | 0.280 | 35 | 35 | 1.1 | 1.1 |
| Deposition to the country | | | | | | |
| | kg | | g TEQ | | kg | |
| Total deposition to the country | 115.6 | 139.4 | 3179.6 | 989.0 | 5986.2 | 496.4 |
| - Anthropogenic deposition from national sources | 38.3 | 35.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Anthropogenic deposition from other countries | 71.1 | 96.9 | 174.3 | 185.1 | 8.3 | 2.2 |
| - Intercontinental transport (global sources) ^c | 0.0 | 0.0 | 344.9 | 161.8 | 2464.0 | 216.5 |
| - Secondary sources (re-volatilization) ^d | 6.2 | 6.6 | 2663.1 | 642.0 | 3513.9 | 277.8 |
| Deposition from the country anthropogenic sources | | | | | | |
| Deposition to other countries (EMEP region) | 14.6 | 17.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| Deposition to the regional seas | | | | | | |
| - Baltic Sea | 7.43E-03 | 9.52E-03 | 0.00E+00 | 0.00E+00 | 0.0E+00 | 0.0E+00 |
| - Black Sea | 1.55E-02 | 4.47E-02 | 0.00E+00 | 0.00E+00 | 0.0E+00 | 0.0E+00 |
| - Caspian Sea | 1.98E+00 | 1.70E+00 | 0.00E+00 | 0.00E+00 | 0.0E+00 | 0.0E+00 |
| - Mediterranean Sea | 4.97E-03 | 3.08E-03 | 0.00E+00 | 0.00E+00 | 0.0E+00 | 0.0E+00 |
| - North Sea | 2.04E-03 | 3.17E-03 | 0.00E+00 | 0.00E+00 | 0.0E+00 | 0.0E+00 |
| Mean annual air concentrations | | | | | | |
| | ng/m ³ | | fg TEQ/m ³ | | pg/m ³ | |
| | 0.01 | 0.01 | 7.35 | 5.29 | 162.4 | 13.64 |

^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