

HM emissions and pollution levels in 1990 and 2013

| | Pb | | Cd | | Hg | |
|--------------------------------------------------------|--------|-------|--------|-------|-------|-------|
| | 1990 | 2013 | 1990 | 2013 | 1990 | 2013 |
| Emissions, t | 369 | 25 | 3.8 | 1.3 | 6.6 | 0.864 |
| Deposition to the country | | | | | | |
| Total deposition to the country, t | 336.19 | 42.40 | 2.65 | 1.11 | 1.39 | 0.74 |
| - Anthropogenic deposition from national sources, t | 85.60 | 6.19 | 0.92 | 0.34 | 0.60 | 0.08 |
| - Anthropogenic deposition from other countries, t | 191.73 | 11.10 | 0.90 | 0.33 | 0.27 | 0.11 |
| - Intercontinental transport (non-EMEP sources), t | 3.31 | 2.89 | 0.07 | 0.08 | 0.51 | 0.53 |
| - Secondary sources (wind re-suspension), t | 55.55 | 22.20 | 0.75 | 0.36 | 0.02 | 0.02 |
| Deposition from the country anthropogenic sources | | | | | | |
| Deposition to other countries (EMEP region), t | 222.55 | 13.90 | 2.26 | 0.74 | 1.01 | 0.13 |
| Deposition to the regional seas (Pb - t, Cd, Hg – kg): | | | | | | |
| - Baltic Sea | 4.35 | 0.28 | 41.01 | 13.50 | 15.70 | 1.95 |
| - Black Sea | 1.71 | 0.06 | 15.96 | 2.73 | 6.23 | 0.45 |
| - Caspian Sea | 0.25 | 0.01 | 2.34 | 0.49 | 1.63 | 0.16 |
| - Mediterranean Sea | 16.72 | 1.36 | 163.32 | 68.70 | 44.90 | 7.82 |
| - North Sea | 5.85 | 0.40 | 57.10 | 20.50 | 19.09 | 2.83 |
| Mean annual air concentrations, ng/m ³ | 27.57 | 2.55 | 0.20 | 0.07 | 1.67 | 1.38 |

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 | |
| | 6.6 | 2.1 | 201 | 17 | 172 | 0.417 |
| Deposition to the country | | | | | | |
| | kg | | g TEQ | | kg | |
| Total deposition to the country | 1993.7 | 876.0 | 1086.8 | 192.5 | 1306.7 | 102.2 |
| - Anthropogenic deposition from national sources | 1100.3 | 374.1 | 355.1 | 30.9 | 36.6 | 0.1 |
| - Anthropogenic deposition from other countries | 727.7 | 432.4 | 149.0 | 38.9 | 11.0 | 0.8 |
| - Intercontinental transport (global sources) ^c | 0.0 | 0.0 | 97.9 | 39.3 | 466.8 | 38.9 |
| - Secondary sources (re-volatilization) ^d | 165.7 | 69.5 | 483.7 | 83.4 | 792.3 | 62.5 |
| Deposition from the country anthropogenic sources | | | | | | |
| Deposition to other countries (EMEP region) | 1999.1 | 575.9 | 522.4 | 41.2 | 55.1 | 0.1 |
| Deposition to the regional seas | | | | | | |
| - Baltic Sea | 27.97 | 6.47 | 3.48 | 0.19 | 1.1E-01 | 3.0E-04 |
| - Black Sea | 6.06 | 1.06 | 1.48 | 0.10 | 1.0E-01 | 2.3E-04 |
| - Caspian Sea | 0.42 | 0.10 | 0.25 | 0.02 | 4.4E-02 | 9.0E-05 |
| - Mediterranean Sea | 29.43 | 15.36 | 13.50 | 1.56 | 1.5E+00 | 4.3E-03 |
| - North Sea | 21.40 | 4.31 | 2.80 | 0.27 | 1.2E-01 | 3.8E-04 |
| Mean annual air concentrations | | | | | | |
| | ng/m ³ | | fg TEQ/m ³ | | pg/m ³ | |
| | 0.35 | 0.14 | 50.40 | 6.96 | 208.4 | 15.79 |

^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