United Nations Environment Programme

UNEP

UNEP's work on Hg release inventories

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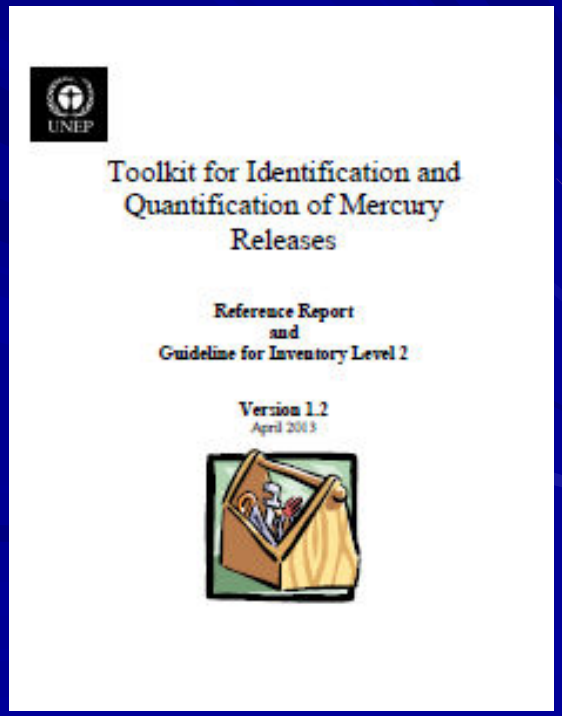
Types of inventories

- Global Hg release inventories
- National Hg release inventories

Tools:

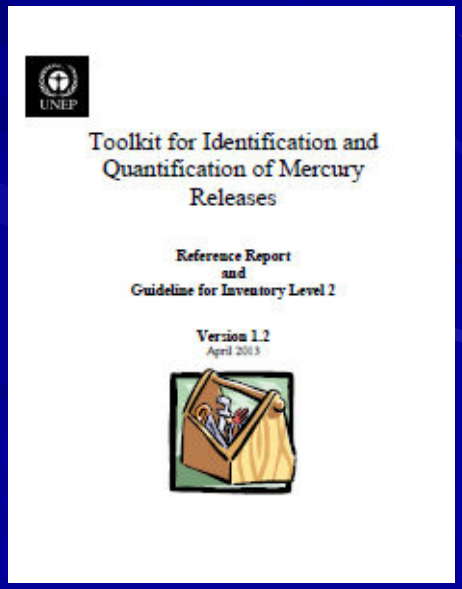
- UNEP Toolkit for the Identification and Quantification of Hg Releases



Main challenge: obtain data

Why national inventories ?

- **Inventories are the basis for prioritizing actions**
- Identify key sectors and stakeholders
- Initiate Hg communication with stakeholders
- Helps identifying environments and populations at risk
- Monitoring progress in reduction efforts



UNEP's Mercury Inventory Toolkit – 2 levels of detail

Level 1:

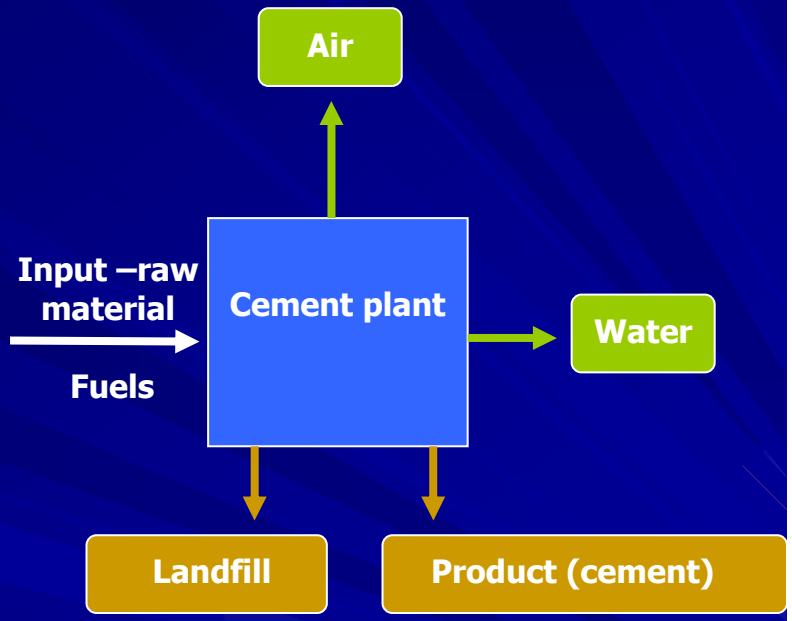
- Default factors and guidance provided;
- Simplified and standardised procedure and tools for basic inventories

Level 2: Open framework; encourages use of specific national data

THE TOOLKIT IS FOR GUIDANCE ONLY

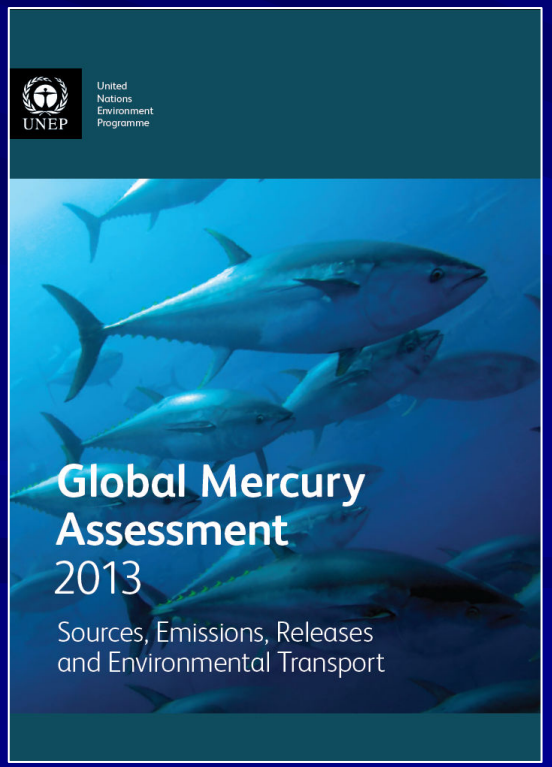
Toolkit key principle

- Mass balance principle used:
  - Hg inputs
  - Hg output distribution
- Hg releases in the whole life cycle of product/material
- Hg releases to all media/pathways



Global Mercury Assessment 2013

- Summary report for policy makers
- Technical Background Report



Global Hg Assessment 2013 - Emissions estimates

New and improved methodology:

- Differences in pollution control technologies factored into the calculations
- Differences in Hg content in fuels and raw material factored into the calculations.
- A more detailed analysis of some major sectors (e.g. ASGM, combustion of fossil fuels, oil refineries, aluminium production)

Extensive expert engagement

Methodology

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