





Minamata Convention: Initial Assesment of Turkey Introduction Ivan Holoubek 1, 2, 3







Research centre for toxic compounds in the environment





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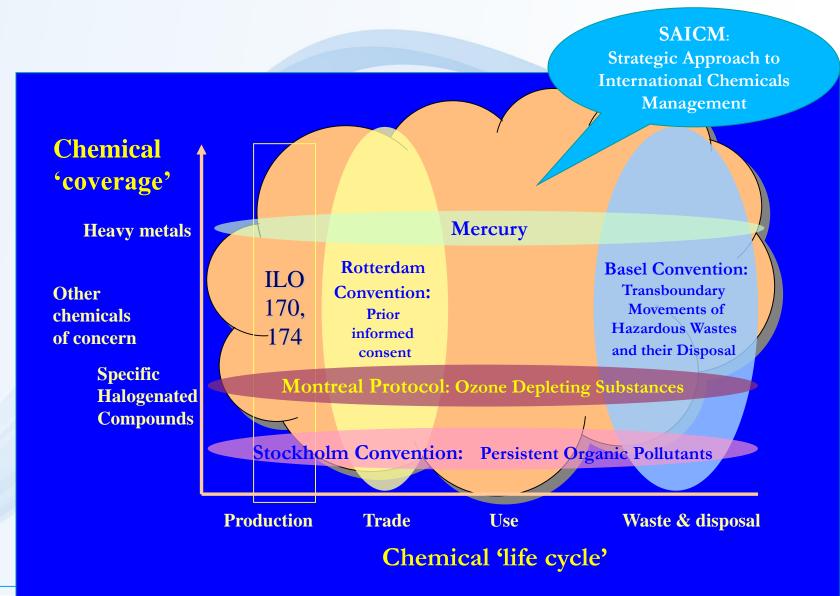
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Words to Actions: Treaties to Partnerships











Global Mercury Assessment

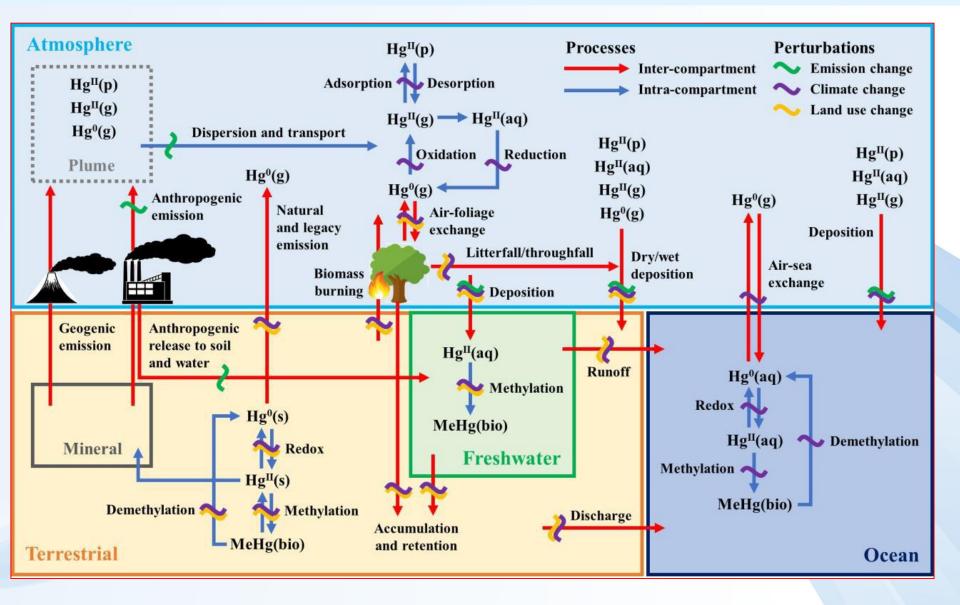
UNEP's Global Mercury Assessments provide authoritative information on anthropogenic sources of mercury emissions to inform policymakers, researchers and the general public.







Critical processes of global importance for Hg cycling









Mercury – sources and use

Natural sources: as compounds – igneous rocks, sedimented sulphidic minerals, elemental form - rare.

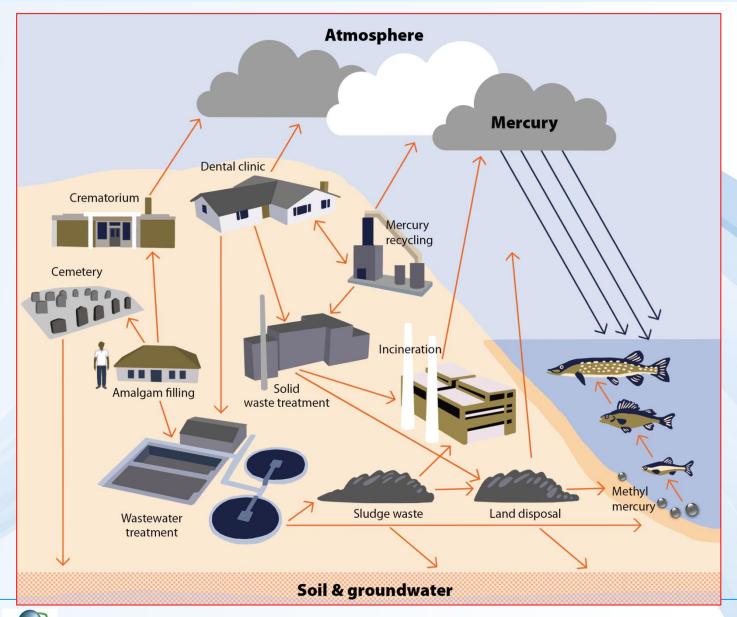
Anthropogennic sources:

- **Some fungicides for pulp bleaching**
- **Production of chlorinated hydrocarbons**
- **Destillation of oils nd coals**
- **Production of electric contacts**
- **♦** Agricultural stains
- **Ore processing**
- **♦** Amalgamation
- **Solution** Electrochemical production
- **Regulation technics**
- Medicine active components of different diuretics, antiseptics, dermal drugs, tooth amalgames
- **♦** Laboratory colorants





Sources and environmental fate of Hg



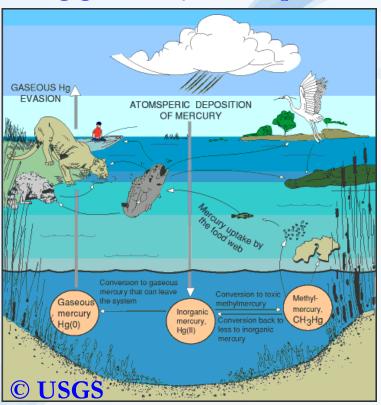




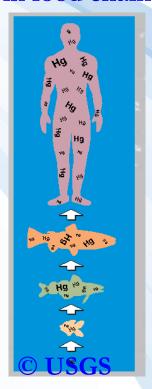
Human exposure to Hg

Major Hg exposure pathway is through fish consumption

Hg general cycle in aquatic



Hg accumulation in food chain













Waste management



Coal combustion



Products



Cement



Artisanal and Small Scale Gold





Transport and fate



Chlor-alkali



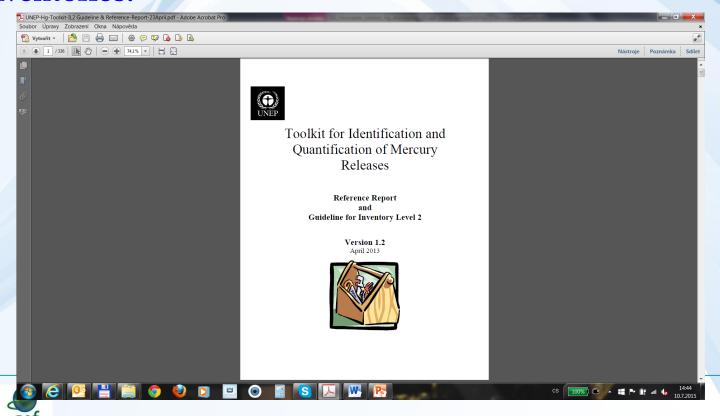
Supply and storage



Mercury Inventory Toolkit

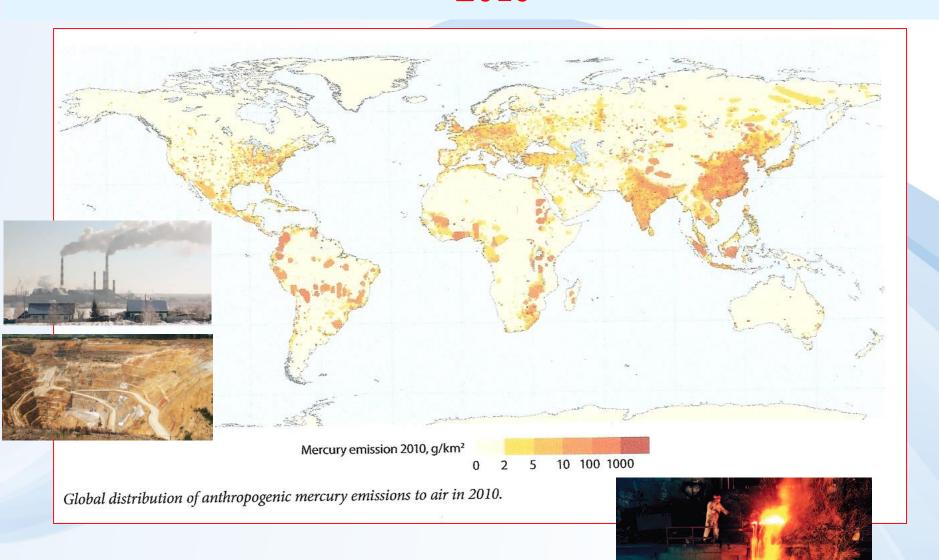
UNEP's Mercury Inventory Toolkit is intended to assist countries in developing national mercury release inventories.

The Toolkit provides a standardized methodology, enabling countries to produce consistent and well-document inventories.





Global distribution of anthropogenic Hg emissions - 2010





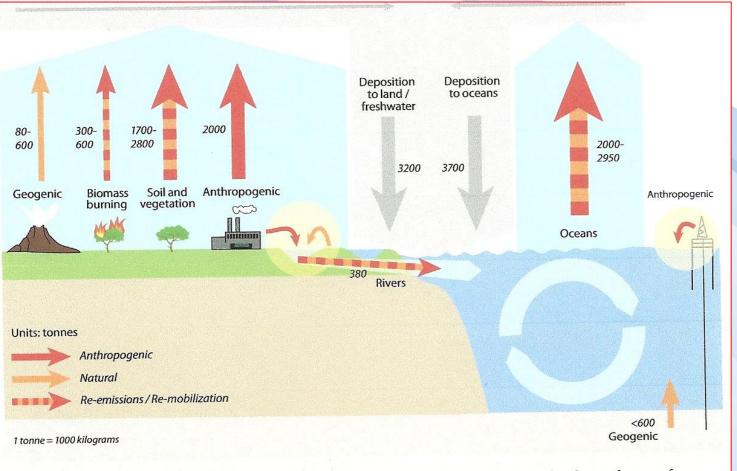


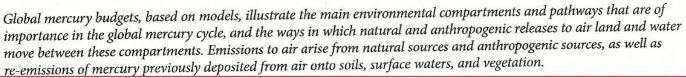
Estimation of the the global Hg cycle







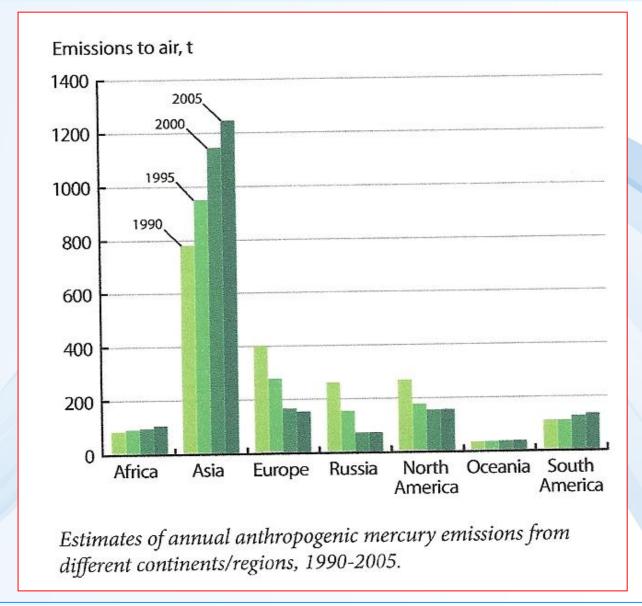








Estimation of annual anthropogenic Hg emissions











Teşekkür Ederim







