



Mercury: mining in the global context

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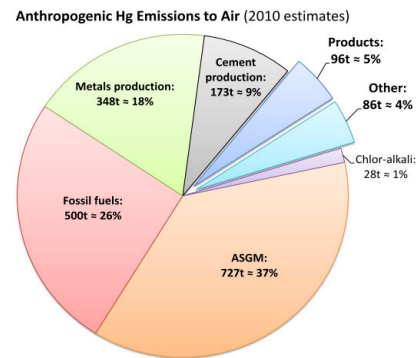
Why mercury?

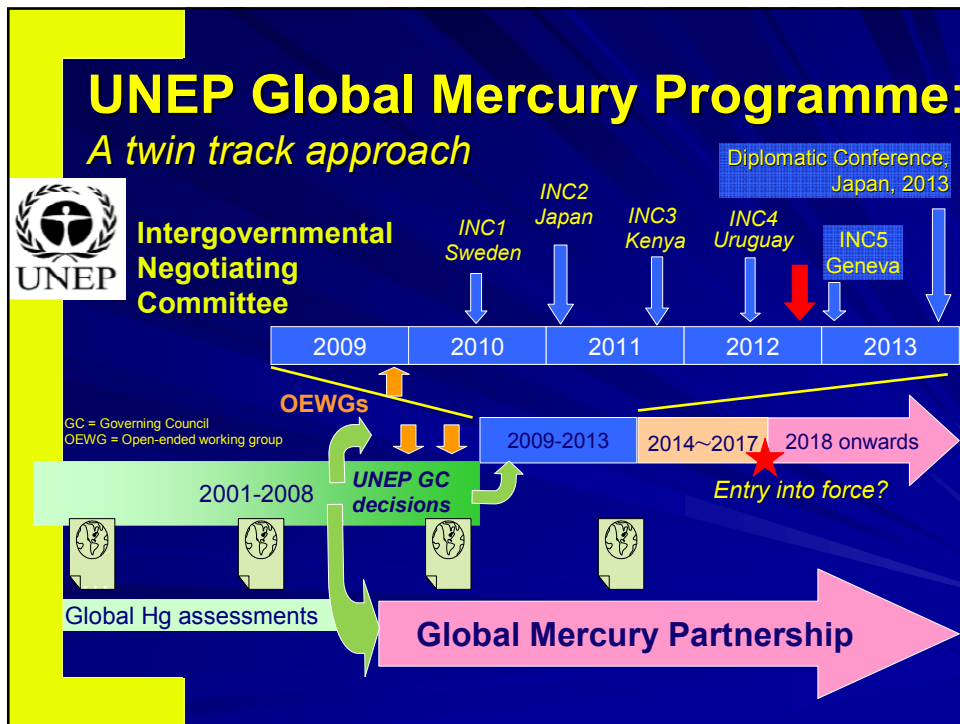
Global concern...

- atmospheric transport
- environmental residence
- bio-accumulation
- adverse effects on human health and the environment

The most cost-effective approach is to tackle at source

Source: Dastoo, A. and Davignon, D. (2008), Eds: Pirrone, N. and Mason, R. Interim Report of the UNEP Global Partnership





Negotiating a global treaty

Intergovernmental Negotiating Committee:
 > 125 Governments
 > 500 participants including observers: UN agencies, civil society, academia, industry

Substantive articles reflect mandate and principles set out by UNEP Governing Council:

- ...
- C. Supply
- D. International trade in mercury
- E. Products and processes
- F. Artisanal and small-scale gold mining
- G. Emissions and releases
- H. Storage, wastes and contaminated sites
- I. Financial resources and technical and assistance
- J. Awareness, research, monitoring, communication
- ...

Chair of the INC has been entrusted to prepare a draft treaty text for consideration at INC 5

Primary Mining: Proposed Convention Text



Article 2. Definitions (i)

- “Primary mercury mining” means mining in which the principal material sought is mercury

Article 3 paragraph 3

- Each Party shall not allow primary mercury mining that was not being conducted within its territory at the date of entry into force of the Convention for it.

Primary Mining: Proposed Convention Text



Article 3 paragraph 4

- Each Party with primary mercury mining within its territory prior to the date of entry into force of this Convention shall not allow the export, sale or distribution in commerce of mercury or mercury compounds produced from this supply source except for:
 - (a) Uses listed in Part II of Annex D; or
 - (b) Disposal in accordance with Article 13.

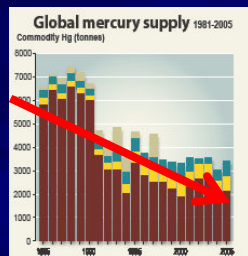
Primary Mining: Proposed Convention Text



(a) Uses listed in Part II of Annex D

Mercury-using process	Provisions of use
Vinyl chloride monomer production	<p>Measures to be taken by the Parties shall include but not be limited to:</p> <ul style="list-style-type: none"> (i) Promoting measures to reduce the use of mercury; (ii) Promoting measures to reduce the reliance on mercury from primary mining; (iii) Controlling emissions and releases pursuant to Articles 10 and 11; (iv) Supporting research and development in respect of mercury-free catalysts and processes; (v) Not allowing the use of mercury [five years] after the Conference of the Parties has established that alternatives have become globally accessible and socio-economically and technically feasible.

Mercury supply and demand



Short term effect:



Long term effect:

Demand/Consumption by Product Category (2007)	
Batteries	200 – 400 t
Dental use	250 – 350 t
Measuring devices	250 – 350 t
Switches and relays	100 – 200 t
Lighting	110 – 140 t

Processes
Mercury-cell chlor-alkali
Acetylene-based VCM



Supply > demand in all regions in the next few years



Mercury

A priority for action



Global Mercury Partnership

Protecting human health and the global environment by reducing risks from mercury.

Key actions:

- Reducing mercury use and releases from products and processes.
- Promoting alternatives in artisanal and small scale gold mining.
- Providing storage options and improving waste management practices.
- Understanding air emissions and transport in the atmosphere.

<http://www.unep.org/hazardousubstances/>

Supporting the Kyrgyz Republic:



- The State Agency for Environmental Protection and Forestry,
- The Osh Aarhus Environmental Information Centre













unitar
United Nations Institute for Training and Research



Support objective

UNEP and partners recognize:

- the importance of the mine for employment,

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/?reportId=5_15367



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