

Mercury Partnership Areas

**Other than:
Products, Waste, Supply and Storage**

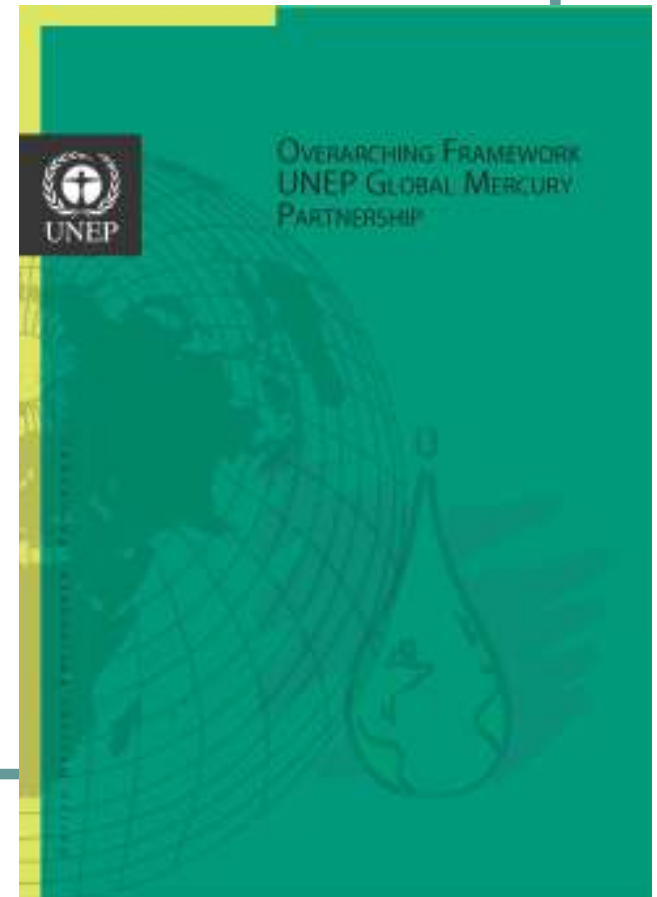
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Presently 7 Partnership Areas

1. Artisanal/small-scale gold mining
2. Coal combustion
3. Chlor-alkali sector
4. Air transport and fate research
5. Reduction in products
6. Waste management
7. Supply and storage

Other possible areas:

- cement production
- non-ferrous metals mining



Summary of Global Hg Partnership

- Overarching Framework was launched in 2008.
 - Identifies objective, priority actions, an advisory group as well as overall operational guidelines.
- Currently 46 official partners, UNEP is Secretariat.
- Projects focused on minimization and where possible elimination of mercury use and releases.
- Generating important information for the treaty negotiation process, such as technical guidance documents and awareness raising materials.

Chloralkali sector

- The objective of this partnership area is to significantly minimize and where feasible eliminate global mercury releases to air, water, and land that may occur from chlor-alkali production facilities;
- Use and emission trends going down due to phase out of mercury use;
- Issue is storage of excess mercury from existing plants.

Chloralkali in 2008

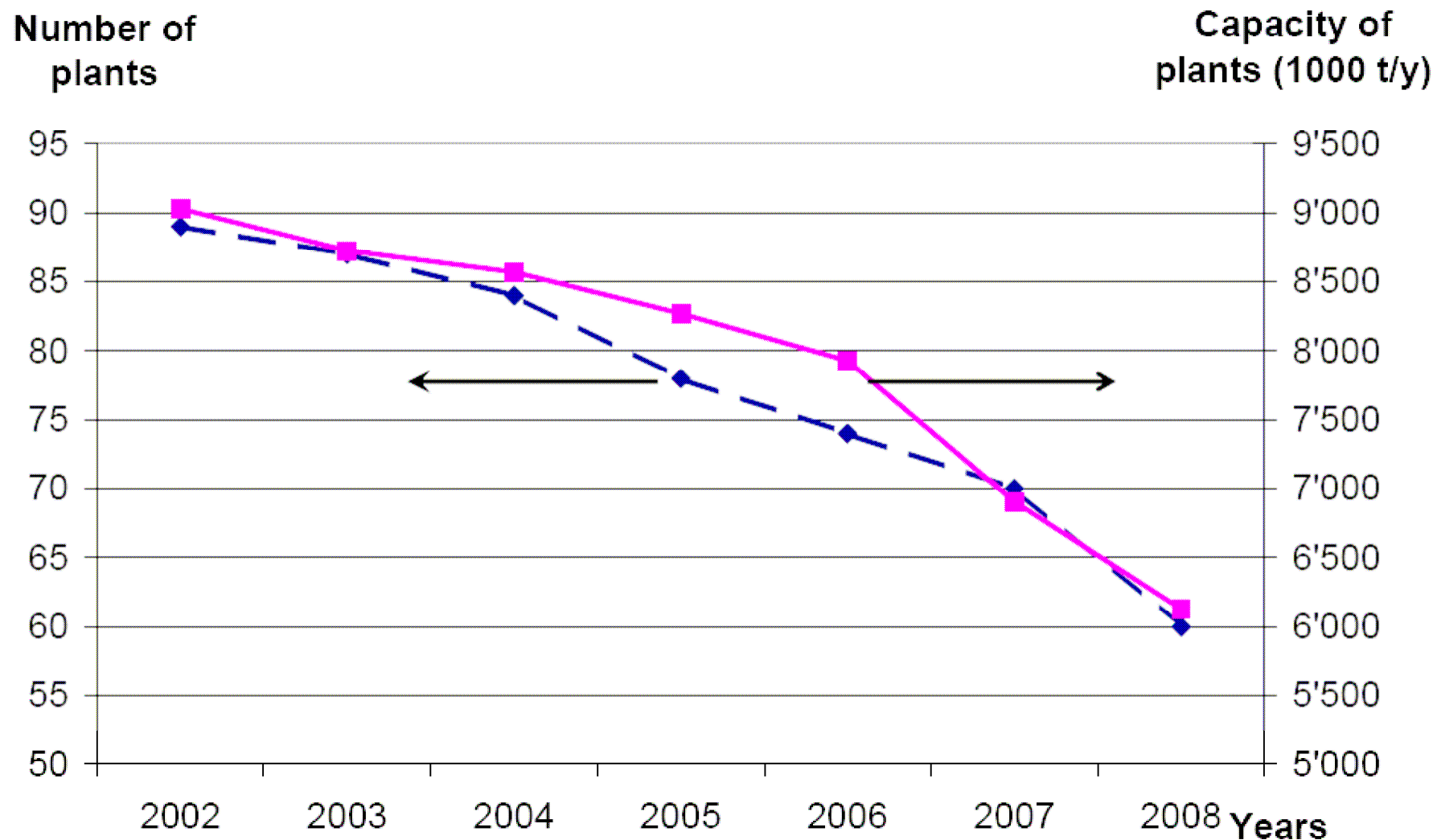
Mercury consumption and emissions from chloralkali plants
(kg per year)

Source: World Chlorine Council (2009)

| Production year: 2008 | | | | | | | | | |
|--|-----------|------------------------------|-------------------------|------------------|----------------------|-------------------|-----------------|-----------------|----------------|
| Country or Area | Hg plants | Capacity | Purchases /Sales | Consumption /Use | Emission to products | Emission to water | Emission to air | Total emissions | Solid waste |
| | Number | In 1000 t Cl ₂ /y | kg Hg /y (- if sold) | kg Hg /y | kg Hg /y | kg Hg /y | kg Hg /y | kg Hg /y | kg Hg /y |
| Europe | 37 | 4'483 | 24'467 | 148'232 | 290 | 319 | 3'500 | 4'109 | 157'239 |
| United States of America + Canada | 5 | 591 | 0 | 3'845 | 14 | 14 | 917 | 945 | 1'572 |
| India | 8 | 215 | 2'323 | 5'177 | 25 | 0 | 170 | 195 | 442 |
| Brazil + Argentina (1 plant) + Uruguay (1 plant) | 7 | 438 | 21'716 | 9'753 | 49 | 13 | 1'371 | 1'434 | 4'765 |
| Russia | 3 | 402 | 40'903 | 29'790 | 37 | 20 | 700 | 757 | 21'607 |
| Total | 60 | 6'129 | 89'408 | 196'797 | 415 | 366.4 | 6'658 | 7'440 | 185'625 |

WCC - Chlor-Alkali Industry

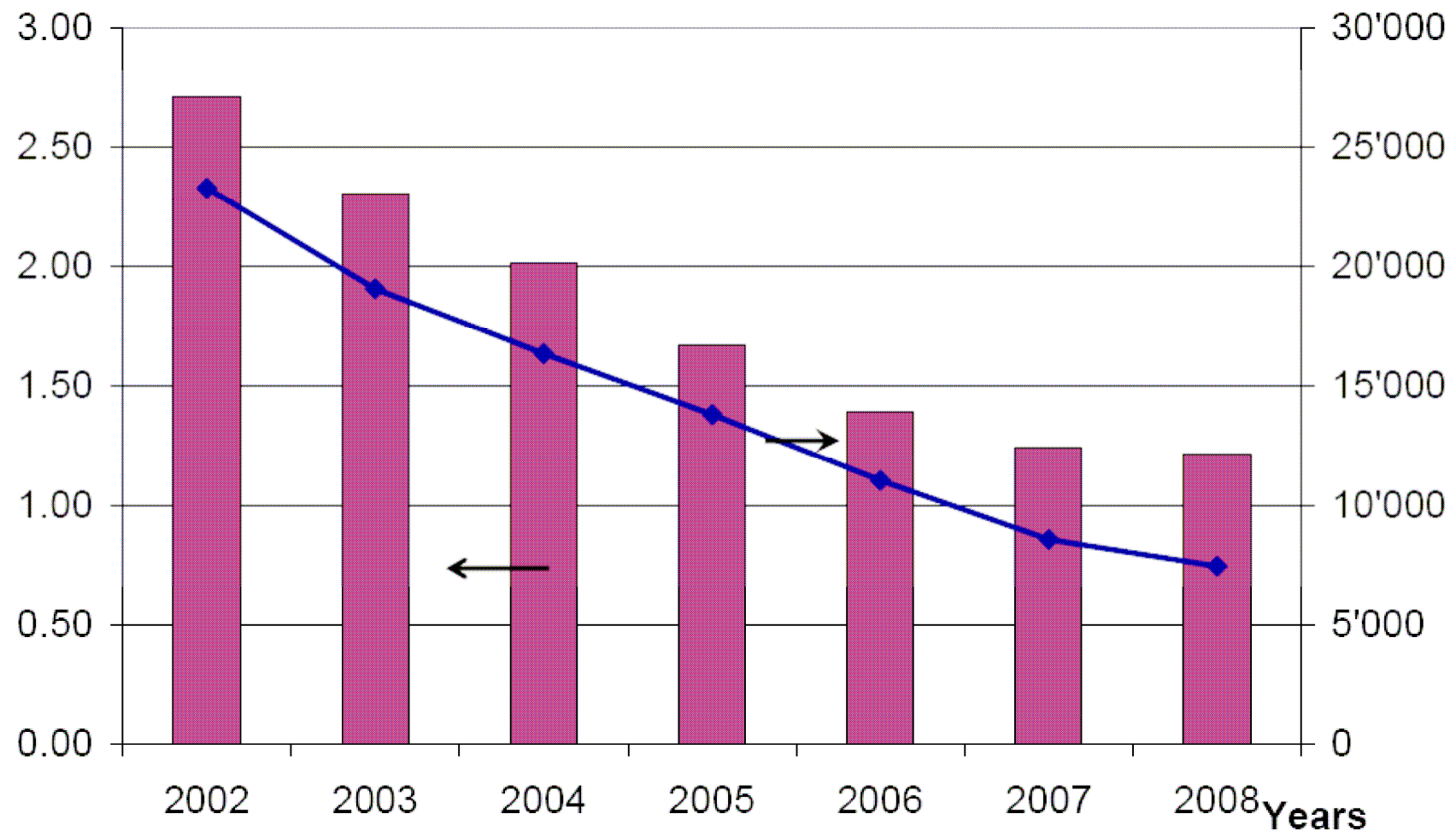
Number of plants and capacity of mercury electrolysis units
in USA/Canada, Europe, Russia, India and
Brazil/Argentina/Uruguay



WCC - Chlor-Alkali Industry

Total mercury emissions (air + water + products)
for USA/Canada, Europe, India and Brazil/Argentina

(plus 1 Uruguayan and 3 Russian plants from 2005 onwards)
g Hg/t Cl₂ annual cap. kg Hg/y



port and fate research

aly offered to lead this Partnership
lose cooperation with the U.S.,
Japan and other interested partners;
e maintained at the Italian National
n Council
w.cs.ia.cnr.it/UNEP-MFTP/index.htm.

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_14233

