



ARTISANAL
GOLD COUNCIL

ASGM Inventory Development



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Mercury Toolkit and Global Mercury Assessment - UNEP

Fossil Fuel Burning – 25%

Mining, smelting, & production of metals – 18%

Cement Production – 9%

Oil Refining – 1%

Contaminated Sites – 4%

Artisanal and small-scale gold mining – 37%

Chlor-alkali industry – 1%

Consumer product waste – 5%

Cremation - <1%



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The Challenges



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www.mercurywatch.org

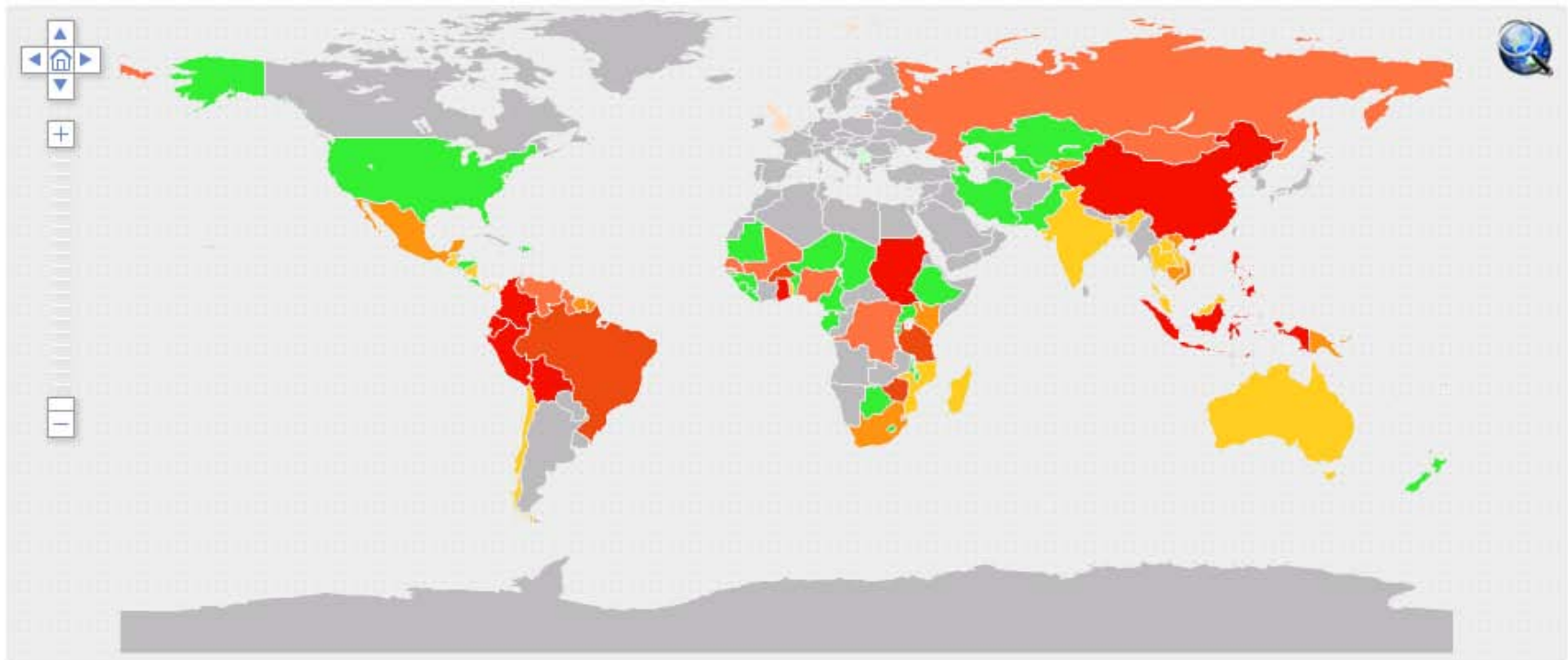
Mercury Hg Watch

Charting the improvement of artisanal small-scale gold mining



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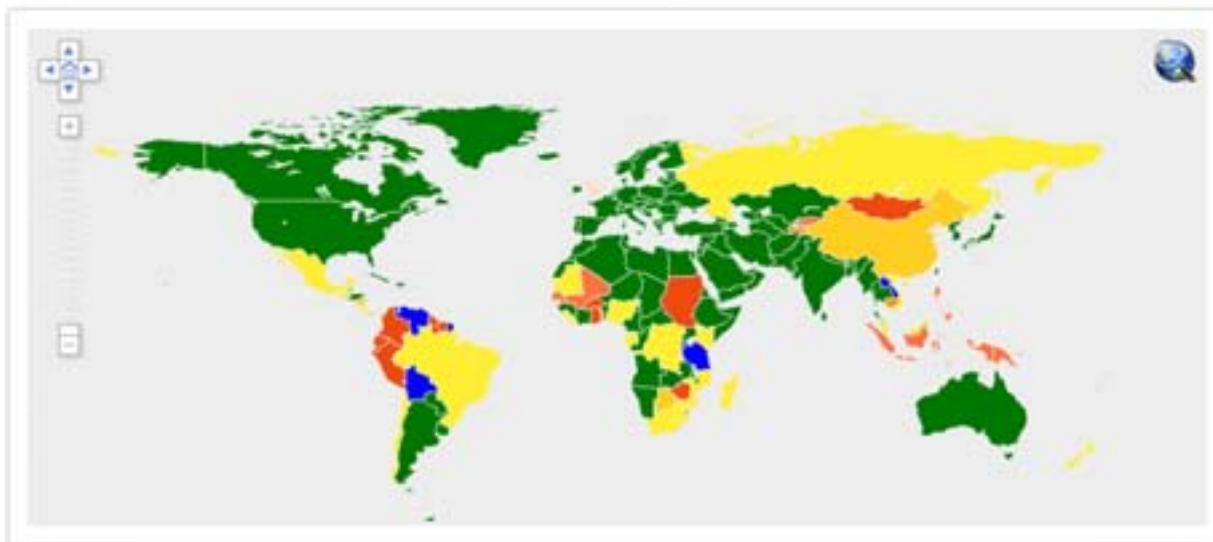
Mercury **Hg** Watch

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Selection Criteria

Mean ASM Mercury:

per:

UN data live from: [UNEP](#)

ASM Mercury Released / Population

- 0
- 0.0001 to 0.0002
- 0.0003 to 0.0004
- 0.0005 to 0.0006
- 0.0007 to 0.0014
- 0.0015 to 0.02
- Over 0.02



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Inventories



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Needs:

- Flexible strategy
- Expertise
- Field Time
- Develop good relations
- Collect information

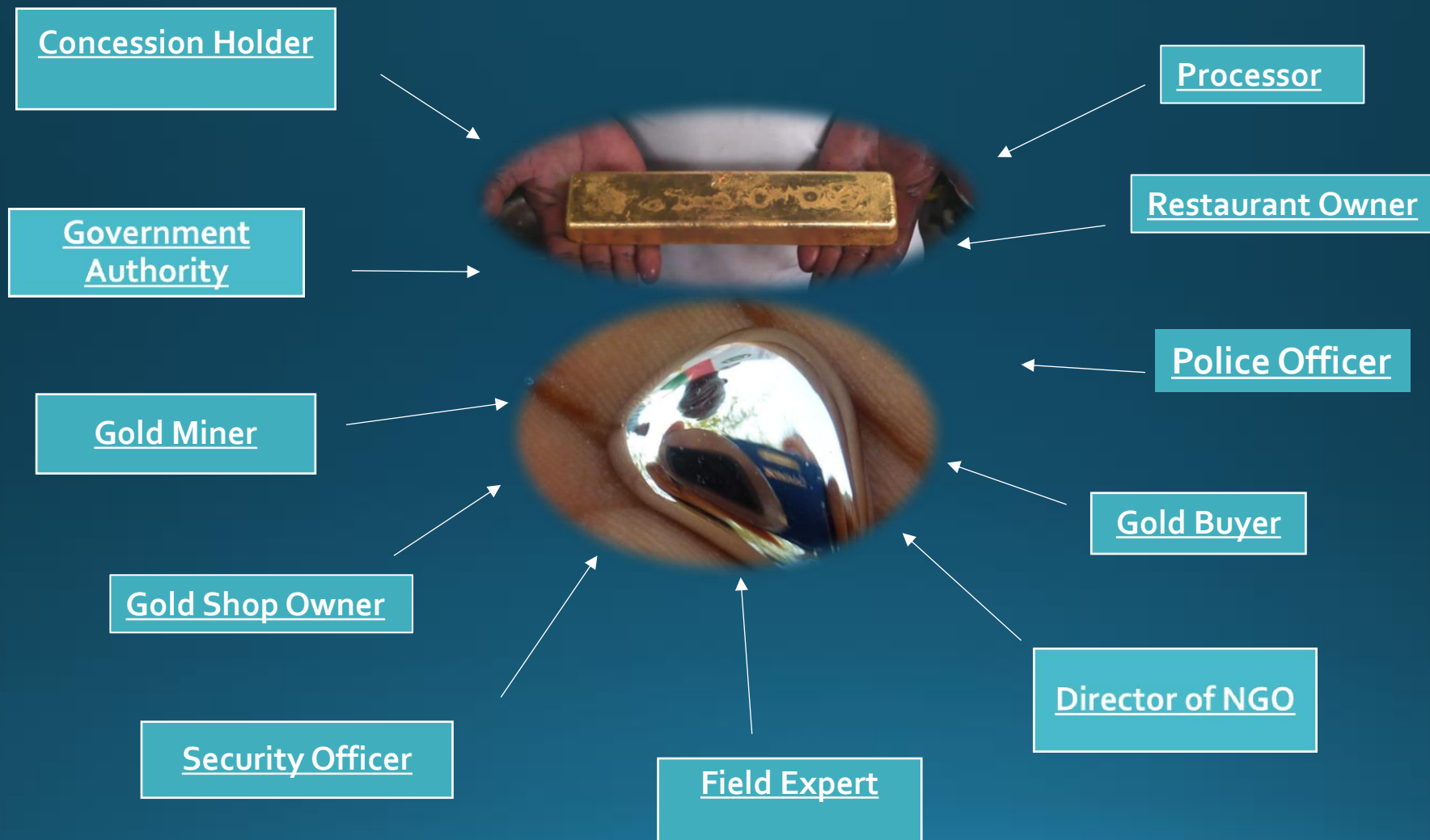


Triangulation

- Multiple sources of Information
- Quality of information
- Understanding of the sector
- Demands adequate time in the field



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Key Information

- Is mercury used?
- What are the treatment methods?
- How much mercury is consumed per unit of gold?
- How much gold is produced?
- How many miners are there? How much money do they make?



Information- Economic Context

**GOLD
PRODUCTION**

**NUMBER OF
MINERS**

**PRODUCTION
METHOD**

**SUPPLY
CHAIN**



Information – Social Context



**DEMOGRAPHIC
AND SOCIAL**

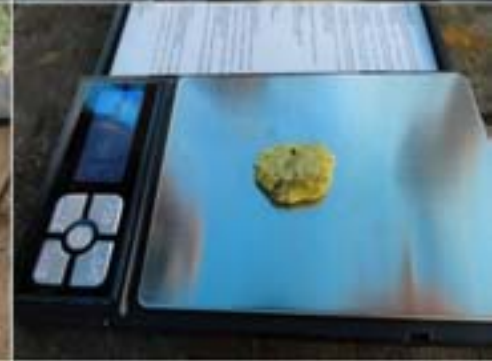
**AVAILABLE
SERVICES**

**HYGIENE AND
SAFETY**



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Thank You

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