Reducing Mercury Use in ASGM
Introduction to the draft technical guidance document under development

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Basis of the Tech Document

• UNEP Governing Council Decision 25/5, paragraph 4: strengthen and enhance activities related to artisanal and small scale gold mining
• Purpose: to assist national governments with the development of models for programme design to improve national-level public policy
• Steering Group – presenters plus Partnership Area leads (UNIDO + NRDC)
Structure of the Tech Doc

• Relatively Short so that it is simple, attractive and functional
• Content
  – Control Options – Existing Technologies
  – Access Requirements
  – Operational Requirements
  – Gold Recovery Statistics
  – Social Aspects to Consider
  – Untested Technologies with Potential

Format and timing of the tech doc

• April 2011
  – Static document
  – Posted on web
  – Web based document – Wiki like evolving document
• May 2011
  – Peer Review complete
  – Dissemination Strategy Developed
Field Testing

- Ghana – zero mercury
- Tanzania – vapour capture
- Elimination of whole ore amalgamation
- Retort use
- Reactivation of mercury
- Mercury and Cyanide

— Philippines? Peru? Guyana? Indonesia?

Reducing open burning: Vapour Capture
Ms. Budi Susilorini, Indonesia, Blacksmith Institute
Reducing open burning: Retort use
Mr. Rickford Vieira, Guyana, WWF
Reactivation of Mercury
Mr. Sumali Agrawal, Indonesia, YTS

Eliminating whole-ore amalgamation
Mr. Manuel Reinoso, Peru, SONAMIPE
Eliminating whole-ore amalgamation
Mr. Manuel Reinoso, Peru, SONAMIPE

Avoiding Mercury and Cyanide
Philippines, Banguet Corp.
Avoiding Mercury and Cyanide
Philippines, Banguet Corp.

Zero Mercury: Direct Smelting
Dr. Jerry Kuma, Ghana, UMAT
Existing Mercury Reduction Technologies

- Reducing open burning: Vapour Capture
  - Ms. Budi Susilorini, Indonesia, Blacksmith Institute
- Reducing open burning: Retort use
  - Mr. Rickford Vieira, Guyana, WWF
- Moving away from mercury whole-ore amalgamation
  - Mr. Manuel Reinoso, Peru, SONAMIPE
- Reactivation of mercury
  - Mr. Sumali Agrawal, Indonesia, YTS
- Avoiding combining mercury and cyanide
  - Mr. Lomino Kaniteng, Philippines, Banguet Corp.
- Zero Mercury Processing by direct smelting
  - Dr. Jerry Kuma, Ghana, UMAT
  - Enhanced Gravity; Small Scale Cyanidation (Dr. Kevin Telmer, Canada)

Breakout Groups

1. Questions
2. Discussion
3. Recording
4. Reporting Back