

# REDUCING MERCURY USE IN ARTISANAL SMALL-SCA

## ARTISANAL AND SMALL-SCALE GOLD MINING



20% of world's gold





women and children







WHY IS IT HARD TO FORMALIZE THE SECTOR?







Governments' lack of capacity

Little or no enforcement of legislation because of



Land ownership





Investors view the

sector as high risk





Difficult to put in place due diligence across the



AND SMALL-SCALE GOLD MINING



Gold buyers do not know how to buy gold directly from the sector

Widely available



Gold traders supply mercury



No formal training

Little or no awareness

of the risks of mercury

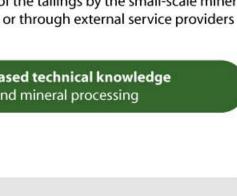
to the miners - miners then sell the gold back to the traders

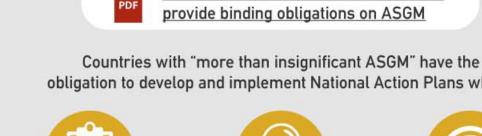
GRAVIMETRIC SEPARATION CHEMICAL EXTRACTION separating the gold from the ore using of the tailings by the small-scale miners panning, sluicing, centrifuges

HOW THE MINAMATA CONVENTION SAFEGUARDS ARTISANAL SMALL-SCALE GOLD MINING SECTOR (ASGM)









Establish inventory

of the sector

obligation to develop and implement National Action Plans which:

Article 7 and annex C of the convention provide binding obligations on ASGM

**GOVERNMENTS TO BAN WORST PRACTICES** 

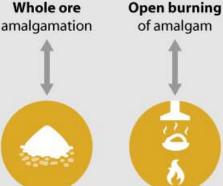
No burning of

amalgam in

areas away from the

Establish strategy for

formalizing the sector



concentrate ore

Mill and



of amalgam

(retorts)

Use of mercury Process and extract vapour tools in designated work



No cyanide

Set targets for reducing

mercury pollution

vulnerable population **GOVERNMENTS TO PROMOTE BEST PRACTICES** 

Ensure mercury

is removed before

applying cyanide

HOW WILL GEF GLOBAL OPPORTUNITIES FOR LONG-TERM DEVELOPMENT (GEF GOLD) TRANSFORM ARTISANAL SMALL-SCALE GOLD MINING





Educate gold consumers on the social and environmental benefit of cleaner gold

Minamata Convention on Mercury

http://www.mercuryconvention.org/



and cleaner non-mercury techniques

Health Impacts of Mercury

http://www.who.int/ipcs/assessment/public\_health/mercury/en/

Show the benefits of more efficient

 $\label{lem:condition} \textbf{Reducing Mercury in Artisanal and Small-Scale Gold Mining} \\ \textbf{http://www.unep.org/chemicalsandwaste/Mercury/GlobalMercuryPartnership/ArtisanalandSmallScaleGoldMining/tabid/3526/language/en-US/Default.aspx} \\ \textbf{ArtisanalandSmallScaleGoldMining/tabid/3526/language/en-US/Default.aspx} \\ \textbf{ArtisanalandSmallScaleGoldMining/tabid/aspx} \\ \textbf{ArtisanalandSmallScaleGoldMining/tabid/aspx} \\ \textbf{ArtisanalandSmallScaleGoldMining/tabid/aspx} \\ \textbf{ArtisanalandSmallScaleGoldMining/tabid/aspx}$ 

