

# REDUCING MERCURY EXPOSURES AND TRANSITIONING MINERS AWAY FROM MERCURY USE

*Anglophone West Africa Regional Awareness-raising  
Workshop On Mercury In Artisanal & Small Scale  
Mining (ASGM)-Lagos, Nigeria, June 2011*

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**AGENDA**  
For **Environment** and Responsible Development

# **Presentation Outline**

- **Part I: Reducing Mercury Emissions From Small Scale Gold Refining Facilities In Tanzania**
- **Part II: Transitioning Miners Away From Mercury Use**

# **Reducing Mercury Emissions From Small Scale Gold Refining Facilities In Tanzania**

# INTRODUCTION

- AGENDA is currently implementing a project **“Reducing Mercury Emissions From Small Scale Gold Refining Facilities In Tanzania”**
- The goal is to contribute into to reducing environmental pollution from mercury pollution by artisanal and small scale gold miners in Tanzania and hence associated health problems
- The objective is to create awareness on fume hood technology that reduces release into the environment and re-use of the mercury that is used to recover fine gold from artisanal and small scale gold miners

## Introduction.....

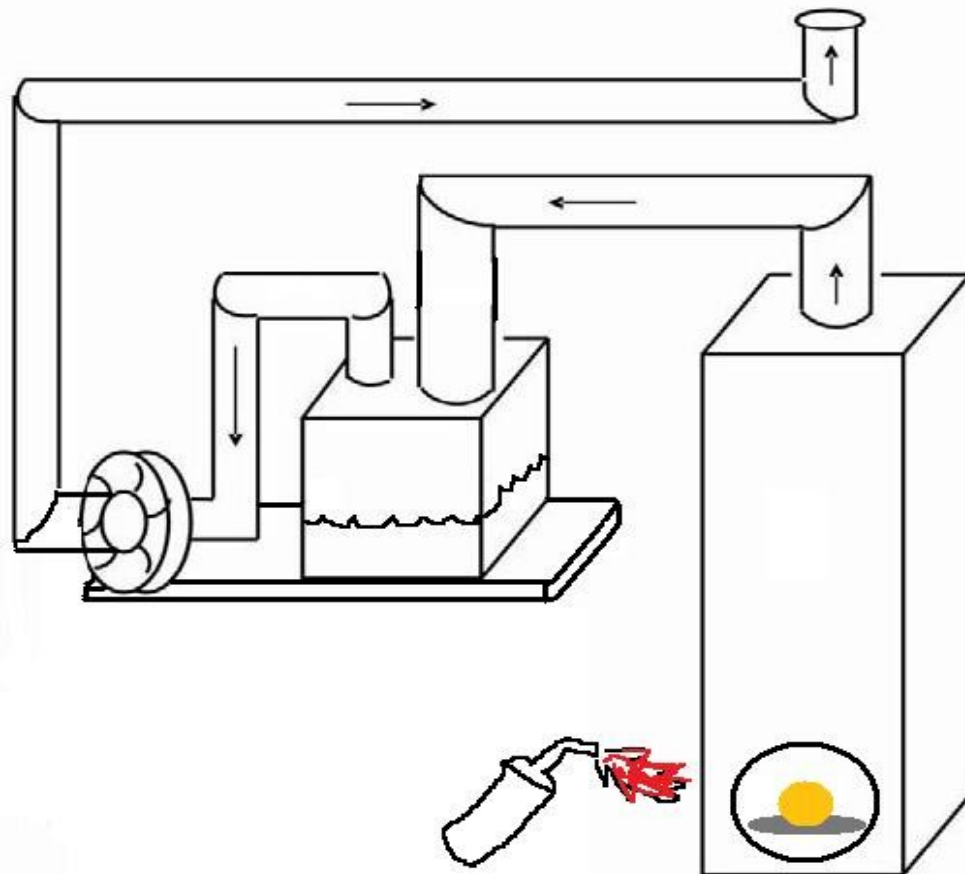
The project is implemented by:

- Conducting training of trainers to small scale miners, gold brokers, Mining Officers and key Government Officials on fume hood technology;
- Awareness raising to gold shop owners, small scale miners and general public on impacts of mercury to human health and the environment through media;



# FUME HOOD CONDENSER TECHNOLOGY

- Minimising mercury release on the environment and exposure risks by encourage brokers install fume hood and encourage miners to burn their amalgam at brokers place/shops



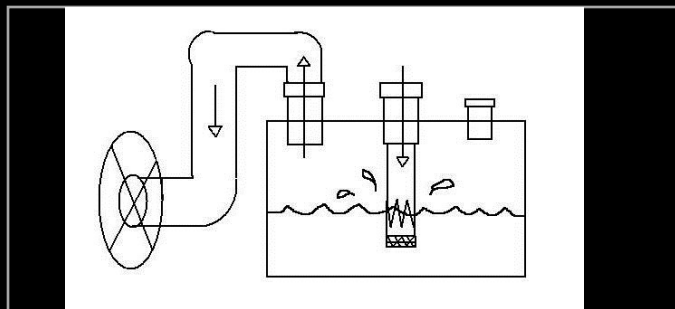
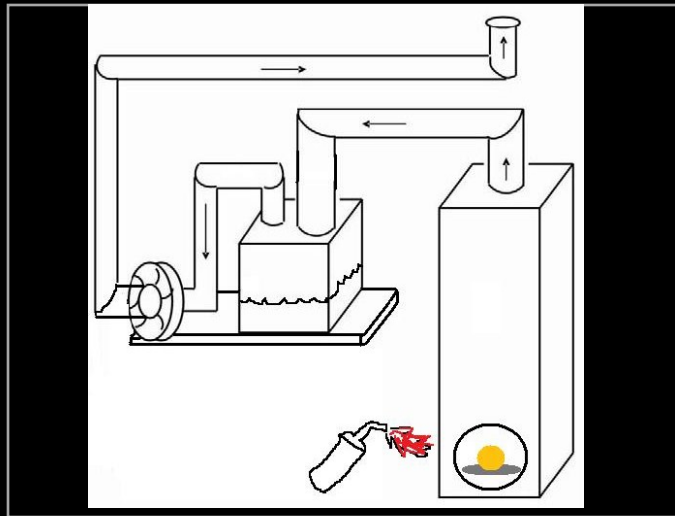
Mercury-Gold  
Amalgam  
(approx Au: Hg =  
1: 1.4)





# FUME HOOD .....

## The Water Trap Condenser

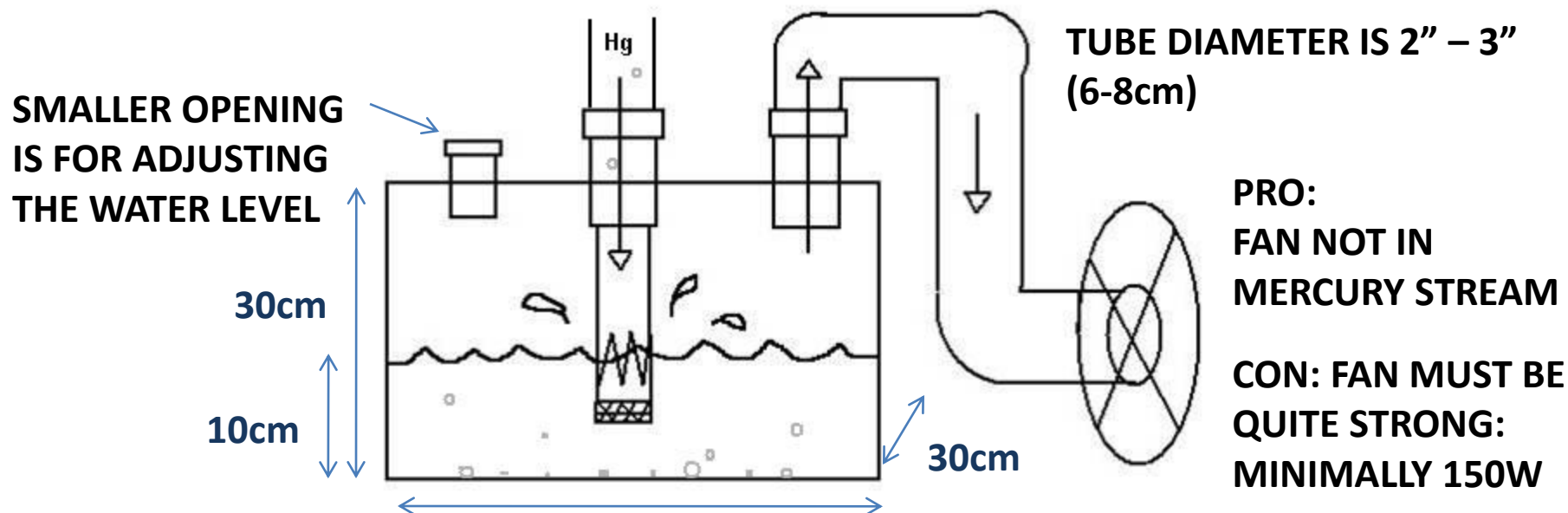


The design arose from the UNIDO Global Mercury Project, implemented in Kalimantan with the help of Yayasan Tambuhak Sinta (YTS), and direct involvement of local operators (*Courtesy of Artisanal Gold Council*)

# FUME HOOD .....

## THE TUPPERWARE FUMEHOOD *operating in "air sucking mode" - detail*

**APPROXIMATE  
DIMENSIONS SHOWN**



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\\_14437](https://www.yunbaogao.cn/report/index/report?reportId=5_14437)

