Results of Activity 4.2
Artisanal and Small-scale Mining

EGS – OAGS Workshop
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Relevance of the Topic

Artisanal and Small-scale Mining Around the World

For details, please see: "ASM Map Documentation.pdf"
Compiled by AJ Gunson/CASM
Relevance of the Topic

Estimates of numbers engaged in the ASM sector vary. They best estimate for Africa is 6-7 million men, women, and children and 35-50 million dependent on this sector for their livelihood.

Growth in ASM numbers is expected to continue in line with higher prices of commodities and increase in population.

People dependent on ASM for their livelihood are highly vulnerable. Life is difficult for the vast majority of people engaged in the ASM sector, where extreme poverty is a common condition.

ASM exists in many diverse settings and forms and, as such, is a complex sector marked by a shifting set of problems for which a one-size-fits-all approach is clearly not the answer.
ASM is recognized in the new Mining Laws and Mining Policies in African countries.

New Mining Laws in African countries have special types of licenses dedicated for ASM operators - Illegal to legal or informal to formal.

Assistance to ASM is integrated into actions for poverty reductions in rural areas.

ASM is recognized in a number of donor programs from World bank, CIDA, AusAid, DFID, AfDB, which contain ASM components.

African countries provide technical and financial assistance to ASM communities.

In some countries LSM are involved in programs for assistance to ASM.
<table>
<thead>
<tr>
<th>Country</th>
<th>Number of ASM operators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethiopia:</td>
<td>Estimated 1 million AM</td>
</tr>
<tr>
<td>DRC:</td>
<td>More than a million ASM</td>
</tr>
<tr>
<td>Tanzania:</td>
<td>700,000 to 800,000 ASM</td>
</tr>
<tr>
<td>Ivory Coast</td>
<td>More than 500,000 ASM</td>
</tr>
<tr>
<td>Niger:</td>
<td>Estimated 400,000 ASM</td>
</tr>
<tr>
<td>Zimbabwe:</td>
<td>Estimated 250,000 ASM</td>
</tr>
<tr>
<td>Nigeria:</td>
<td>200,000 to 250,000 ASM</td>
</tr>
<tr>
<td>Mozambique:</td>
<td>150,000 to 200,000 ASM</td>
</tr>
<tr>
<td>Zambia:</td>
<td>Estimated 150,000 ASM</td>
</tr>
<tr>
<td>Uganda:</td>
<td>Estimated 150,000 ASM</td>
</tr>
<tr>
<td>Malawi:</td>
<td>Estimated 150,000 ASM</td>
</tr>
</tbody>
</table>

**Best total estimate for Africa is 6-7 million ASM operators with 35-50 million dependent**
Relevance of the Topic
ASM in Mozambique
Relevance of the Topic
ASM in Ethiopia
Relevance of the Topic
ASM in Nigeria
Relevance of the Topic
ASM in Ivory Coast
Relevance of the Topic
ASM in Ivory Coast
Chemical use (cyanide and strong acids)

a) and (b) Inventories of chemicals used (c) and (d) leach cyanidation unit fitted in the bush
Relevance of the Topic
ASM in Ivory Coast
Outdoor laboratories in forest

a) leachate collection tank (b) chemical preparation Drums (c) Fosses leachate (d) U tubes for oxidation of leachate
Relevance of the Topic
What could be the role of an OAGS member

- Where are the dyke?
  Structural geological assistance

- Assist mining authorities in appointing special licenses area for ASM operators
- Assist mining authorities in conflicts between LSM and ASM
- Assist environmental and health authorities e.i. lead poisoning, (Zamfala in Nigeria, Kabwa in Zambia, Lupa in Tanzania etc.)
Main results of the Questionnaires' Recommendations

Based on the response in the questionnaires a number of recommendations can be given:

- The OAGS members should be more involved in training of the ASM especially in simple prospecting and geological knowledge of minerals as well as evaluation of gemstone.

- There is a need for general training of trainers in issues related to ASM meaning staff in the OAGS members together with, national mining authority and national environmental authorities.

- The OAGS members could be more involved in development of in the mining processes used by the ASM operators with the aim of improving the outcome and through this reducing poverty.

- The issue of case study areas should be considered to be beneficial for more than one country In this part,
Main results of the Questionnaires' Recommendations 2

Additional recommendations:

- A need for regional workshops to share lessons learned in relation to ASM and discussions of ways forward.

- A need for development of guidelines for best practice related to ASM.

- A need for development of guidelines for formalization of ASM operators – how to move from ASM operators to SME.

- A need for development of guidelines for extension services
Thank you for your attention