

CCOP-GSJ/AIST-GAI CASM-Asia Workshop on the State-of-the-Art of Science and Technology to Protect the Environment and People

Date: November 27-29, 2006

Venue: Parahyangan Room, Hotel Horizon, Bandung, Indonesia

Sponsors: CCOP, World Bank, Geological Survey of Japan, AIST, Geological Agency Indonesia

CASM-Asia will hold a workshop at Bandung, Indonesia from November 27 to 29, 2006, in order to find directions and actions for issues in artisanal/small-scale mining. This workshop will focus on technological issues of small-scale mining. A dialogue with small-scale miners to understand their modus operandi and to assist them in improving the technical, safety and health aspects of their small-scale mining operations will also be organized in conjunction with the workshop. The workshop and the dialogue will give participants information and knowledge on how to envisage and navigate their study and activity towards sustainable development and human security in terms of artisanal/small-scale mining.

Programme

(November 26, Sunday)

Arrival of participants

18:30–20:30 Ice Breaking Dinner at Poolside Horison Hotel

Day 1 (November 27, Monday)

08:30-09:00 Registration

09:00-09:30 Opening Remarks:

Mr. Chen Shick Pei, Director, CCOP Technical Secretariat

Mr. Bambang Dwiyanto, Permanent Representative of Indonesia to CCOP
Head, Geological Agency, Ministry of Energy and Mineral Resources (MEMR)

09:30-09:45 Group photo

09:45-10:00 Coffee Break

10:00-12:00 ASM database and technological issues (15-minute presentation by each participant; facilitated by Professor Mihir Deb; advised by Dr. Lars Weitkaemper)

12:00-13:30 Lunch

13:30-14:00 Latest understanding of epithermal gold mineralization (Prof Mihir Deb)

14:00-15:00 New Understanding of Clay Minerals (Dr Sang-Mo Koh)

15:00-15:30	Extraction of gold using halogen-containing organic system (Dr Hiroyasu Murakami)
15:30-16:00	Coffee Break
16:00-16:30	Environmental sampling for mercury study (Dr Baatar Tumenbayar)
16:30-17:00	Improving gold processing technique to reduce environmental and health consequences (Ms. Budi Susilorini)

Day 2 (November 28, Tuesday)

09:00-09:30	Cineam story and information (Geological Agency of Indonesia)
09:30-10:30	Design for sustainable development and human security at Cineam (presented and facilitated by Dr. Lars Weitkaemper)
10:30-10:45	Coffee Break
10:45-11:30	Introduction to PIXE analysis (Dr Koichiro Sera)
11:30-11:45	Application of PIXE to environmental studies (Dr Koichiro Sera)
11:45-12:00	Application of PIXE to mineral science (Dr Satoshi Murao)
12:00-12:30	Discussion on technology
12:30-14:00	Lunch
14:00-15:30	Sample preparation for PIXE analysis (Drs Sera and Murao)
15:30-16:00	Coffee Break
16:00-16:30	Discussion on PIXE manual and on the modus operandi of Environmental Analysis Support Programme
16:30-17:00	Review of ASM policy and legislation of the Asia-Pacific region (Mr Edmund Bugnosen)
17:00-17:30	Preparatory talk for the dialogue with miners (Sutrisno, M.Sc. and E. Bugnosen)

Day 3 (November 29, Wednesday)

Excursion - Dialogue and collaboration with miners to improve their technology. A guide and questionnaire will be prepared by Mr Edmund Bugnosen.

EXCURSION PROGRAM

06:30 – 10:30	Travel from Bandung to Cineam
10:30 – 11:00	KUD Mekar Jaya Office
11:00 – 12:30	Visiting the mining site
12:30 – 13:15	Return to Tasikmalaya City
13:15 – 14:15	Lunch
14:15 – 14:30	Travel to Rajapolah
14:30 – 15:00	Rest at Rajapolah Handycraft Center
15:00 -17:30	Travel back to Bandung

(November 30, Thursday)

Departure of participants

Materials to be distributed in the meeting

1. Water sampling manual for mercury study
2. PIXE manual for environmental specimens
3. Cineam information
4. Guide to questions to miners
5. Tectonic controls of geochemical evolution in arc magmatism of SE Asia
6. Styles of high-sulphidation gold, silver and copper mineralization in porphyry and epithermal environments
7. Gold grade distribution and estimation in narrow vein systems
8. A review of gold mineralization and processing in the southwest Pacific rim