

## **Economic and Social Commission for Asia and the Pacific Sixty-eighth session**

Bangkok, 17-23 May 2012

Item 3 (d) of the provisional agenda

**Review of issues pertinent to the subsidiary structure of  
the Commission, including the work of the ESCAP  
regional institutions: Environment and development**

### **Report of the Coordinating Committee for Geoscience Programmes in East and Southeast Asia\***

#### **Note by the secretariat**

The secretariat transmits to the Commission the report submitted by the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP) for information.

#### *Summary*

CCOP had successfully carried out most of its planned activities for the year 2011 focused on enhancing coordination of the geoscience programmes of the national geoscientific institutions of member countries, continued human resource development and institutional capacity building, greater flow of technical information between the member countries, cooperating countries and organizations of CCOP. Cooperating countries and organizations continued to provide technical support for activities contributing to sustainable geo-resources and environmentally sound development in the CCOP region. Member countries also provided in-kind support to CCOP work programmes to optimize the benefits of the support provided by the cooperating countries and organizations.

During the year, a total of 16 activities including seminars, workshops and meetings were organized and attended by 761 participants from the member countries. This comprises 13 activities in the geo-resources sector and 3 in the geo-environment sector.

In the Energy Programme of Geo-resources sector, the Cooperation Program for Enhancing Public Petroleum Management of the CCOP Member Countries (EPPM) supported by the Royal Norwegian Government was continued. This program incorporates 3 projects: (1) Petroleum Resource Management with a focus on Natural Gas; (2) Natural Gas Field Development and Environmental Issues (P2); and (3) Metadata on Natural Gas Resources of the CCOP Region (P3). The series of dedicated bilateral PETRAD seminars on specialized topics in the petroleum sector requested by CCOP Member Countries was implemented.

For the Geo-environment sector, CCOP-BGR-GAI Workshop on Landslides in Southeast Asia: Management of a prominent Geohazard was organized on 28 November to 1 December 2011 in Bandung, Indonesia funded by Federal Institute for Geosciences and Natural Resources (BGR), Germany and in cooperation with Geological Agency of Indonesia with 66 participants from CCOP member countries. In cooperation with the Department of Mineral Resources, Thailand and

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China Geological Survey, CCOP organized a seminar on Urban Geology and Geopark Management in Bangkok Thailand, in conjunction with field excursion during 9-14 March 2011. The seminar was attended by 118 participants from several Thai government agencies and universities.

For the Geo-information sector, CCOP continues to cooperate with the international project, OneGeology, <http://www.onegeology.org>. Geological maps of Indonesia, Japan, The Republic of Korea, Lao PDR, Malaysia, Philippines and Thailand have been registered to the project's portal, <http://portal.onegeology.org/>. In 2011, One Geology Steering Group had its meeting in Tokyo, Japan on 27 September to 1 October. At this meeting, the Steering Group decided that the Geological Survey of Japan be the coordinator for Asia. China Geological Survey continued offering its support for training of the usage of the CCOP Geoinformation Metadata System (CCOP-GIMS) which is accessible from this link: <http://www.ccop.or.th/metadata>. The East Asia Geoscience and Environmental Research (EAGER) Project continued, providing a grant for researches in Geoscience and Environment in East and Southeast Asia to candidates from the Member Country hosting the CCOP Annual Session. A new book, Geological Museums in East and Southeast Asia has been published in late 2011, a sequel to CCOP's book on geoheritage.

ESCAP and CCOP continued to maintain frequent consultations and close cooperation through conducting technical activities, mutual participation in major annual meetings, networking and exchange of publications.

## Introduction

The Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP) is an intergovernmental organization whose mission is to contribute significantly to the economic development and sustainable management of the environment and improvement of the quality of life of its Member Countries by the application of Earth science knowledge through outreach, cooperation and partnership, knowledge enhancement and training, and data information.

The CCOP "Coordinating Committee for Offshore Prospecting in Asia" was first established in 1966 under the auspices of ESCAP and the United Nations. CCOP became an independent intergovernmental organization in 1987. The name was changed in 1994 to Coordinating Committee for Coastal and Offshore Geoscience Programmes in East and Southeast Asia. In 2001, CCOP has reviewed and redefined its programmes and activities accompanied by a name-change to Coordinating Committee for Geoscience Programmes in East and Southeast Asia. In 2010, a new strategic plan has been formulated with the focus on the following:

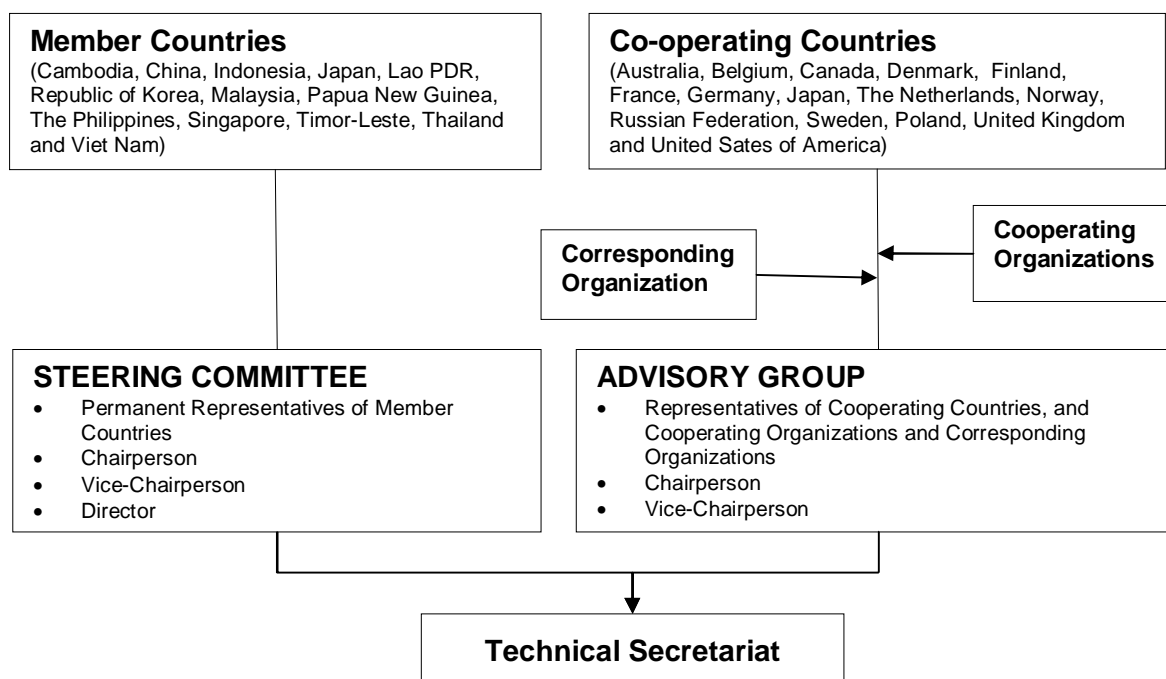
- ❑ **Outreach** - to enhance influence with decision makers, investors and the public through the provision of relevant Earth science information and to develop appropriate skills for communicating effectively with CCOP stakeholders.
- ❑ **Cooperation and Partnership** - to enhance the internal and external partnerships to improve the quality, reach application and impact of our Earth science information and knowledge.
- ❑ **Knowledge Enhancement and Sharing** - to manage, promote, share and exploit the region's Earth science information and skills.
- ❑ **Data and Information** - to advance sharing of data and information and integrate Earth science data across national boundaries.

With these focus, CCOP's action plan are targeted under the following programmes for the achievement of CCOP's strategic objectives:

1. Extractive Industries Development of East and Southeast Asia.
2. Water Resources Management in East and Southeast Asia.
3. New Energy Resources Development of East and Southeast Asia.
4. Geological Sensitive Areas in S & SE Asia
5. Coastal Environment Management Strategy of the Asia Region
6. Geoscience Information system in Asia
7. Geo-Conservation
8. Strengthening the Role and Function of CCOP

CCOP has 13 member countries; Cambodia, China, Indonesia, Japan, Lao PDR, Malaysia, Papua New Guinea, The Philippines, The Republic of Korea, Singapore, Timor-Leste, Thailand and Viet Nam. CCOP is being supported by 15 cooperating countries and 13 international organizations. The CCOP Technical Secretariat is responsible for the coordination of all activities carried out by CCOP, headed by a Director, who reports to the CCOP Steering Committee consisting of one permanent representative from each member country. The Headquarters of the CCOP Technical Secretariat is located in Bangkok, Thailand. CCOP's operational organization chart is illustrated in figure 1.

**Figure 1. Operational Organization Chart of CCOP**



## I. Technical Activities

In 2011, there were 16 activities organized by CCOP, attended by 761 participants from Member Countries (Table 1).

**Table 1. Summary of CCOP Member Countries' Participation in Technical Activities**

Sector	No. of activities	No. of participants
Geo-resources	13(*7)	575 (*417)
Geo-environment	3	186
Geo-information	-	-
<b>TOTAL</b>	<b>16</b>	<b>761</b>

### 1. GEO-RESOURCES SECTOR

#### 1) CCOP-Norway Cooperation Program for Enhancing Public Petroleum Management of the CCOP Member Countries (EPPM Program)

The CCOP TS continues the implementation of the 4-year EPPM Program that is funded by the Royal Norwegian Government in the amount NOK15 Million. The program incorporates three (3) Projects:

- Petroleum Resource Management with a focus on Natural Gas (**P1**);
- Natural Gas Field Development and Environmental Issues (**P2**); and
- Metadata on Natural Gas Resources of the CCOP Region (**P3**).

During the reporting period, a total of four (4) capacity-building workshops supported by technical fieldworks and two (2) Meetings of **P1** case study countries, were conducted.

<i>Activity</i>	<i>Theme/Title</i>
<b>P3W5</b>	Workshop/training for Metadata encoder and data managers using the new CCOP GIMS, 17-19 January 2011, Kuala Lumpur, Malaysia
<b>P1</b>	Meeting of Case Study Countries, 20 February 2011, Chiang Mai
<b>P1W4</b>	North Sumatra – Mergui Basin Case Study: Seismic Stratigraphy and Petroleum play concepts, 21-25 Feb 2011, Chiang Mai, Thailand
<b>P2W6</b>	Workshop on developing strategies for public awareness and acceptance of Carbon Capture and Storage (CCS), 7-9 June 2011, Bangkok
<b>P1</b>	Meeting 2: Case Study Data Review and Integration, 11 Oct 2011, Yogyakarta, Indonesia
<b>P1W5</b>	EPPM P1W5: North Sumatra – Mergui Basin Case Study: Workshop on Petroleum Play and Prospect analysis, Yogyakarta, Indonesia, 12-14 October 2011

## 2) CCOP/ASCOPE/PETRAD Programmes

PETRAD, the International Programme for Petroleum Management and Administration, Norway has been conducting tailor-made courses, workshops and seminars together with CCOP TS and CCOP Member Countries and ASCOPE Members. In 2011, 7 *PETRAD* seminars and workshops were organized with 417 participants, in cooperation with CCOP and ASCOPE.

- CCOP-PETRAD-PETRONAS-INTSOK Workshop on Deepwater Subsea Tie-Back, Kuching, Sarawak, Malaysia on 24-26 January 2011
- CCOP-PETRAD-PETROVIETNAM-VASI Workshop on Gas Hydrates, Halong Bay, Viet Nam on 1-3 March 2011
- PETRAD-CCOP-PETROVIETNAM and VIETSOVPETRO Seminar on Oil and Gas in Deepwater Areas, Da Lat, Viet Nam on 12-14 September 2011
- PERTAMINA - PETRAD - INTSOK – CCOP Workshop on Improved Oil Recovery through Drilling, Well Service and Integrated Operations, Jakarta, Indonesia during 3-4 October 2011
- PETRAD-ASCOPE-CCOP Workshop on Decommissioning Guidelines, Bangkok Thailand, 20-21 October 2011
- SINOPEC-MLR-CGS-PETRAD-CCOP Seminar on Government and Public Relations, Xiamen, China, 5-8 December 2011
- MLR-CCOP-ASCOPE Seminar on Development of Management and Technology of New Energy organized and in cooperation with PETRAD, Kunming, China, 12-15 December 2011

## 2. GEO-ENVIRONMENT SECTOR

### 1) CCOP-BGR-GAI Workshop on Landslides in Southeast Asia: Management of a prominent Geohazard

The workshop was organized by CCOP by the cooperation of Federal Institute for Geosciences and Natural Resources (BGR), Germany and Geological Agency of Indonesia at Bandung during 28 November to 1 December 2011, and attended by 66 participants from the member countries. Prior to the workshop, In-House Training on using remote sensing for landslide susceptibility assessment was organized at GAI office.

### 2) Seminar on Urban Geology and Geo-park Management

CCOP TS in cooperation with Department of Mineral Resources, Thailand and China Geological Survey (CGS) organized seminar on Urban Geology and Geo-park Management at Bangkok Thailand followed by field excursion during 9-14 March 2011. The seminar was attended by 118 participants from several Thai government agencies and universities.

### **3. GEO-INFORMATION SECTOR**

#### **1) OneGeology-CCOP**

The OneGeology Project is an international initiative of the geological surveys of the world led by the British Geological Survey (BGS) and a flagship project of the 'International Year of Planet Earth'. Its aim is to create dynamic geological map data of the world available via the web. CCOP has been participating this project, and to date, CCOP's 1:2M Geologic Map of East and Southeast Asia and the 1:1M Geologic Maps of Indonesia, Japan, The Republic of Korea, Laos, Malaysia, Philippines and Thailand have been made available and accessible through the project portal, <http://portal.onegeology.org/>.

#### **2) CCOP Metadata Phase II**

The CCOP Metadata Project Phase II is aimed to develop a comprehensive CCOP Metadata Standard for Geoscience in conformity with ISO19115 International Metadata Standard. Under this project CGS, the project's funding agency developed a web-based CCOP Geoinformation Metadata System (CCOP-GIMS) accessible from this link, <http://www.ccop.or.th/metadata>. CGS continues offering its support for GIMS training for Member Countries when required.

### **4. FELLOWSHIPS AND GRANTS**

#### **1) East Asia Geoscience and Environmental Research (EAGER) Project**

The EAGER Project is a trust fund set up in the Geological Society of America with personal contribution of Dr. Maurice "Ric" Terman, CCOP Honorary Advisor, to be used for funding research in geoscience in the region. Under the programme, a grant will be made available for research on Geoscience and Environment in East and Southeast Asia to candidates from the Member Country hosting the CCOP Annual Session since 2003.

## **II. New Initiative**

### **Enhancing Climate Change Adaptation in Southeast Asia**

The Southeast Asia Disaster Prevention Research Institute, Universiti Kebangsaan Malaysia (SEADPRI-UKM) had developed a project proposal on "Enhancing Climate Change Adaptation in Southeast Asia". The objectives of this project are to develop an action plan on climate change adaptation that draws on the Insights from national and sub-national levels through pilot initiatives, and setting up a process to implement the action plan on a sustained basis.

## **III. Publications**

Ten printed and CDROM publications were produced during the reporting period. A new book, Geological Museums in East and Southeast Asia has been published in late 2011, a sequel to CCOP's book on geoheritage. The workshop and seminar reports and proceedings of the EPPM Program were published on the CCOP website.

#### **IV. Cooperation with ESCAP**

ESCAP and CCOP continued to maintain frequent consultations and close cooperation through conducting technical activities, networking and exchange of publications. CCOP reports to the ESCAP Commission Sessions, takes part in the related technical meetings and participates in the Sub-Committee Meeting on Environment and Sustainable Development and ICT Committee Session.

#### **Acknowledgements**

CCOP would like to thank all the member countries, cooperating countries and organizations for their support. The generosity of the Royal Thai Government, through the Department of Mineral Resources, in providing the office premise for the CCOP Technical Secretariat, and facilitating its smooth and efficient operation is gratefully acknowledged.

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