



# CCOP

## EPPM Program

### Report 2010

**Simplicio P. Caluyong**

EPPM Program Coordinator

CCOP Technical Secretariat

November 2010

Annual EPPM Seminar (3)



Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia (CCOP)

# Contents

- ◆ EPPM Program profile
- ◆ 3 Technical Projects- capacity building activities
- ◆ Accomplishments
- ◆ Way forward



# EPPM Program

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

- The goal is to create the highest possible value for society from petroleum resources in order to improve the quality of life of the people in the CCOP Member Countries.



# EPPM Program

- ◆ Agreement between Norway & CCOP signed on 10 July 2008
- ◆ 4-year, **July 2008- June 2012**
- ◆ Budget: **NOK15 Million**
- ◆ Implementing agency: **CCOP TS**
- ◆ Cooperating agency: **NPD & PETRAD**
- ◆ Beneficiaries: **CCOP Member Countries**



Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia (CCOP)



# EPPM Program

## ◆ 3 Projects

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



# **EPPM Strategic Focus**

- ◆ **Natural Gas development & Environmental issues**
- ◆ **Practice of Knowledge Management**



# P1- Petroleum Resource Management with focus on Natural Gas

- ◆ **Objectives:** To enhance the capability and capacity of MC in assessment of the undiscovered petroleum resources with focus on natural gas
- ◆ **Implementation thru cross-border case study**
  - Supported by series of workshops, field works & trainings



# P1

## ◆ Cross-border Case study area: **North Sumatra – Mergui basin**

- Shared by Thailand,  
Malaysia &  
Indonesia





# P1



## **P2 - Natural Gas Field Development and Environmental Issues**

- ◆ **Objectives:** To enhance the capacity and capability of MC in natural gas development and clean development mechanism & environmental issues
- ◆ **Implementation:** series of 6 workshops
  - Natural gas development technologies
  - Case study of SINOPEC's Puguang gas field (Sichuan basin)- high H<sub>2</sub>S & CO<sub>2</sub>





# **P2 - Natural Gas Field Development and Environmental Issues**

- **CO<sub>2</sub>- alternative use, IOR & EOR technologies, Gas hydrates**
- **Carbon Capture & Storage, CCS (into geological reservoir),**
  - **Legal framework, HSE in CCS, Gas flaring**
  - **Clean Development Mechanism**
- **CCS potential reservoir**
  - **geological risks, selection criteria, technologies for assessment & monitoring**
- **Strategies for Public acceptance of CCS**
  - **Case studies & lessons learned**



# EPPM P2

◆ Availing of world-class expertise through the PETRAD networks



**Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia (CCOP)**



# P3 - Metadata on Natural Gas Resources in the CCOP Region

- ◆ **Objectives:** To set up an easily accessible metadata on natural gas resources of the CCOP Countries for knowledge sharing & preservation on natural gas resource exploration, exploitation and environmental impact mitigation



# **P3 - Metadata on Natural Gas Resources in the CCOP Region**

## ◆ **Implementation**

### – Series of workshops on

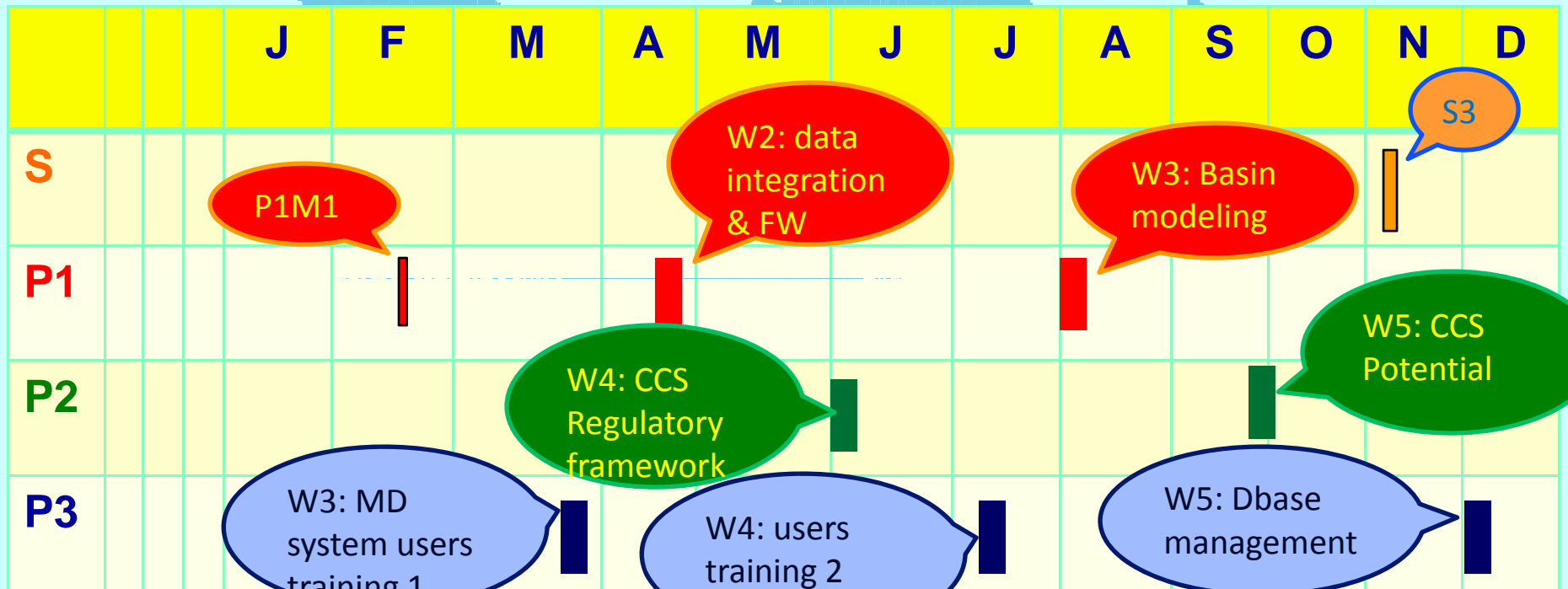
- ☞ Requirements Analysis, metadata contents & definitions referring to international standard(s)
- ☞ Database structure design & software development
- ☞ Developing capacities for software usage
- ☞ Population & validation of data base

## ◆ **Collaboration** with existing metadata work group in CCOP

## ◆ **Data Manager for every Member Country**



# Work plan for 2010

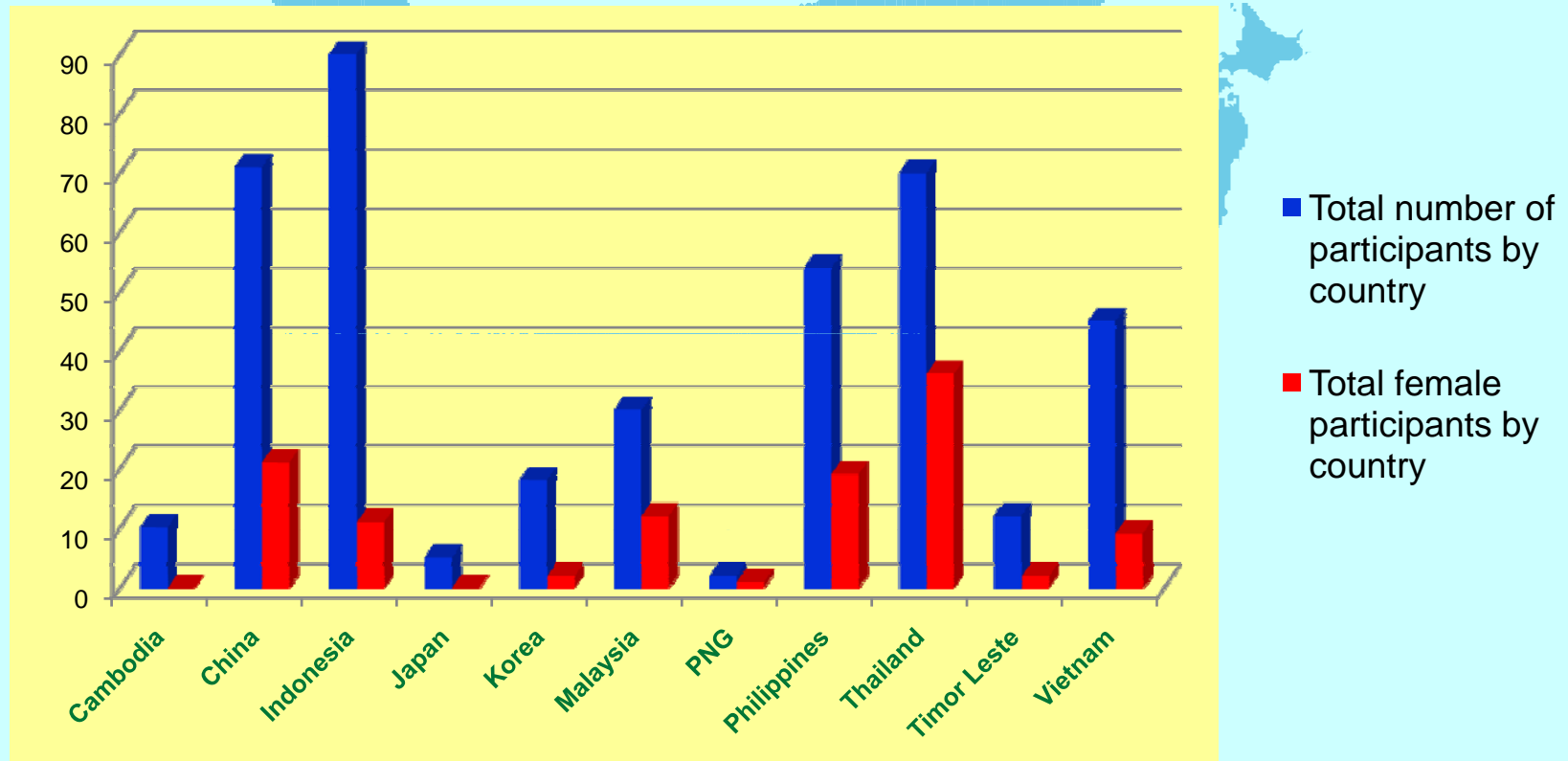


## S- EPPM Seminar 3



Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia (CCOP)

# Participation in EPPM



- ◆ **453 participants**, as of end September 2010
- ◆ **~30%** female participants
- ◆ **More than 60%** with management positions



Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia (CCOP)

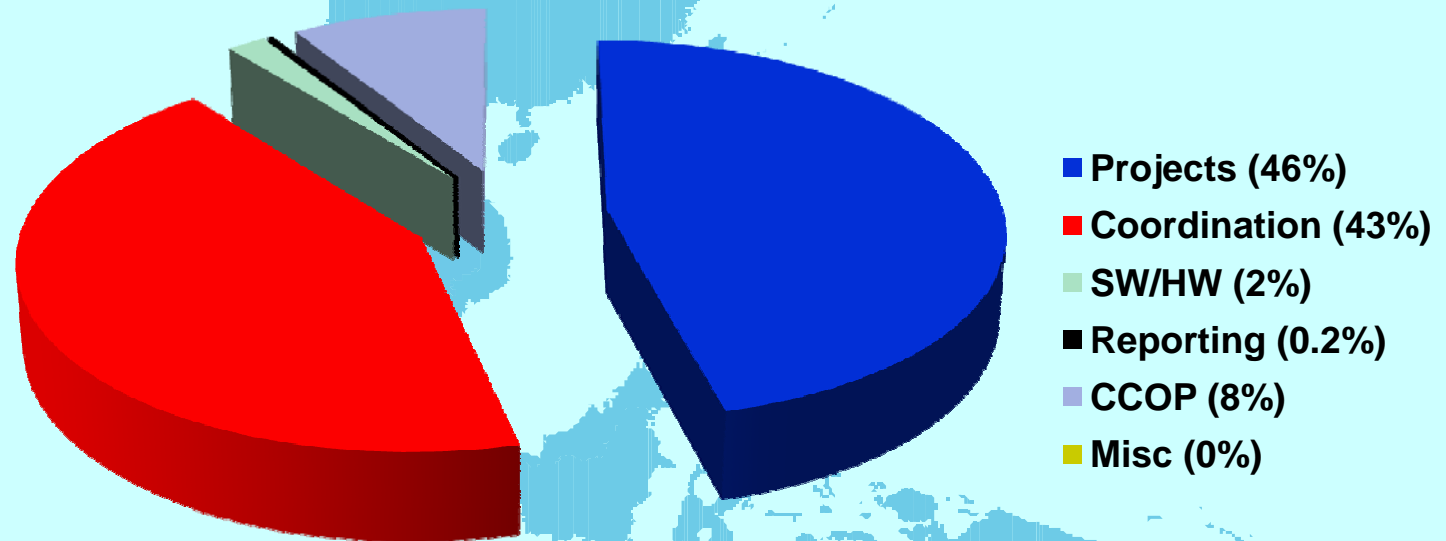


# Budget & Expenses

## Budget



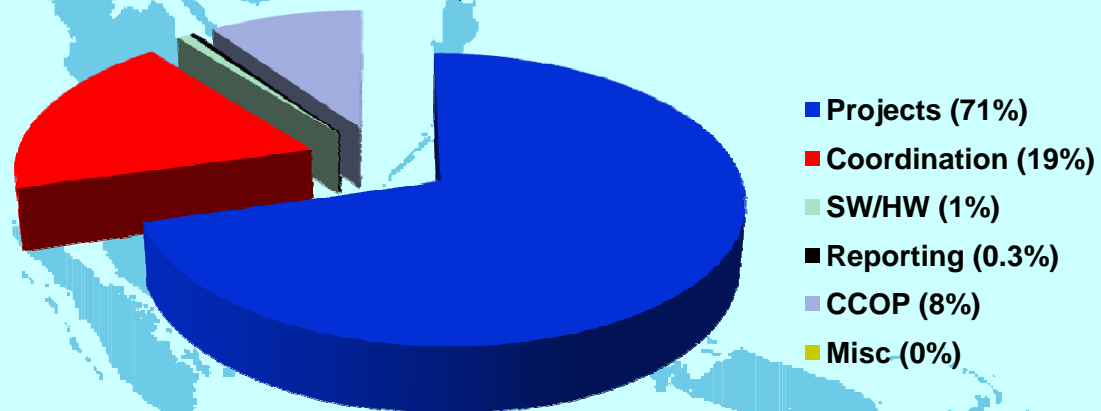
## Expenses



# Income & Expenditure (USD)

## 1 Jan – 30 Sep 2010

- ◆ Opening Balance: 132,941
- ◆ Income: 782,885
- ◆ Expenditures: (443,170)
- ◆ Cash Balance: 472,656



# Impact of EPPM

- **Enhanced the cooperation of Member Countries**
  - In-kind support: availability of local experts & willingness to host the technical activities
- **Formation of working groups to follow the technical activities**
  - Knowledge learned are disseminated through reporting and conduct of seminars in the participant's respective organization
- **Adoption of some concepts learned in basin assessment and exploration promotions**



# Impact of EPPM

## ➤ Greater awareness

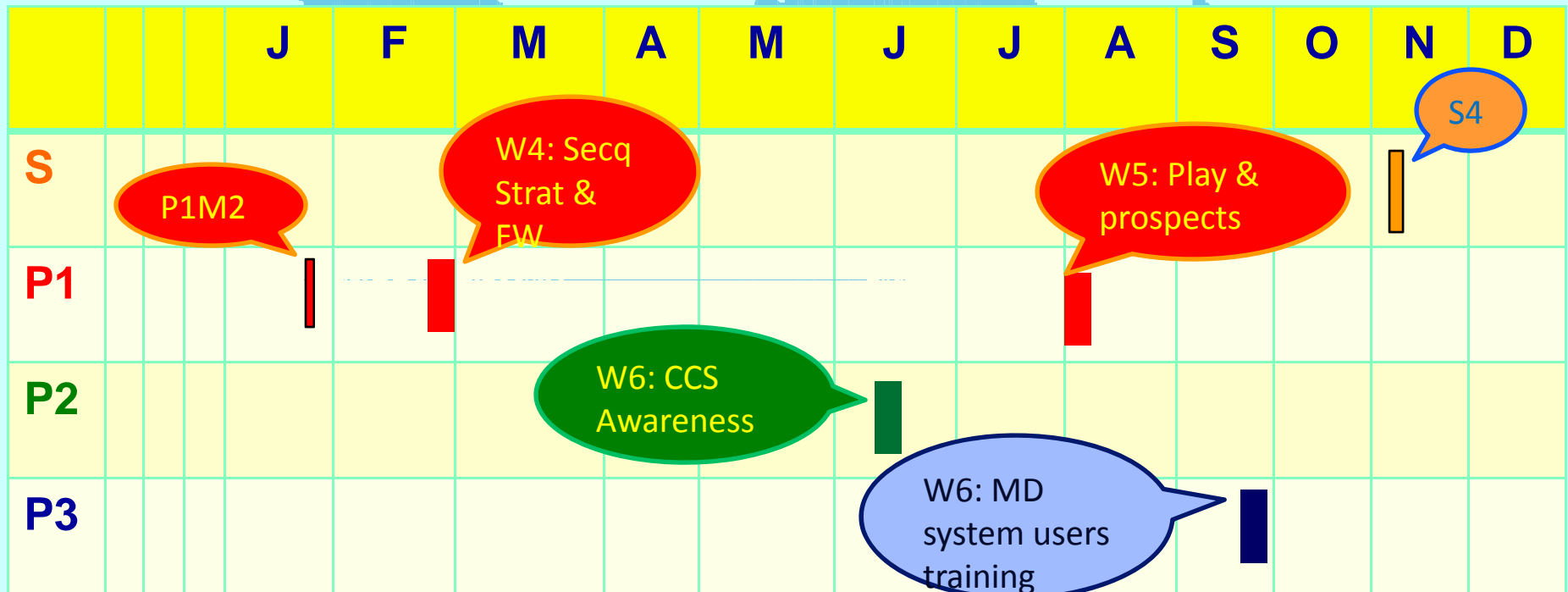
- Impact of GHG to climate change & about CCS as one of the solutions for mitigations
- Importance of data management to support research, regulatory functions, new initiatives, etc

## ➤ Easier facilitation of new projects in the CCOP TS





# Work plan for 2011



**S**- EPPM Seminar 4

**P3** – follow up user’s training in 1<sup>st</sup> half 2011



# **S3: Seminar**

**11-12 Nov, Bangkok**

**Expected Output from the Seminar:**

- ◆ **Impact of the EPPM Program- a discussion on ways to improve the current networking with an aim of improving the sharing of knowledge and resources to benefit the Member Countries**
- ◆ **Enhanced knowledge about GHG, global climate change & the role of geosciences to address the challenges**
- ◆ **A concept for the future CCOP program after EPPM with inputs from the Member Countries- according to their needs**



**Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia (CCOP)**

# http://www.ccop.or.th/eppm

← → ↻ ☆ http://www2.ccop.or.th/eppm/index.php



Home Projects ▾ Contact Us ▾ Gallery News & Events Calendar Publications

## Welcome to the EPPM Program homepage

type your keywords Search

Aug 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

[More...](#)

Here you will find the latest information about the CCOP - Norway Program for Enhancing Public Petroleum Management of the CCOP Member Countries (EPPM Program), the 3 Projects under the EPPM Program, the capacity building case studies and workshops under each Project, dissemination seminars, information about the recently conducted Workshops as well as of past Workshops/Seminars, upcoming events, and discussion forum with information on who is online.

The EPPM Program is a 4-year program commencing in July 2008 and is funded by the Norwegian Government to benefit the CCOP Member Countries. The goal is to create the highest possible value for society from petroleum resources in order to improve the quality of life of the people in the CCOP Member Countries. For the implementation of the technical activities, CCOP partnered with the Norwegian International Programme for Petroleum Management and Administration (PETRAD) and Norwegian Petroleum Directorate (NPD).

### Recent Publication

- [Proceedings of the 40th CCOP Annual Session \(Part II\)](#)
- [CCOP Newsletter Vol 32 No. 3/4 \(July - Dec 2007\)](#)

### Courtesy Visit to New Permanent Representative of Thailand to CCOP

July 20, 2010



On 14 June 2010, the CCOP TS Director, Prof Dr He Qingcheng, along with the three Sector Coordinators paid a courtesy visit to the new Director-General (DG) of the Department of Mineral Resources (DMR), Thailand, Mrs. Pornthip Pucharoen. She was officially installed as the new DG of DMR on 28 April 2010...



# THANK YOU!

**Simplicio P. Caluyong**  
**EPPM Coordinator**  
**[sim@ccop.or.th](mailto:sim@ccop.or.th)**



**Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia (CCOP)**