



CCOP

EPPM Program

Update

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**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**



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

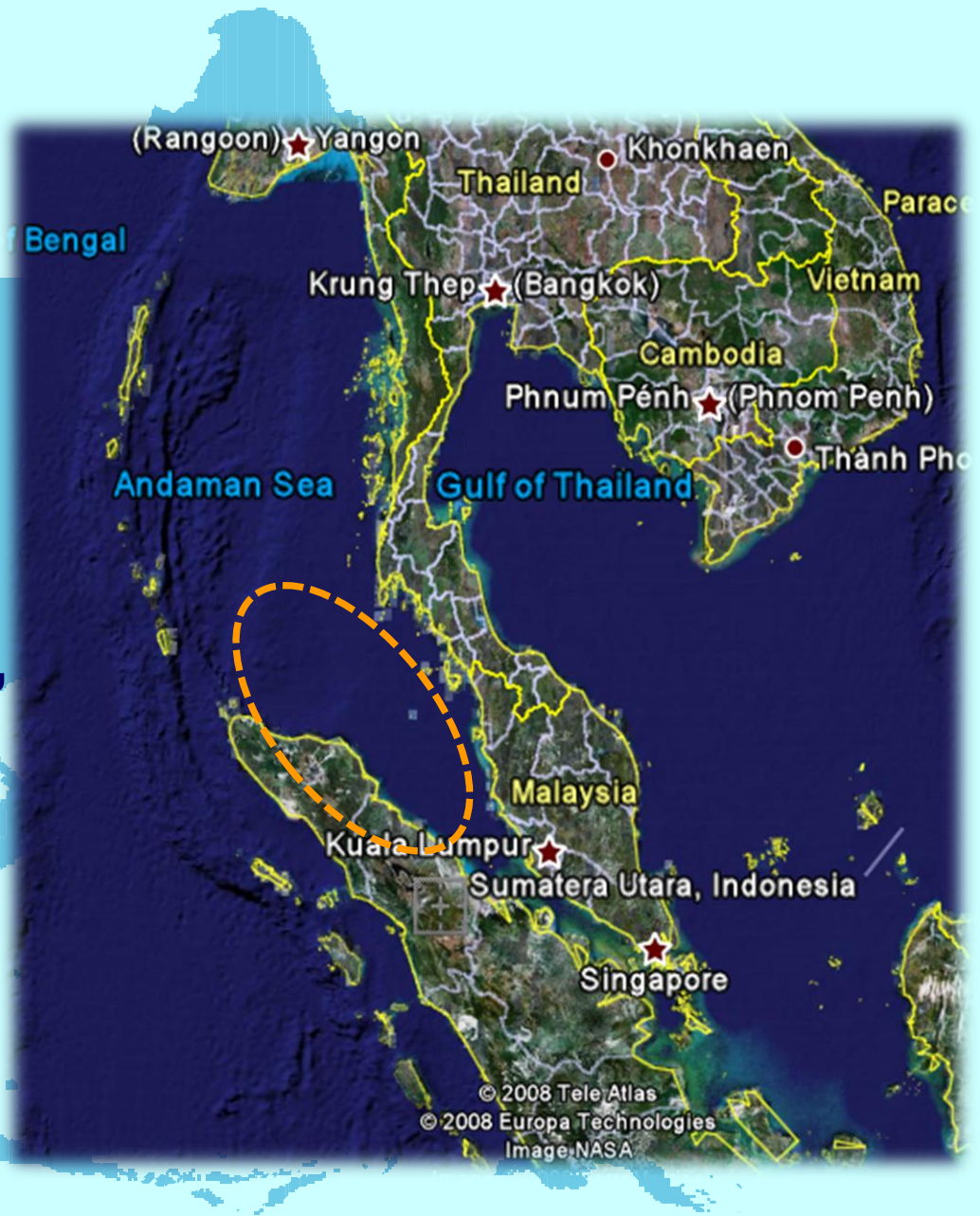
- ◆ **Objectives:** To enhance the capability and capacity of MC in assessment of the undiscovered petroleum resources with focus on natural gas
- ◆ **Implementation thru cross-border case study**
 - Supported by series of workshops, field works & trainings



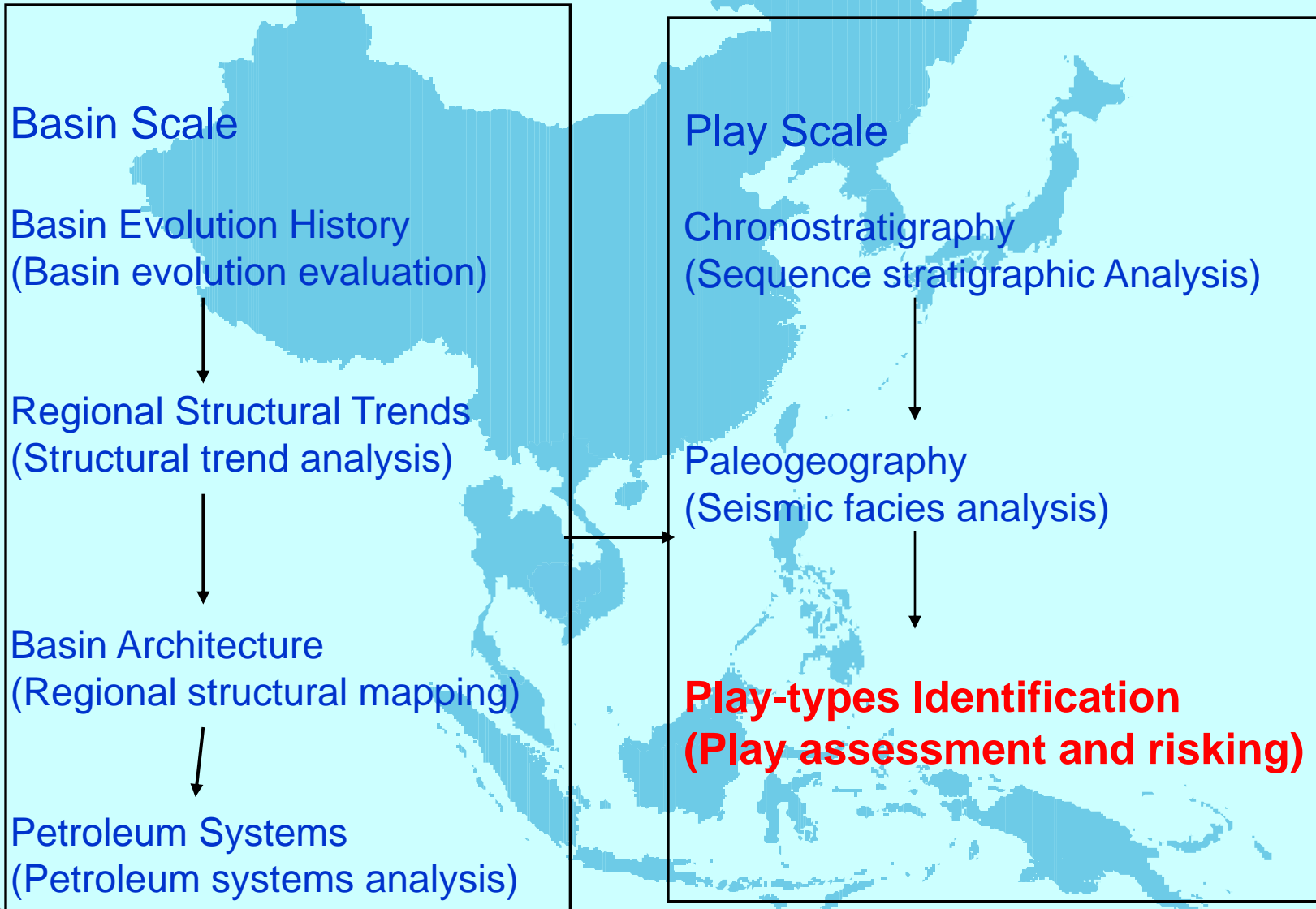
P1

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

- Shared by Thailand,
Malaysia &
Indonesia



EPPM P1 BASIN ANALYSIS WORKFLOW





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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 H₂S & CO₂



P2 -Natural Gas Field Development and Environmental Issues

- **CO₂- 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



Workshop

Technology is essential
but more than technology is required.

Key to high recovery factors

Management focus:

- Setting targets and monitoring progress
- Aggressive data acquisition programs
- Cooperation with partners and service providers
- Experience sharing across multidisciplinary team teams

... i.e., a systematic and continuous effort to identify, evaluate and implement IOR measures

ISOK

PETROVENIA

Project 2 Workshop
for EOR and
Energy Services
2009, Danang, Vietnam



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

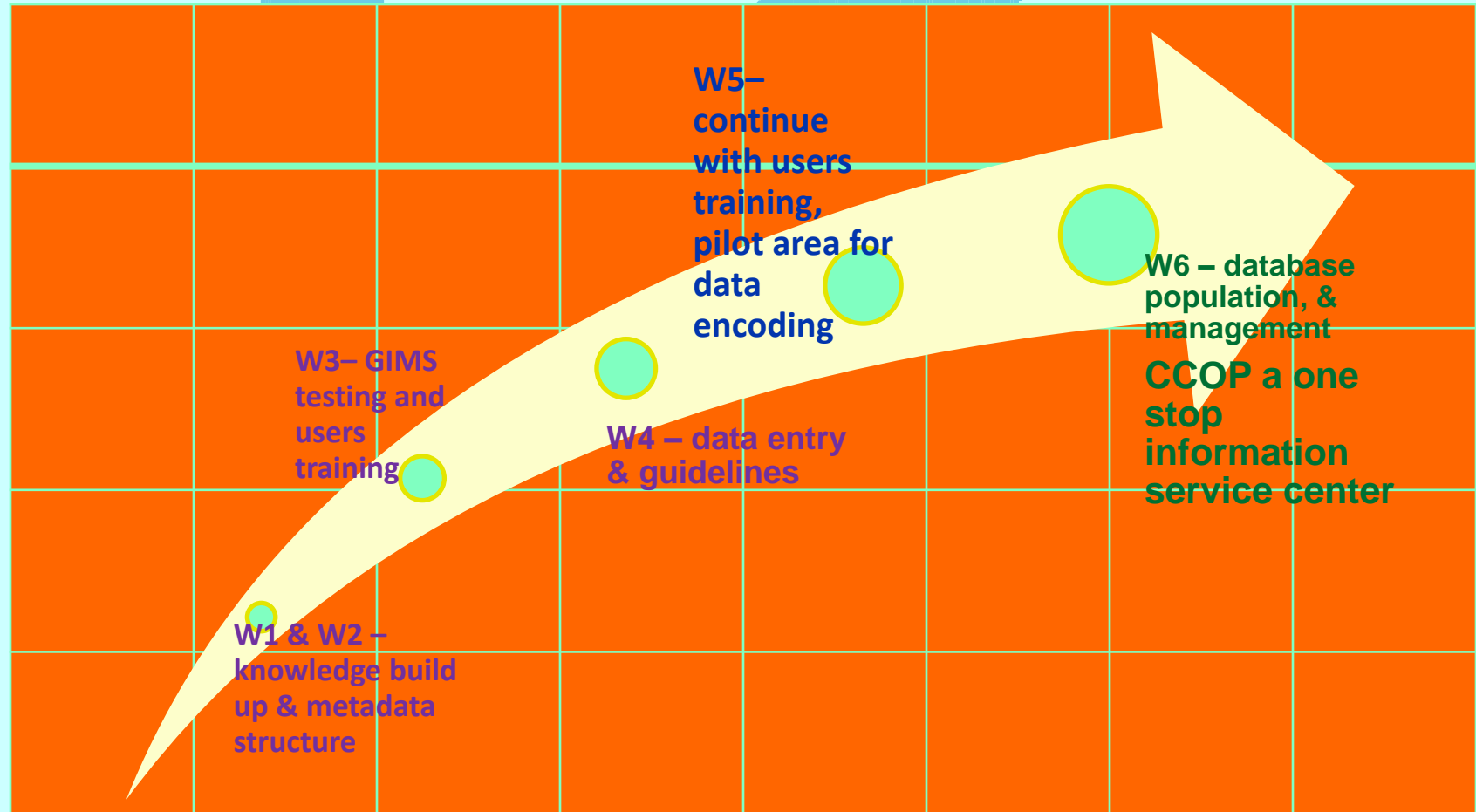
- ☞ Requirements Analysis, metadata contents & definitions referring to international standard(s)
- ☞ Database structure design & software development
- ☞ Developing capacities for software usage
- ☞ Population & validation of data base

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

◆ **Data Manager for every Member Country**



EPPM P3 Roadmap



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**



www.ccop.or.th/eppm/index.php

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E.P.P.M

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Welcome to the EPPM Program homepage

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 Projects, dissemination seminars, information about the recently conducted Workshops as well as of past Workshops/Seminars and upcoming events.

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).

CCOP - EPPM Program Activities for Y2012

January 05, 2012

[EPPM Program: Planned Activities for 2012](#)


[More...](#)

Recent Publication

- [Feasibility Study of Networking Petroleum Geoscience Institutions in East and SE Asia \(FS Project\)](#)
- [Proceedings of the 40th CCOP Annual Session \(Part II\)](#)
- [CCOP Newsletter Vol 32 No. 3/4 \(July - Dec 2007\)](#)

P1W5: North Sumatra - Mergui Basin Case Study: Petroleum Play and Prospect Analysis, Yogyakarta, Indonesia

October 21, 2011



P1W5 is the 5th workshop under Project 1 (P1), *Petroleum Resource Management with focus on Natural Gas* of the EPPM Program and organized by the CCOP Technical Secretariat with the cooperation of LEMIGAS and Geological Agency, Indonesia. The objective is to continue with the basin analysis of North Sumatra - Mergui basin (cross-border case study) in order to have a better understanding of the big geologic picture of the basin to enhance geological interpretations and predictions - translating into higher drilling success rates. P1W5 focused on



Plan for 2012

Activities	Jan-12	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CCOP-Norway Annual Mtg		8/BKK										
S4: UNFC		9-10/BKK										
P3- Training GIMS CA/LAO/TL/MYR			13-14/PHN									
P3W6			15-17/PHN									
P1W6					22-24/MY ?							
S5: Decommissioning						12-14/TH						
DS1: Gas Devt & CCS								12-14/IN				
DS2: P1 Case Study											13-15/MY	
FINAL REPORT												





THANK YOU!

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