

EPPM Program P1W3

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





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Contents



- **◆ EPPM Program profile**
- Accomplishments within Project 1 (P1), so far
- ♦ Way forward

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◆ 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.

GOOD GOVERNANCE

Capacity-building

- ◆ 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



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- ♦ 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

Outputs

- Trained and more knowledgeable professional staff in the MC
- Working Group and Expert Group formed
- Project Report
- Improved Natural gas database that is easily accessible
- Project website for information, reporting, knowledge sharing and preservation
- Networking and cooperation among MC is further strengthened

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



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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

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
- Collaborating with existing metadata work group in CCOP

P1W1: Workshop on the North Sumatra – Mergui Basin Cross Border Case Study, KRABI,

THAILAND 12-14 MAY 2009

- Common understanding of the case study basin
- Way forward building up of database for the case study
 - Basin analysis workflow process
 - Agreement on the deliverables
 - Regular consultation meeting of the case study countries
- ◆ 20 participants (from 9 MC)





P1M1- LEMIGAS, Jakarta





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P1M1 Highlights

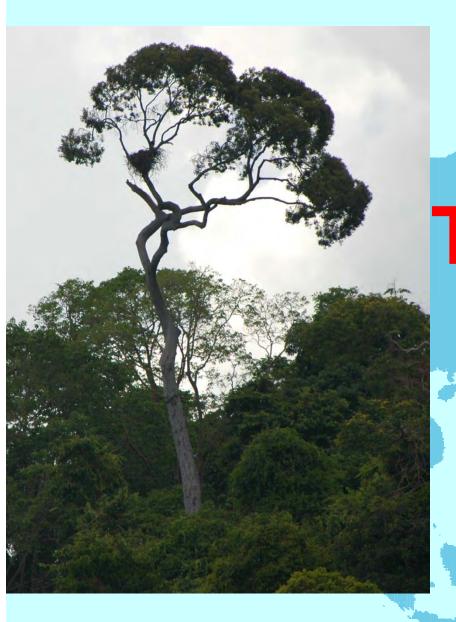
- ◆ Gravity data from the 3 countries will be used & integrated – to show the case study basin configuration
- In addition to the agreements in P1W1-Krabi, the group agreed on the scale
 - Maps 1: 500,000
 - Seismic sections 5cm/sec, vertical up to 6 sec.
- ◆ Additional data: seismic & well data
- Interpretation of the integrated data- will be a focus of discussions & workshop in sequence stratigraphy

P1W2



P1W3: Basin Modeling, Map Integration & Fractured Basement

- ◆ Objectives: To conduct the basin modeling of North Sumatra – Mergui basin in order to have a better understanding of the big geologic picture of the basin to enhance geological interpretations and predictions translating into a higher drilling success rates.
- ◆ A technical fieldwork is added in the agenda with focus in fractures & fractured basement



THANK YOU!

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