

CCOP – Norway Program Program for Enhancing Public Petroleum Management of the CCOP Member Countries (EPPM)

P1W1: Workshop on the North Sumatra – Mergui Basin Cross Border Case Study
KRABI, THAILAND 12-14 MAY 2009

Summary Report:



The workshop is the first activity under *Project 1 (P1), Petroleum Resource Management with a focus on Natural Gas* of the EPPM Program and aims to have a common understanding of the geology and tectonic setting of the case study basin. A total of 20 participants from China, Cambodia, Indonesia, Korea, Malaysia, Philippines, Papua New Guinea, Thailand and Vietnam attended the

workshop. Mr. Knut Henrik Jakobsson, Principal Engineer of the Norwegian Petroleum Directorate, also attended the workshop.

The distinguished guests during the opening ceremony were Khun Satien Sukontapongpaw (Deputy Director-General of the Department of Mineral Resources, Ministry of Mineral



Resources & Environment and Deputy Permanent Representative of Thailand to CCOP), Dr. Hee-Young Chun (Director of the CCOP Technical Secretariat) and Mr. Jakobsson. In their speeches, Khun Satien and Dr Chun, together reminded all the participants that while capacity building is the goal of the project, it is equally important that we should continue to find ways & means to enhanced the relationships among the Member Countries, sharing new knowledge and experiences in the areas of geoscience and effectively promote our science to various stakeholders in order to find the best solutions to the many challenges the region is currently facing.

The 3 case study hosts countries, Indonesia, Malaysia & Thailand made a technical presentation focusing on

1. Overview of the basin - geology & tectonic setting
2. Petroleum system- source rock, reservoir, play types, etc
3. Exploration & production activities
4. Legal framework – licensing system
5. What data & expertise area available for the study? (what your country can offer to the study?)
6. Possible challenges & solutions of the case study
7. Capacity building expectations the following

It is important to note in the presentations that while the Indonesian side of the basin is considered mature in terms of exploration and production, the exploration activities in the Malaysian & Thai portion of the basin have so far resulted only with oil & gas shows.

Mr. Jakobsson shared some of Norway's cross-border experiences from the North sea, focusing on the basis of cross-boundary petroleum cooperation. The presentation emphasized the common interests of the parties in ensuring good management and commercial development of their respective petroleum resources. The cooperations are also seen as facility to promote new projects and to further strengthen bilateral cooperation.

Discussions on how to move forward in the North Sumatra-Mergui basin case study have resulted with the following agreements:

1. Building up a database for the case study - The 3 case study hosts will identify data/information, expertise and resource persons that can be used for the case study. The rest of the participating countries will donate relevant data that can be use for the study. Digital copies of the data/information will be forwarded to CCOP TS & consolidated by the 2nd week of June 2009.
2. The Project will use the basin analysis workflow done in the ICB Project
3. Initially, Malaysia & Thailand have proposed the specific data to be used (Indonesia will submit in June 09)
 - a. Seismic
 - i. Malaysia – 88MS 107 & 142
 - ii. Thailand – DMR 95-150, 102, & 098
 - b. Well
 - i. Malaysia – Singa Besar -1 & Langgun Timur -1
 - ii. Thailand – W9 B-1 & Sikao -1
4. The following horizons will be mapped (to use the same color coding as the ICB Proj)
 - a. Sea bed
 - b. Top Upper Miocene
 - c. Miocene Unconformity
 - d. Top Syn-rift
 - e. Basement
5. Map scale & projections

- a. Scale to be decided later (during June 09 meeting) when the data & full area of the study is determined. Contour interval is dependent on the scale (area of study)
 - b. Metric- unit to use
 - c. WGS 1984 – projections to use
6. Deliverables
- a. Enhanced capacities of the Member Countries through workshops, trainings, fieldworks, etc
 - b. Technical Report, with the following enclosures
 - i. Map of all horizons-Time &Depth Structure Maps (5)
 - ii. Geothermal Gradient Map
 - iii. Well & seismic location and status
 - iv. Well Correlation
 - v. Seismic (well tying lines)
 - vi. Paleogeography map (facies map)
 - vii. Common risk map (optional)
 - viii. Structural cross section (3)
 - ix. Generalized Stratigraphic Column
 - x. Maturity map
- Note: additional enclosures may be included, if necessary.*
7. 1st Meeting (M1) of host countries at the TS in Bangkok on the 2nd week of June 2009
- a. To review & agree upon on the data /info to use
 - b. Finalize the W2 program
 - c. List of training needs for the host countries
 - d. Refine the basin analysis workflow



A 1 day field trip was organize to visit interesting geological areas around Krabi province.