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

*Project 1 (P1), Petroleum Resource Management with focus on Natural Gas*

**P1W3**: North Sumatra – Mergui Basin Case Study: Basin Modeling, Map Integration and Fractured Basement - 2-5 August 2010, Langkawi, Malaysia

A. 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 in Langkawi is added in the agenda with focus in fractured basement. These activities will be enabled by the knowledge of experts from the case study host countries (Indonesia, Malaysia, and Thailand), resource persons from Norway, and other CCOP Member Countries.

B. Workshop content:
   1. Opening Ceremony
   2. Technical Sessions
      a. Basin Modeling training/workshop to be led by Dr. Jamaal Hoesni
      b. Fractured Basement: mapping and fracture analysis
      c. Continue with data integration from the 3 host countries
      d. Group Discussion, consultation & presentations
   3. Field work in Langkawi focusing on Fractured Basement to be led by Prof. Dr. Lee Chai Peng
      a. *participants are required to bring appropriate hiking shoes, backpacks, cotton shirts/pants/shorts, hats, sun & insect lotions, camera and other field work tools*
   4. Evaluation, awarding of certificates and closing ceremony

C. Participants & resource persons
   1. Representatives from the CCOP Member Countries with geoscience background & are responsible for the management of national oil & gas resources will be invited to participate in the workshop. Also to be invited are representatives from ASCOPE, as well as academic institutions and research institutes that can benefit in the workshop.
   2. Resources persons from the case study countries (Indonesia, Malaysia & Thailand), from NPD & other CCOP Member Countries.

D. Date & Venue
   1. Date: 2-5 August 2010
   2. Langkawi, Malaysia

# Program

| Time | Activity | Responsible Person/Organization |
|---|---|---|
| ***Day 1: 2 Aug***<br>***0830*** | Registration | CCOP TS |
| ***0900*** | Opening Ceremony<br>o Welcoming Address<br>o CCOP Technical Secretariat<br>o Norwegian Petroleum Directorate (NPD)<br>o Opening Address<br>*Exchange of Tokens*<br>*Group Photo* | Mr. Simplicio P. Caluyong<br>*EPPM Program Coordinator*<br>*CCOP Technical Secretariat*<br>Mr. Knut Henrik Jakobsson<br>*Principal Engineer, NPD*<br>DATO' YUNUS ABDUL RAZAK<br>*Chairman, CCOP Steering Committee*<br>*Permanent Representative of Malaysia to CCOP*<br>*Director – General, Minerals & Geoscience Department of Malaysia* |
| ***0930*** | Coffee/tea | |
| ***1000*** | Introduction & Background of the Workshop<br>o Update on EPPM | Mr. Simplicio P. Caluyong |
| ***1030*** | Basin Modeling Course | Dr. Jamaal Hoesni<br>PETRONAS, Malaysia |
| ***1200*** | Lunch | |
| ***1300*** | Continue with Basin Modeling | Dr. Jamaal Hoesni |
| ***1500*** | Coffee/tea | |
| ***1520*** | Continue with Basin Modeling | Dr. Jamaal Hoesni |
| ***1630*** | Summary for Day 1 | EPPM Coordinator & Resource person |
| ***1930*** | Welcome Dinner (smart casual) | Hosted by PETRONAS |
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| ***Day 2: 3 Aug***<br>***0830*** | Basin Modeling: high resolution technique | DR. IN GUL HWANG<br>KIGAM, Korea |
| ***0915*** | Fractured Basement: fracture analysis & mapping | DR. TRINH XUAN CUONG VPI, PETROVIETNAM |

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|---|---|---|
| ***1000*** | Coffee/tea | |
| ***1020*** | Statoil's use of Basin Modeling, with case studies and lessons learned<br>o Norwegian Continental Shelf & other basins<br>o Use of the Schlumberger/IES PetroMod package | Mr. Arne Willy Forsberg<br>Leading Geologist, Petroleum Systems, GEX EMEA NV<br>Statoil ASA |
| ***1200*** | Lunch | |
| ***1300*** | Presentation by Cross-border case study Countries on the work done | Thailand, Malaysia, & Thailand |
| ***1500*** | Coffee/tea | |
| ***1520*** | Continue with data integration | All Participants |
| ***1630*** | Summary for Day 2 | |
| | | |
| ***Day 3: 4 Aug***<br>***0830*** | Continue with data Integration work | All Participants |
| ***1000*** | Coffee /tea | |
| ***1020*** | Continue with data Integration work | All Participants |
| ***1200*** | Lunch | |
| ***1300*** | Wrap up of Integration work and discuss/planning for next workshop (P1W4) | All Participants |
| ***1500*** | Coffee/tea | |
| ***1520*** | Workshop summary<br>o Way forward<br>o Presentation of Field work<br>o Evaluation<br>o Distribution of certificates | EPPM Coordinator & NPD |
| ***1600*** | Closing Ceremony | |
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| ***Day 4: 5 Aug***<br>***0800- 1600*** | Field work in Langkawi Island: Focusing in Fractured Basement | Prof. Dr. Lee Chai Peng<br>University of Malaya |
| ***1900*** | Farewell Dinner (smart casual) | Hosted by CCOP TS |
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