

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

P1W2: North Sumatra – Mergui Basin Case Study: Basin Analysis & Technical Fieldwork - Medan , Parapat & Bahorok (Indonesia), 27-30 April 2010

A. Objectives:

- To conduct the basin analysis of North Sumatra – Mergui basin in order to have a better understanding of the big geologic picture- with better geological interpretations and predictions, translating into a higher drilling success rates. A technical fieldwork is added in the agenda with stops in various locations of outcrops - basement, source and reservoir rocks in North Sumatra. 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 and Cooperating Countries.

B. Workshop content:

1. Opening Ceremony
2. Technical Sessions
 - a. Data integration & basin analysis **(1.5 days)**
 - i. Introduction, Background and update of the EPPM Program & P1 activities
 - ii. Basin analysis workflow review
 - iii. Basin evolution and regional structural trends
 - iv. Data integration and analysis
 - v. Sequence stratigraphy training/workshop
 - b. Group Discussion, consultation & presentations
3. Field work in Parapat & Bahorok **(2.5 days)**
 - a. Stops at outcrops of basement, source, reservoir and other rock formations relevant to the case study (*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: 27-30 April 2010
2. Parapat & vicinities, Bahorok, Medan City (Indonesia)

Time	Activity	Responsible Person/Org.
Day 0, 26 April	Arrival of participants in Medan & travel to Parapat. Check in at Hotel Inna Parapat.	LEMIGAS
Day 1, 27 April 0830 0900	(Parapat) Registration Opening Ceremony <ul style="list-style-type: none"> • Welcoming Address <ul style="list-style-type: none"> ○ CCOP Technical Secretariat ○ Norwegian Petroleum Directorate ○ LEMIGAS • Opening Address Exchange of Tokens Group Photo	CCOP TS EPPM Program Coordinator NPD Coordinator Head of LEMIGAS (representative) Deputy Permanent Representative of Indonesia to CCOP
0930	Coffee break/Tea	
1000	Introduction & background of P1W2 <ul style="list-style-type: none"> ○ Update on EPPM ○ Status of Project 1 (P1) – North Sumatra-Mergui Basin case study 	EPPM Program Coordinator
1040	Status of Oil & Gas exploration and production in Indonesia	Indonesia
1110	North Sumatra Basin: <i>Its Evolution and Sedimentation Development</i>	Dr. Alit Ngakan Ascaria (tbc)
1200	Lunch break	
1330	Basin analysis concept, basin formation synthesis, & tools for modeling	NPD
1415	Basin analysis: the Norwegian Continental Shelf experience <ul style="list-style-type: none"> ○ Work flow & Best practices 	NPD
1500	Coffee/Tea	
1530	North Sumatra- Mergui basin: Data Integration &	Mr. Robert Wong (PETRONAS)

	sequence stratigraphy	& case study team
1600	Sequence stratigraphy exercise	
1700	End of day 1: summary	EPPM Program Coordinator
1830	Welcome Dinner	Indonesia Attire: smart casual
Day 2, 28 April		
0830	Chairman's order of the day	EPPM Program Coordinator
0840	Continue with Sequence Stratigraphy exercise & workshop	Mr. Robert Wong (PETRONAS) & case study team
1000	Coffee/tea	
1020	Continue with Sequence Stratigraphy exercise & workshop Discussions & presentations	All Participants
1200	Lunch	
1330	Field work program presentation <ul style="list-style-type: none"> o Fieldwork & guide will be distributed to all participants 	EPPM Program Coordinator & Fieldwork master (LEMIGAS)
1400	Workshop summary & Way Forward Workshop Evaluation Awarding of Tokens of appreciation Awarding of Certificates Closing Ceremony Coffee/ Tea	EPPM Program Coordinator & NPD
1530	Field Work : Visit Samosir Island at Tomok	EPPM Program Coordinator & Fieldwork master (LEMIGAS)
1800	End of Day 2	
1900- 2100	Special meeting of case study host countries (Indonesia, Malaysia & Thailand) together with NPD & CCOP TS	CCOP TS
Day 3, 29 April		
07-08.30	Breakfast & Check-out	
08.30 - 1700	Depart to Bahorok for Geological fieldwork, stop for lunch at Medan.	EPPM Program Coordinator & Fieldwork master (LEMIGAS)

	Field Work: Parapat & Vicinity with stops at outcrops of basement, reservoir, and other relevant rocks important for the case study.	
	Check in at Hotel Rindu Alam, Bahorok	All participants
1830	Farewell Dinner in Hotel Rindu Alam Bahorok	Hosted by CCOP TS (Smart Casual)
Day 4, 30 April		
0630	Breakfast	
0700	Continue with geological fieldwork & visit to the Orang-utan reservation at Gunung Leuser National Park	EPPM Program Coordinator & Fieldwork master (LEMIGAS)
1200	Lunch & Check out at Hotel Rindu Alam	
1330	Back to Medan	All participants
	Check in at Hotel Aston, Medan	All participants
1 May 2010	Departure of Participants	