



CCOP – KIGAM Unconventional Oil and Gas Resources Project:

Mapping of Black Shale Formations for the Prediction of Shale resources
(UC Project)

National Coordinators Meeting & Workshop (UCM9)

12-14 Oct 2017, Cebu, Philippines

A. Background and Objectives:

The CCOP Technical Secretariat (CCOPTS) in cooperation with Korea Institute of Geosciences and Mineral Resources (KIGAM), and Philippine Department of Energy (DOE), will be conducting UCM9 on 12-14 October 2017 in Cebu, Philippines. The objectives of UCM9 are to apply and refine the CCOP Guideline Methodology for the assessment of oil and gas shale resources. An interactive session on the project-developed CCOP shale basin potential map using QGIS will be conducted. The UC Project is using the EIA/ARI methodology for world shale gas and shale oil resource assessment (June 2013) as the Guideline Methodology for CCOP.

B. Participants and Resource persons:

1. National Coordinators and UC Project team members from CCOP member countries.
2. Resource persons from KIGAM and from other CCOP member countries.

C. Venue and Date: Waterfront Cebu City Hotel, Cebu / 12-13 October - Meeting/workshop; 14 October – Field Trip.

D. Implementing / Coordinating Organizations

1. CCOP Technical Secretariat
2. KIGAM
3. Department of Energy (DOE) and Mines Geoscience Bureau, MGB (Philippines)

E. Draft Program:

#	Time	Item	Person/Organization
1	11 Oct	Arrival of participants/resource persons	DOE/CCOPTS
Day 1: Thursday, 12 Oct 2017			
2	0830	Registration	DOE/CCOPTS
3	0900	<p>Opening Ceremony</p> <p>1. Welcoming Remarks</p> <p style="padding-left: 40px;">a. CCOP Technical Secretariat</p> <p style="padding-left: 40px;">b. KIGAM</p> <p>2. Opening Remarks</p> <p style="padding-left: 40px;">a. Deputy Permanent Representative of Philippines to CCOP</p> <p>Exchange of Tokens</p>	<p>CCOPTS</p> <p>Dr Adichat Surinkum Director, CCOP Technical Secretariat</p> <p>Dr Byeong-Kook Son UC Project Leader Principal Researcher Petroleum and Marine Research Division, KIGAM</p> <p>Ms Melita V. Obillo Deputy Permanent Representative of Philippines to CCOP Director, Energy Resource Development Bureau (ERDB – DOE)</p> <p>CCOPTS/DOE/KIGAM</p>
	0945	Group Photo / Coffee - Tea	CCOPTS
4	1015	Introduction and Background of the Meeting /Workshop	Simplicio P. Caluyong CCOPTS
5	1050	Project Update & Recent developments	Byeong-Kook Son KIGAM
	1200	Lunch break	
6	1330	<p>Country Report Presentation (15 min) featuring,</p> <ul style="list-style-type: none"> • Shale basin(s): <i>Map, geology, tectonic settings, oil and gas exploration/production history</i> • Shale boundary • Estimated shale oil/gas resources 	All Participating Countries
	1500	Coffee - Tea	
6	1520	Continue with Country Presentation	All Participating Countries

7	1550	<p>Case Study Session Workshop 1: Oil/Gas shale resource assessment-<i>methodology, workflow, dealing with uncertainties, data and assessment tools, challenges and lessons learned.</i></p> <ol style="list-style-type: none"> 1. Case study: Shale basin resource assessment – <i>a case study for a basin with limited exploration data</i> 2. Workshop session on resource estimation – <i>for basins with limited exploration data</i> <ul style="list-style-type: none"> • Using analogue data – what/why analogue data? • Quantifying and qualifying the uncertainties 	<p>KIGAM</p> <p>KIGAM, other resource persons and All Participants</p>
	1645	Discussions and Day 1 Summary	All Participants
8	1830	Welcoming Dinner (Attire: Smart casual)	Host: DOE (Venue: TBC)
Day 2: Friday, 13 Fri 2017			
9	0830	Overview of Day 1 and Order of the Day	Chairperson
10	0840	<p>Workshop 2: Shale basins of CCOP Region</p> <p>A. Development of the shale basin using QGIS (a free download GIS software)</p> <p>B. Inter-active session using the shale basin map on QGIS</p> <p>C. Q & A</p>	Resource Persons and All participants
	1000	Coffee/ tea break	
10	1020	Continue with Workshop 2 & Discussions	
	1200	Lunch	
11	1330	<p>Workshop 3: The Way Forward for the UC Project</p> <ul style="list-style-type: none"> • Discussions on the Learnings from UC Project Phase 1. How the learnings and competencies developed can be applied locally. • Further capacity building needs of your country in resource assessment. What can your 	All Participants

		country/organization contribute to address the needs? • Feed back and Summary	
	1500	Coffee/ tea break	
12	1520	Awarding of Tokens of Appreciations and Certificates Field Trip presentation Closing Ceremony	CCOPTS CCOPTS / DOE CCOPTS
	1630	End of Workshop / Meeting	
13	1830	Dinner <i>Attire: Smart Casual</i>	Host: CCOPTS (<i>venue: TBC</i>)
		Day 3: Saturday, 14 October 2017	
14	0800 - 1600	Field Trip Program (To be announced)	CCOPTS / DOE

Note:

- a. All participants must bring their shale data and notebook computer for the workshop / exercise sessions.
- b. Everyone must download the latest version of QGIS from <http://www.qgis.org> into their notebook.