

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

P2W1: Workshop on development of natural gas resources with high CO₂ & Carbon Capture and Storage (CCS) in CCOP

Bali, Indonesia, 17-20 March 2009

Program (as of 10 Mar 09)

Day1: 17 March 2009, Tuesday		
0830	Registration	CCOP TS
0900	Opening Ceremony	
	Opening Remarks	
	<i>CCOP Technical Secretariat</i>	Simplicio P. Caluyong, EPPM Coordinator
	Welcoming Address <i>LEMIGAS Norwegian Ambassador</i>	Dr. Hadi Purnomo, Head of LEMIGAS H.E. Mr. Eivind S. Homme
	Keynote Address <i>Permanent Representative of Indonesia to CCOP</i>	Dr. R. Sukhyar, <i>Head of Geological Agency Indonesia</i>
	Exchange of tokens	CCOP TS
	Group Photo session	CCOP TS
0940	Coffee/tea	
1020	Workshop Introduction - Update on the CCOP-Norway EPPM Program - EPPM Program strategic focus - Expected outputs & Planned activities	Mr. Simplicio P. Caluyong EPPM Program coordinator CCOP TS
1100	Petroleum resources of Indonesia - Governance - History of production & reserves - History of petroleum law – what triggered the changes?	Dr. Evita Legowo Director General Directorate General of Oil & Gas
1200	Lunch	

1300	Work Progress of High CO2 Gas Reservoir Utilization In Indonesia	Dr. I Putu Suarsana Reservoir EOR Manager ASCOPE E&P BDC Chairman Pertamina EP, Indonesia
1340	CCS- research projects in Indonesia	Dr. Usman Pasarai LEMIGAS, Indonesia
1420	Indonesia's gas field development - What are challenges? - Issues related to climate change - How the public and private sector can work together for sustainable solutions to these issues? - Way forward	Indonesia
1500	Coffee/tea	
1530	SINTEF'S vision and experiences in natural gas field development and CCS	Dr. Maria Barrio Director Gas Technology Center SINTEF-NTNU, Norway
1630	Summary for day 1	EPPM Program coordinator
1830	Welcome Dinner (details to be announced- TBA) - Attire: smart casual	Hosted by LEMIGAS
	Day 2: 18 March 2009	
0900	CCS - current status - What is CCS? What are the incentives? - challenges/opportunities - transportation and capture of CO2, where are we now? What is in store for the future? - Roles of the government & industry - & how they can work together?	Mr. Olav Kaarstad Senior Advisor on CO2 Technology and New Energy StatoilHydro ASA, Norway
1000	Coffee/tea	
1030	CDM Projects in the oil and gas sector - What type of projects can qualify as CDM project? - What are the existing mechanisms for qualification? - The responsible agencies: local and international - Benefits from CDM projects	Mr. Per Øivind Johansen Manager , MGM Scandinavia Norway

1115	CCS- what are the risk & uncertainties? <ul style="list-style-type: none"> - Criteria for the selection of storage sites - Does CCS bring business opportunities? How? - What kind of mechanism should be put in place? - What are the issues? - Responsibilities of the public and private sector 	DR. JOHANNES PETER GERLING Head of Unit Utilization of Deep Geological Formation Geological CO2 Storage BGR, Germany
1200	Lunch	
1300	Workshop 1: CCS projects in the CCOP region <ul style="list-style-type: none"> o Identify potential projects in the CCOP region o What are the capacities/expertise available in the Member Countries? o What are the capacities needed to be developed? o Moving forward - How can we acquire these capacities and sustained in the Member Countries? 	EPPM Program coordinator & resource persons
1500	Coffee/tea	
1530	CCS case studies <ul style="list-style-type: none"> o Selected CCS projects world wide o History of development o Cost and economics o Challenges & solutions o Roles of government & industry o Key lessons learned 	Mr. Olav Kaarstad Norway
1630	Summary for day 2	EPPM Program coordinator
Day 3: 19 March 2009		
0900	Legal barriers to CCS <ul style="list-style-type: none"> - The Norwegian experience in CCS - Legal and regulatory issues - International Law- the London Protocol 	Ms. Mette Karine Gravdahl Agerup Deputy Head of the Legal Section for Oil and Gas Ministry of Petroleum and Energy Norway
0945	Workshop 2: Mapping of Potential reservoir for CCS in the CCOP region	EPPM Program coordinator & resource persons

1030	Coffee/tea	
1100	Continue with Workshop 2	
1130	Workshop 3: Way forward for a natural gas development & CCS capability building in CCOP	EPPM Program coordinator & resource persons
	<ul style="list-style-type: none"> - How CCS projects can contribute to the economic development of the CCOP region - The role of the Member Countries & the Technical Secretariat 	
1230	Lunch	
1330	Continue with workshop 3 & group presentation	
1430	EPPM Program: future plans	EPPM Program coordinator
1500	Coffee/tea	
1530	Workshop summary & Evaluation	EPPM Program coordinator & Secretariat
1630	Closing ceremony	CCOP TS & PETRAD
1830	Farewell Dinner (TBA)	
Day 4: 20 March 2009 - Field Trip (TBA)		