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

EPPM Program Seminar 6 (S6): Seminar/Workshop - CCS Opportunities in the CCOP Region, 12-14 September 2012, Indonesia

A. Objectives:

- a. To enhance the knowledge of the CCOP Member Countries with the current state-of-the-art in Carbon Capture Storage.
- b. To discuss the opportunities of CCS in the region

B. Participants and Resource Persons

- a. Participants Management representatives from Upstream Oil and Gas regulating agencies, research agencies, ASCOPE and other national oil companies, and academic institutions in the CCOP Member Countries.
- b. Resource persons from PETRAD's network, IEAGHG, CO2CRC, GCCSI and CCOP Member Countries

C. Venue & Date: Indonesia, 12-14 September 2012

Draft Program

#	Date	Item	Responsible Organization/Resource Person
	12 Sep	DAY 1	
1	0830	Registration	CCOP TS
2	0900	Opening Ceremony	
		 Welcoming Remarks 	
		 CCOP Technical Secretariat 	Prof. Dr. He Qingcheng Director, CCOP TS
		o Permanent Representative of Indonesia to CCOP	Dr. R. Sukhyar Chairman, CCOP Steering Committee & Head of Geological Agency, Indonesia
		Representative from PERTAMINA (ASCOPE)	Dr. Adriansyah SVP Upstream Business Development PERTAMINA
		Opening Remarks	
		Norwegian Embassy- Jakarta	HE Ambassador Stig Traavik Ambassador of Norway to Indonesia Royal Norwegian Embassy- Jakarta

		Exchange of tokens	
	1000	Group Photo- Coffee/Tea - Networking	All
4	1030	Introduction and background of the workshop	Mr. Simplicio P. Caluyong
		EPPM Program update	EPPM Coordinator, CCOP TS
5	1100	Overview of the CCS Landscape in Australia	Dr. Matthias Raab
			Program Manager
			Geological Carbon Storage
			CO2CRC, Cooperative
			Research Centre for GHG
			Technologies
			University of Melbourne
			Australia
6	1130	Update on CCS Storage Projects	Dr. Holger Bietz
			General Manager
			Projects, Financial and
			Commercial
			Global CCS Institute
			Australia
	1200	Lunch - Networking	
7	1330	A case study on CCS Projects: Australia's	Dr. Matthias Raab
		CO2CRC- Otway Project	CO2CRC, Australia
8	1400	Country presentations: CCS Opportunities	CCOP Member Countries
		(~15 min)	
		 CCS Technical works in your country 	
		 Research projects 	
		 Techno-economic projects 	
		 Pilot projects 	
		 CCS Policy development 	
		 Regulatory framework 	
		Government International collaboration	
	1500	Coffee/Tea - Networking	
	1530	Continue with the Country presentations	
9	1600	Workshop/group discussion 1: CCS challenges	All Participants
		and opportunities	
		Status of International experience	
		 There are few full scale 	
		projects- what could be the	
		challenges?	
		 Opportunities for the use of CO2 	
		opportunities for the use of CO2	
		- Brief introduction/background	PROF. BJØRN KVAMME
		2,i oddolion, zdongrodna	Professor
			Department of Physics and
			Technology
			University of Bergen, Norway
10	1700	Summary End of Day 1	
10			
	1030	Welcome Diffier (smart casual)	•
10	1830	Summary, End of Day 1 Welcome Dinner (smart casual)	Chairperson, CCOP TS Hosted by Pertamina, Indonesia at Patra Bali

	13 Sep	DAY 2	
11	0830	Recap of Day 1- Order of the day	Chairperson
12	0845	 CCS Capture Overview of CO2 capture development CO2 capture from power plants (coal) More details discussions on Post, Oxyfuel and Pre-Combustion capture CCS in CDM Update CO2 Capture in Far East Asia Current status and The way forward 	Dr. Stanley Santos Project Manager IEAGHG, UK
13	0930	CO2 Technology Center - Mongstad, Norway	Mr. Tor Fjæran President Director
			Statoil Indonesia
	1000	Coffee/Tea – Networking	Statem magnesia
14	1030	CCS Capture Technologies & Transportation Options	Dr. Stanley Santos IEAGHG, UK
15	1115	First Pilot Study of CO2 Sequestration in Indonesia	Prof, Wawan Gunawan A. Kadir ITB, Indonesia
	1200	Lunch - Networking	
16	1330	Workshop 2: CCS Capture	All participants
	1500	Coffee/Tea – Networking	
	1530	Continue with Workshop 2	All participants
17	1700	Summary & End of Day 2	Chairperson
	14 Sep	DAY 3	
18	0830	Recap & Order of the day	Chairperson
19	0840	 Assessment of injection induced earthquake and strong motion effect on CO2 storage reservoir 	Dr. Shinsuke Nakao Leader of CO2 Geological Storage Research Group Geological survey of Japan AIST, JAPAN
	0900	Update on CO2 Storage & Monitoring Research in Korea	Dr. Jeong Chan Kim Leader of CO2 Geological Storage Research Team Korea Institute of Geoscience and Mineral Resources KIGAM, Korea
20	0930	Mapping of Geological CO2 Storage sites	Mr. Tor Fjæran President Director Statoil Indonesia
	1000	Coffee/Tea – Networking	
21	1030	Storing CO2 in Gas Hydrates	Prof. Bjørn Kvamme University of Bergen, Norway
22	1115	CCS Project in CCOP — Development of a CCOP CO2 Storage Atlas	Mr. Simplicio Caluyong CCOP TS
	1200	Lunch - Networking	
23	1330	Workshop 3: CO2 Storage • Characterization techniques	All Participants

		 Challenges for long term storage Impact of various types of sealing formations General comments 	Prof. Bjørn Kvamme University of Bergen, Norway
	1500	Coffee/tea	
24	1530	Workshop summary Awarding of certificates and tokens Closing Ceremony/remarks	Dr. Øystein Berg Managing Director
			PETRAD, Norway
	1630	End of Workshop	
	1830	Farewell Dinner (smart casual)	CCOP TS (Gimbaran Beach, Denpasar)