



# PETRAD



NORWEGIAN PETROLEUM  
DIRECTORATE

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

**PROGRAMME LEAFLET**

**EPPM Program: Seminar on CCS Awareness &  
Networking of Petroleum Geoscience Institutes in the  
CCOP Region**

**16-17 November 2009, Bangkok, Thailand**

# CONTENTS

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	<b>Page</b>
<b>Objectives.....</b>	<b>1</b>
<b>Tentative Programme.....</b>	<b>2</b>
<b>Addresses – Distinguished Guests and Resource Persons.....</b>	<b>5</b>
<b>Addresses – Preliminary Name List of Participants.....</b>	<b>6</b>
<b>Resource Persons’ Curriculum Vitae.....</b>	<b>15</b>
<b>Note for Information.....</b>	<b>19</b>

## **EPPM Program: Seminar on CCS Awareness & Networking of Petroleum Geoscience Institutes in the CCOP Region**

16-17 November 2009, Bangkok, Thailand

This is the second annual Seminar of the 4-year CCOP-Norway Program for Enhancing Public Petroleum Management for the CCOP Member Countries (EPPM). The Seminar aims to enhance the capabilities of the Member Countries about CCS regulations and awareness. A discussion on the future plans of the Program and ways to enhance the networking among Member Countries are also in the agenda.

The Goal of EPPM is to create the highest possible value for society from petroleum resources in order to improve the quality of life of the people in the CCOP Member Countries.

The Objectives of the Programme are as follows:

- To enhance the capability and capacity of Member Countries in assessment of the undiscovered petroleum resources with focus on natural gas.
- To enhance the capacity and capability of Member Countries in natural gas development and clean development mechanism & environmental issues.
- To set up an easily accessible metadata on natural gas resources of the CCOP Countries for knowledge sharing & preservation on natural gas resource exploration, exploitation and environmental impact mitigation.

### **Expected Output from the Seminar:**

- a. Learning the impact of the EPPM Program, the technical activities, and ways to improve the current networking with an aim of improving the sharing of knowledge and resources to benefit the Member Countries
- b. The cooperation and networking of the CCOP Member Countries and partner institutions is further expanded and enhanced.

### **Target Resource Persons and Participants:**

- a. Resources persons from CCOP and Norway will be invited
- b. Participants to be invited are the national coordinators & working group leaders, management representatives & senior geoscientists from the oil and gas agencies of the Member Countries, experts from the National Oil Companies and representatives from geoscience research and academic institutions

### **Date and venue:**

16-17 November 2009 in Bangkok, Thailand

**EPPM Program: Seminar on CCS Awareness & Networking of Petroleum Geoscience Institutes in the  
CCOP Region**

16-17 November 2009, Bangkok, Thailand

**TENTATIVE PROGRAMME**

**November 15** – arrival of participants

**November 16 – Day 1**

0830 Registration

*CCOP Technical Secretariat*

0900 Opening Ceremony

Welcoming Address

**Mr. Simplicio P. Caluyong**

*EPPM Project Coordinator, CCOP Technical Secretariat*

**Dr. Oystein Berg**

*Managing Director, PETRAD, Norway*

Opening Address

**Dr. Boonrasri Tongpenyai**

*EPPM National Coordinator*

*Deputy Director General, Department of Mineral Fuels (DMF)*

*(On behalf of )*

**Mr. Adisak Thongkaimook**

*Permanent Representative of Thailand to CCOP*

*Director-General, Department of Mineral Resources (DMR)*

Exchange of Tokens

Group Photo

0930 Tea/Coffee --- networking

1000 **Introduction & background of the Seminar**

*Mr. Simplicio P. Caluyong*

*Project Coordinator, CCOP Technical Secretariat*

1020 **Geo- resources sector update**

*Dr. Nguyen Nhu Trung*

*Geo-Resources Sector Coordinator, CCOP Technical Secretariat*

1050 **The EPPM Program**

- EPPM background
- The 3 Projects in the EPPM Program
- Accomplishment report and Lessons learned

*Mr. Simplicio P. Caluyong*  
*Project Coordinator, CCOP Technical Secretariat*

1130 **The new Strategic plan of CCOP**

*Mrs. Marivic P. Uzarraga*  
*Geo-Information Sector Coordinator, CCOP Technical Secretariat*

1200 Lunch

1300 **Report from the Member Countries** (max 15 mins)

- Brief update of Oil & Gas activities in your country
  - including activities related to environmental mitigations, CCS, etc
  - investment opportunities
- Attendance in the technical activities under the EPPM Program
  - How does the workshop topics relate to the challenges your country is facing in the context of natural gas development?
  - How is knowledge learned from the EPPM workshops/seminars shared in your organization?
  - What are your recommendations in order for the EPPM to add value to your organization's capacity building activities?
  - What can your country/organization offer to help achieve the capacity building objectives of the EPPM Program?

1500 Tea/Coffee

1520 **FS on Networking of Petroleum Geoscience Institutions in the CCOP Region**

- *Discussion about the Study, the survey & results analysis, and way forward*

*Mr. Chen Shick Pei*  
*SEADPRI-UKM, Malaysia*

1700 Summary for Day 1

1830 Welcome Dinner (to be announced)

**November 17- Day 2**

0830 **CCS Public Awareness campaign**

*Ms. Simone Carr-Cornish  
CSIRO, Australia*

0930 **CCS Development in Norway**

*Dr. Per Christer Lund  
Counsellor Science and Tecohnology, Innovation Norway  
Royal Norwegian Embassy, Japan*

1000 Tea/Coffee

1030 **Accelerating the deployment of CCS**

*Dr. Bjorn Berger  
Head of TNE RD EEN New Energy, Norway*

1130 **CCS safety and risk assessment: Guideline for selecting and qualifying CO2 geological storage sites**

*Mr. Jens Eirik Ramstad,  
DNV, Malaysia*

1200 Lunch

1300 **The hunt for a suitable CO2 Storage under the North Sea**

*Dr. Bjorn Berger  
Head of TNE RD EEN New Energy, Norway*

1345 **Research related to CCS in the CCOP Member Country**

- **Japan – Dr. Toshiyuki Tosha, GSJ, AIST**
- **Korea - Dr. Gu-Young Kim, KIGAM**

1500 Tea/Coffee

1530 **Way forward for the EPPM Program**

*Mr. Simplicio P. Caluyong  
Project Coordinator, CCOP Technical Secretariat*

1600 Summaries & Evaluation

*CCOP TS*

1630 Closing Ceremony

*CCOP TS & PETRAD*



1830 Farewell Dinner (to be announced)





## EPPM Program: Seminar on CCS Awareness & Networking of Petroleum Geoscience Institutes in the CCOP Region







16-17 November 2009, Bangkok, Thailand

### DISTINGUISHED GUESTS






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## **RESOURCE PERSONS' SHORT CV (alphabetically):**



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### **Short Bio data:**

Björn Berger, born in 1951 holds a Ph.D in Engineering Geophysics from the University of Science and Technology in Trondheim, Norway. He is currently head of the New Energy R&D unit in Statoil. This unit is concerned with renewable energy as well as CO<sub>2</sub>-capture and underground CO<sub>2</sub>-storage (CCS). He had experience from Uranium exploration with the Geological Survey of Sweden, Research in geophysics at the Norwegian University of Science and Technology and Soil Engineering and Engineering Geology at Kummenje consulting engineers, before he was employed by Statoil in 1992.

From 1992 he has been working in the R&D unit of Statoil in the areas of Energy, specializing in Natural Gas Storage as well as CO<sub>2</sub>-storage. From 2004 - 2006 he was project manager of the “CO<sub>2</sub>- free energy” R&D project covering all aspects of new energy solutions, and is currently Head of the New Energy department with 15 researchers working with all aspects of the energy solutions of the future .



**Ms. Simone Carr-Cornish**  
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### **Short Bio data:**

Simone Carr-Cornish joined CSIRO in 2006 as a social research officer. She is part of team that specialises in linking science and technology for public benefit, by developing and applying cutting edge research on individual and group behaviour to a variety of complex issues such as acceptance of new technology and achieving sustainable development through behaviour change. Mitigation technology, including CCS is one focus of the group. Simone and her colleagues have been involved in national and international studies of the public acceptance of CCS and the development of international research networks.



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**Short Bio data:**

Per Christer Lund was born in 1961 in Stavanger, Norway, and holds a MSc (1986) and Ph. D. (1992) in chemical engineering from the University of Science and Technology in Trondheim, Norway. He is currently science and technology counsellor at the Norwegian embassy in Tokyo.

Per Christer professional career includes a number of various positions and companies within the energy and environment domain. He has been post-doc in Japan working on CCS as early as 1992, and also spent one year as guest engineer at a nuclear power station in Japan. Per Christer has also been engaged in energy trading and energy markets. He worked 4 years in North America on risk management for electricity market players, and has been involved in the electricity market design in India, Turkey and Ireland.

In his current position, Per Christer is facilitating business development and research collaboration between Norway and Asian countries. He has special interests in renewable energy and Carbon Value Chain.



**Mr. Chen Shick Pei,**

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**Short Bio data:**

Mr Chen's entire career was with the national geological survey in Malaysia. He started his career as a geologist with the Geological Survey of Malaysia, Sarawak, rising to various positions as Principal Geologist, Director of the Geological Survey, Sarawak, and Deputy Director General and Director General of the Geological Survey of between 1970 to 2000 . His field of work was in mineral exploration and groundwater studies. He was seconded by the Malaysian Government to take up the position as the Director of CCOP Technical Secretariat August 2000 to June 2007. His more recent interest is in promoting and enhancing geoscience role in governance, and overcoming societal challenges.

He is the co-editor and one of the authors of the book "Role of Geoscience in Governance for sustainable development and human security" and co-editor of the CCOP book on "Geoheritage of East and Southeast Asia" prepared in commemoration of the Year of Planet Earth.



### **Mr. Jens Eirik Ramstand**

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#### **Short Bio data:**

Jens Eirik Ramstad, born in 1962, holds a M.Sc. degree in Marine Engineering from the University of Science and Technology in Trondheim, Norway. He is currently the Country Manager for DNV in Malaysia, an operation run from Kuala Lumpur with 80 employees which includes:

Climate Change Services, Maritime Classification and technical services, Oil & Gas Services, Laboratory/material testing services, Certification Services

Jens Eirik has a long track record in Risk & HSE management in the oil and gas industry worldwide as well as in huge onshore civil construction projects in Norway. Jens Eirik also holds a university degree in training and education science and has worked as a training expert for United Nations programme TRAINMAR, based in Geneva. This is his second period in DNV, rejoining the company in 2001. Jens Eirik has been actively participating in DNV's R&D activities related to production and utilization of Hydrogen, with main focus on safety management.



### **Dr. Toshiyuki Tosha**

Principal Research Scientist

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#### **Short Bio data:**

Toshi Tosha was born in 1953 and holds a Ph.D in Geophysics from the University of Tokyo, Japan. He was the leader of the CO2 geological storage research group till May this year. He is currently a principal research scientist and is still charged with the geological storage R&D in AIST.

His background is geophysics in the geothermal energy development, where the hydro fluid at subsurface is a R&D target. Research results developed in the geothermal study are transferred to the CO2 geological storage study.

During 1991 and 1992 he temporary transferred to the Sunshine project headquarter office of the ministry of international trade and industry as a technical adviser of the geothermal resource development. From 1993 to 1995 he worked in New Zealand and studied on the geophysical investigation for the geothermal resources. From 1999 to 2002 he was a director of the geothermal energy department in the New Energy and Industrial Technology Development Organization (NEDO). After coming back to the institute, he has been working CO2 geological storage using his knowledge and experience of the study on the subsurface fluid flow.

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## PETRAD'S REPRESENTATIVE



**Dr. Øystein Berg,**  
Managing, Director, Petrad

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### **Dr. Øystein Berg**

Dr. Berg holds a BSc in Civil Engineering from Queens University of Belfast, Northern Ireland, as well as a Postgraduate Diploma in Industrial Administration and PhD in Business Administration from The Management Centre, Bradford, England.

Dr. Berg worked as a Management Consultant for the IKO Consultancy Group from 1976 to 1978. He was then appointed by the Norwegian Petroleum Directorate as Project Manager for 1/3 of the largest Safety Research Programme ever undertaken in Norway, 'Safety on the Norwegian Continental Shelf'. Dr. Berg was managed a total of 51 R&D projects from 1978 until 1981.

Between 1981 and 1989, Dr. Berg held various positions in the Norwegian Petroleum Directorate such as Director for the Department of Marine Technology, Director of the Strategy Department in the Safety Division and also deputized as Director of Safety.

In 1989 Dr. Berg was called upon by the Norwegian Government to develop the Petrad Programme (International Programme for Petroleum Management and Administration). Currently Dr. Berg serves as Managing Director for Petrad.

Dr. Berg has participated in a large number of national and international advisory committees in the petroleum sector and within R&D. He has since 1984 been Advisor to Government Agencies and National Oil Companies in East and South East Asia through the CCOP and ASCOPE Organizations. Prior to establishing Petrad, Dr. Berg also lectured on topics related to industrial maintenance, risk and reliability and safety in the offshore petroleum industry in USA, Asia and Europe.

Dr. Berg received in 2004 the "Friendship Award" from the Chinese Government for long standing cooperation on knowledge transfer in the petroleum sector. This is the highest award given to foreigners by the Chinese Government.

Dr. Berg was in May 2006 appointed to the Academic Advisory Board of University Teknologi Petronas, Malaysia, under the Chairmanship of former Prime Minister of Malaysia, Dr. Mahathir Mohamed. From 2007 Dr. Berg has been a member of the 3 man nominations committee for the Malaysian 'Merdeka Award' – Health, Science and Technology category.

## NOTE FOR INFORMATION

<b>Accommodation</b>	<p><b>Holiday Inn Hotel Silom</b></p> <p>Address: 981 Silom road, Bangrak, Bangkok 10500, Thailand</p> <p>Tel. : +66 2 238 4300, Fax.: +66 2 266 7701</p> <p>Website: <a href="http://www.bangkok-silom.holiday-inn.com">www.bangkok-silom.holiday-inn.com</a></p>
<b>CCOP Group Hotel Room Rates</b>	<p><b>Superior Single room: THB 2,000.-</b> nett / room / night (incl. buffet breakfast)</p> <p><b>Superior Twin room: THB 2,300.-</b> nett / room / night (incl. buffet breakfast)</p> <p><i>The above rates are inclusive of service charge and government tax. Upon checking in at the hotel, delegates may be requested to provide your credit card imprint or cash payment for one-night accommodation for guarantee. Please be prepared for such request.</i></p> <p><b>CCOP, as the organizer, will reserve the hotel rooms on behalf of all delegates. Single rooms will be automatically reserved for each nominated delegate both sponsored and own-cost unless requested otherwise. Cancellation of room or no show will incur one night room charge which will fully be borne by the delegate. Any inquiry in regard to room reservation should be directed to the organizer.</b></p>
<b>Meeting Venue</b>	<b>Crystal Ballroom</b>
<b>Meeting Package</b>	2 coffee breaks and 1 Lunch during the seminar will be sponsored by the project to both sponsored and own-cost delegates.
<b>Internet in the guest room</b>	<p>24 hrs.: THB 502.- nett for wire</p> <p>24 hrs.: THB 749.- nett for wire and wireless (wireless can be used in the Crystal ballroom)</p>
<b>Evening Functions</b>	<p>Welcome Dinner on Monday 16 November <b>(kindly hosted by CCOP-EPPM)</b></p> <p>Farewell Dinner on Tuesday 17 November <b>(kindly hosted by CCOP-EPPM )</b></p> <p>Details to be announced, Round-trip transport from Hotel will be provided, if required</p>
<b>Airport Transfer</b>	<p>Round-trip transfer service is arranged in coordination with Holiday Inn Hotel Silom to both sponsored and own-cost foreign delegates according to their flight schedules. Representatives from Holiday Inn Hotel Silom will wait at the arrival hall with <span style="border: 1px solid black; padding: 2px;"><b>CCOP</b></span> signage.</p> <p>Note: Passengers no longer have to pay airport departure tax in Thailand.</p>

<b>Visa Requirements</b>	<p>Delegates will receive “<i>Acceptance Letter</i>” issued by the CCOP as organizer via fax and/or E-mail for the travel approval from their organizations and /or to apply &amp; obtain entry visa to Thailand in advance, if it is required.</p> <p>Note: The delegates must possess a passport valid for at least six months upon arrival.</p>
<b>Sponsorship</b>	<p><b>Daily Subsistence Allowance (DSA):</b> will be distributed to sponsored participants at registration on Monday 15 November from 8:30-9:00 am. This DSA covers accommodation (based on single occupancy rate), meals and any incidental expenses. Sponsored participants are to settle the payment of their room and personal expenses with the hotel directly. In case of compulsory overnight transit, the cost of extra nights will also be calculated into the DSA and assistance can be provided for hotel reservation.</p> <p><b>Air-tickets:</b> Sponsored participants are kindly requested to purchase the air-ticket for reimbursement upon the provision of original receipt indicating CCOP-approved airfare.</p>
<b>Travel Insurance</b>	<p>Delegates are strongly recommended to obtain the travel insurance plan that suits their needs.</p>
<b>Activity Record</b>	<p>A USB drive will be provided to all participants to record the presentations, final name list with contact details of delegates and pictures.</p>
<b>Currency</b>	<p>USD 1 ~ THB 33.- (as of October 2009)</p>
<b>Climate</b>	<p>End of Rainy Season, temperature is 27-30°C</p>
<b>Time Zone</b>	<p>GMT+8</p>
<b>For more information, please contact</b>	<p><b>Mr. Simplicio P. Caluyong</b>  EPPM Project Coordinator  CCOP Technical Secretariat  CCOP Building  75/10 Rama VI Rd., Phayathai, Ratchathewi, Bangkok 10400, Thailand  Tel: +66 (0) 2644 5468 ext. 503, Fax: +66 (0) 2644 5431, Mobile +66 (0) 81 827 0527  E-mail <a href="mailto:sim@ccop.or.th">sim@ccop.or.th</a>, Website: <a href="http://www.ccop.or.th">www.ccop.or.th</a>, Skype: Sim Caluyong</p>





## **PETRAD – INTERNATIONAL PROGRAMME FOR PETROLEUM MANAGEMENT AND ADMINISTRATION**

Petrad is a Norwegian Government Foundation established in 1989 to facilitate sharing of knowledge and experience on Petroleum Management, Administration and Technology between managers and experts within Governments and National Oil Companies.

Petrad arranges tailor-made courses and seminars covering a wide range of topics on the management of petroleum resources. The activities are conducted in Norway and abroad lasting from 1 day to 10 weeks. The courses and seminars have a practical focus.

Petrad also conducts Training Needs Assessments and assistance with Institutional Development.

Petrad draw on resource persons and lecturers from the total Norwegian and International petroleum industry. They hold considerable experience from senior managerial and technical positions with Government, Operating-, Engineering- and Service Companies, Consultancies, R&D Institutions and Universities.

Petrad has arranged a total of more than 400 courses and seminars with more than 14.000 participants from 103 countries.

### **PETRAD PRODUCTS & SERVICES**

<p><b>8-WEEK COURSES</b> (Stavanger, Norway – annually)</p> <ul style="list-style-type: none"> <li>- Petroleum Policy and Resource Management</li> <li>- Petroleum Development and Operations</li> </ul> <p><b>TRAINING MODULES</b> (World wide – on request)</p> <ul style="list-style-type: none"> <li>- Policy and Management of Petroleum Sector development</li> <li>- Good Governance</li> <li>- Resource management</li> <li>- Revenue management</li> <li>- Environment management</li> <li>- Legislation - Licensing</li> <li>- Contracts for the Petroleum Sector</li> <li>- Local Content - Anti-corruption</li> <li>- Petroleum Sector Understanding for the Civil Society</li> <li>- Fiscal Metering - Data Management</li> <li>- Downstream Petroleum Management</li> <li>- HSE - Health, Safety and Environment Management</li> </ul>	<p><b>TAILOR MADE SEMINARS</b> (World Wide – on request)</p> <ul style="list-style-type: none"> <li>- All topics within petroleum management, administration and technology</li> </ul> <p><b>TNA – TRAINING NEEDS ASSESSMENT</b> (World Wide – on request)</p> <p><b>INSTITUTIONAL DEVELOPMENT</b> (World Wide – on request)</p>
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For further information please contact:

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