



Program for Enhancing Public Petroleum
Management (EPPM)



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CCOP-Norway Program for Enhancing Public Petroleum Management in the CCOP Member Countries

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Coordinating Committee for Geoscience
Programmes in East and Southeast Asia (CCOP)

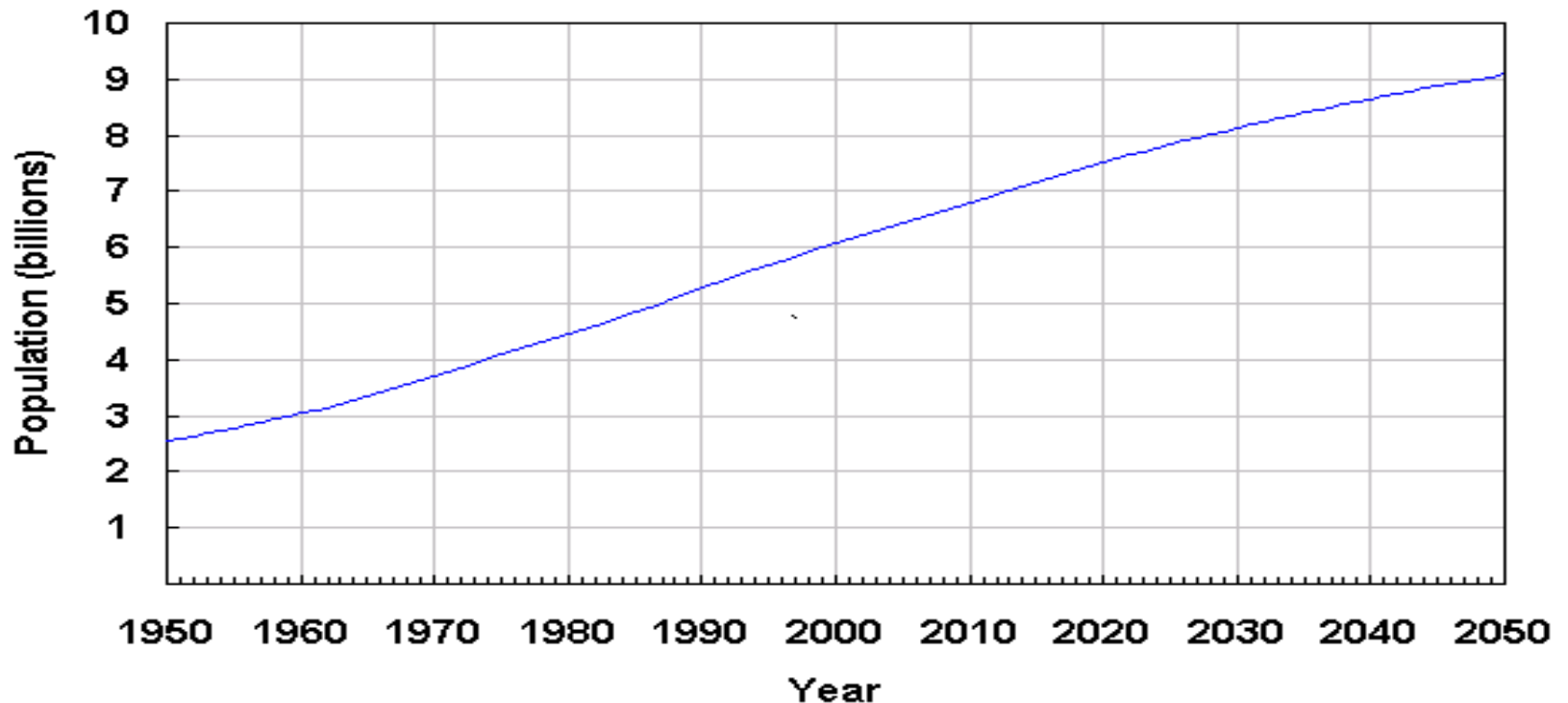
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- ◆ EPPM program profile
- ◆ Technical projects - a learning journey
- ◆ Coordination set-up
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Dramatic Growth

World Population: 1950-2050

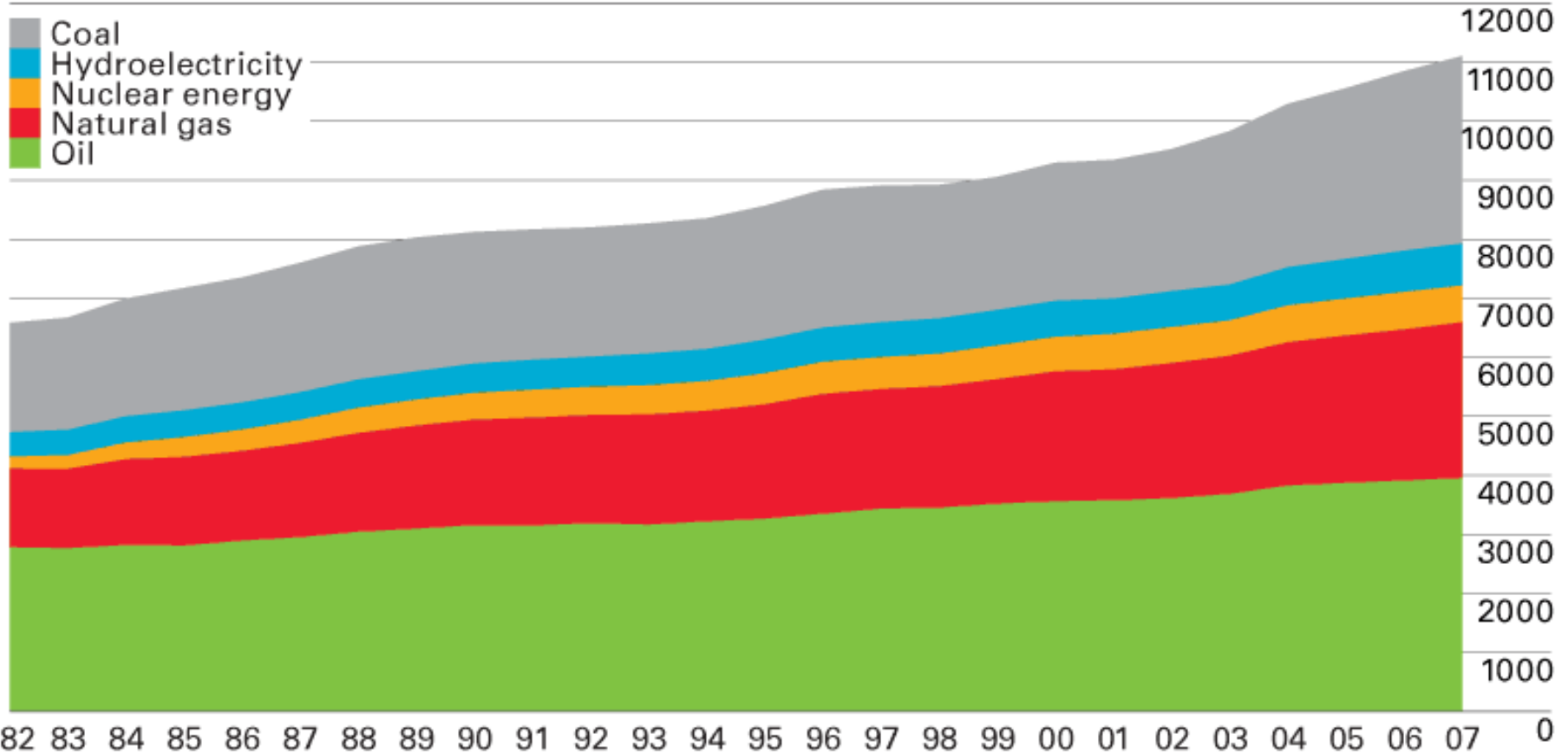


Source: U.S. Census Bureau, International Data Base 7-2003.



World Consumption

World consumption
Million tonnes oil equivalent



BP Statistical Review of World Energy 2008



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Oil & Gas Company in the changing world

- ◆ Main asset of an O & G company
 - Reservoir & People
- ◆ Changing economic climate
 - Easy O & G is gone- existing reservoir is maturing
 - Global demand increasing
 - Financial crisis
- ◆ Climate change



Solutions/opportunities

- ◆ **Advancement in Technology**
- ◆ **Optimizing people asset**
 - **Extracting maximum staff efficiency**
 - **Productivity through teamwork & integration**
 - **Training and ramping up of new staff**
 - **Knowledge retention**
- ◆ **Information management**



- 
- ◆ **The O&G company's key performance indicators**
 - **Accuracy of reserves assessment**
 - **Project NPV**
 - **Field performance**
 - ◆ **These are directly impacted by how well the company harnesses and leverage their data & knowledge**



EPPM Program

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

- The goal 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.



EPPM Program

- ◆ Agreement between Norway & CCOP signed on 10 July 2008
- ◆ 4-year, July 2008- June 2012
- ◆ Budget: NOK15 Million
- ◆ Implementing agency: CCOP TS
- ◆ Cooperating agency: NPD & PETRAD
- ◆ Beneficiaries: CCOP Member Countries



EPPM Program

◆ 3 Projects

- **(P1) Petroleum Resource Management with focus on Natural Gas**
- **(P2) Natural Gas Field Development and Environmental Issues**
- **(P3) Metadata on Natural Gas Resources in the CCOP Region**



EPPM Program

◆ Outputs

- Trained and more knowledgeable professional staff in the MC
- Working Group and Expert Group formed
- Project Report
- Improved Natural gas database that is easily accessible
- Project website for information, reporting, knowledge sharing and preservation
- Networking and cooperation among MC is further strengthened



EPPM Strategic Focus

- ◆ **Natural Gas development & Environmental issues**
- ◆ **Practice of Knowledge Management**



P1- Petroleum Resource Management with focus on Natural Gas

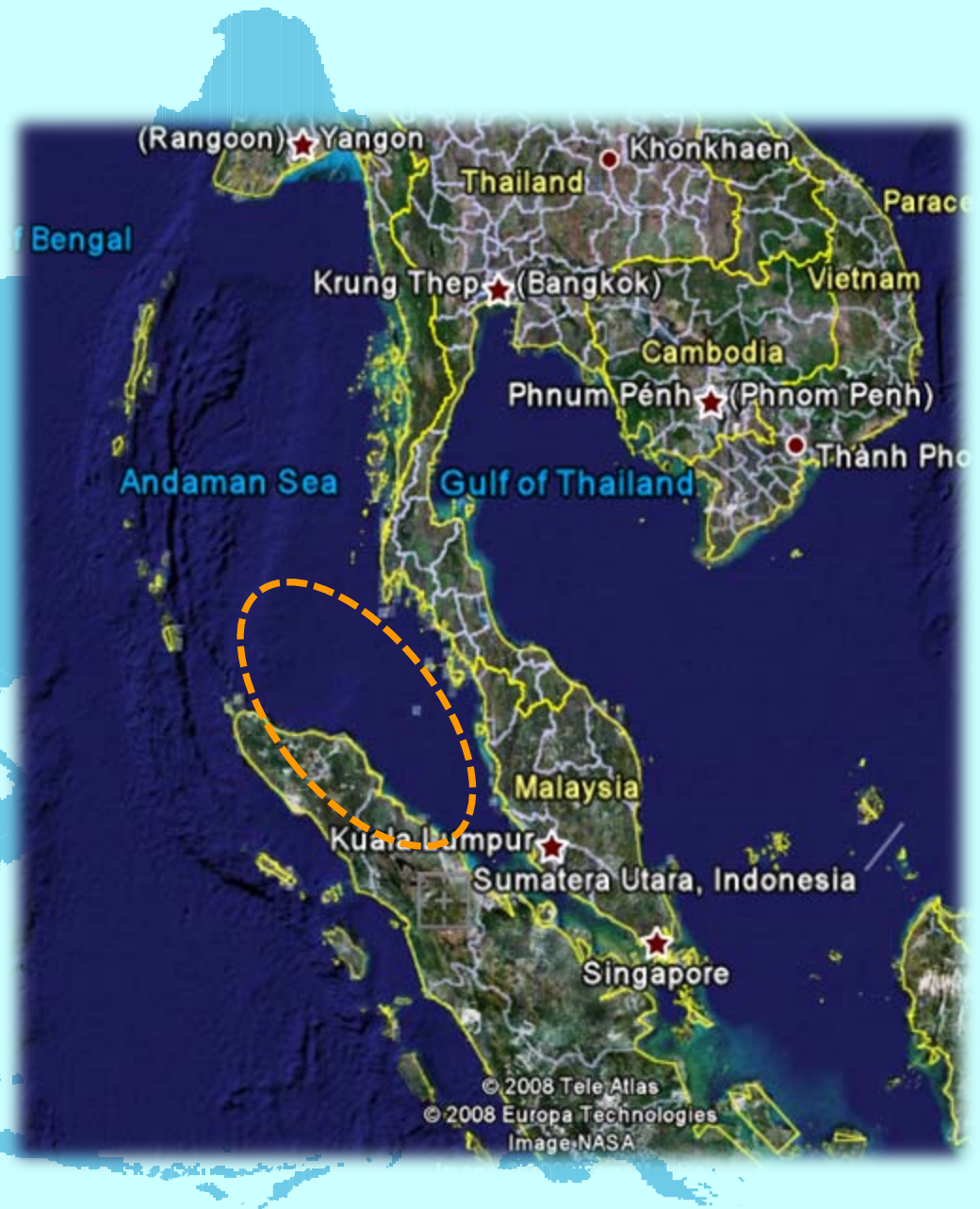
- ◆ **Objectives:** To enhance the capability and capacity of MC in assessment of the undiscovered petroleum resources with focus on natural gas
- ◆ **Implementation thru cross-border case study**
 - Supported by 6 workshops, field works & trainings



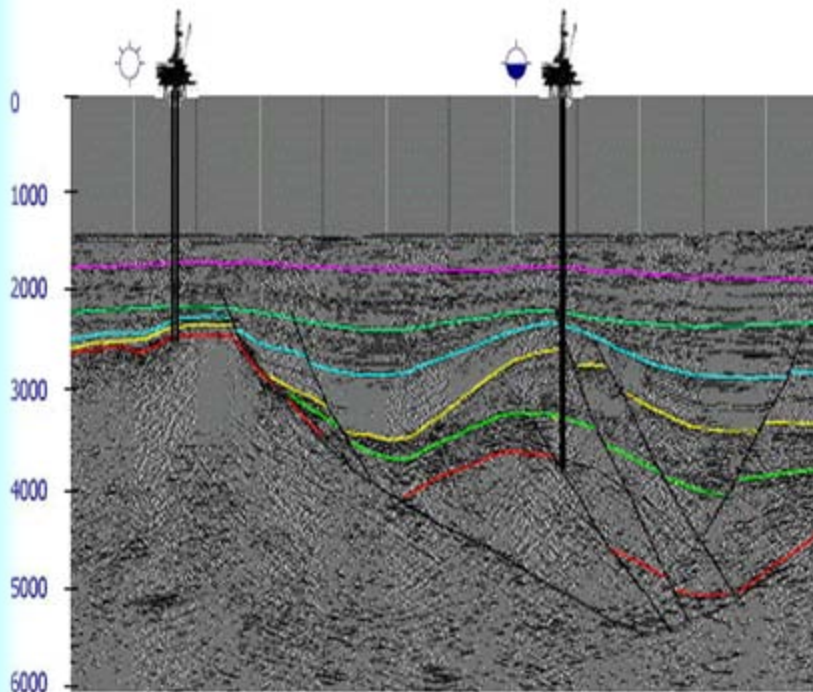
P1

◆ Cross-border Case study area: North Sumatra – Mergui basin

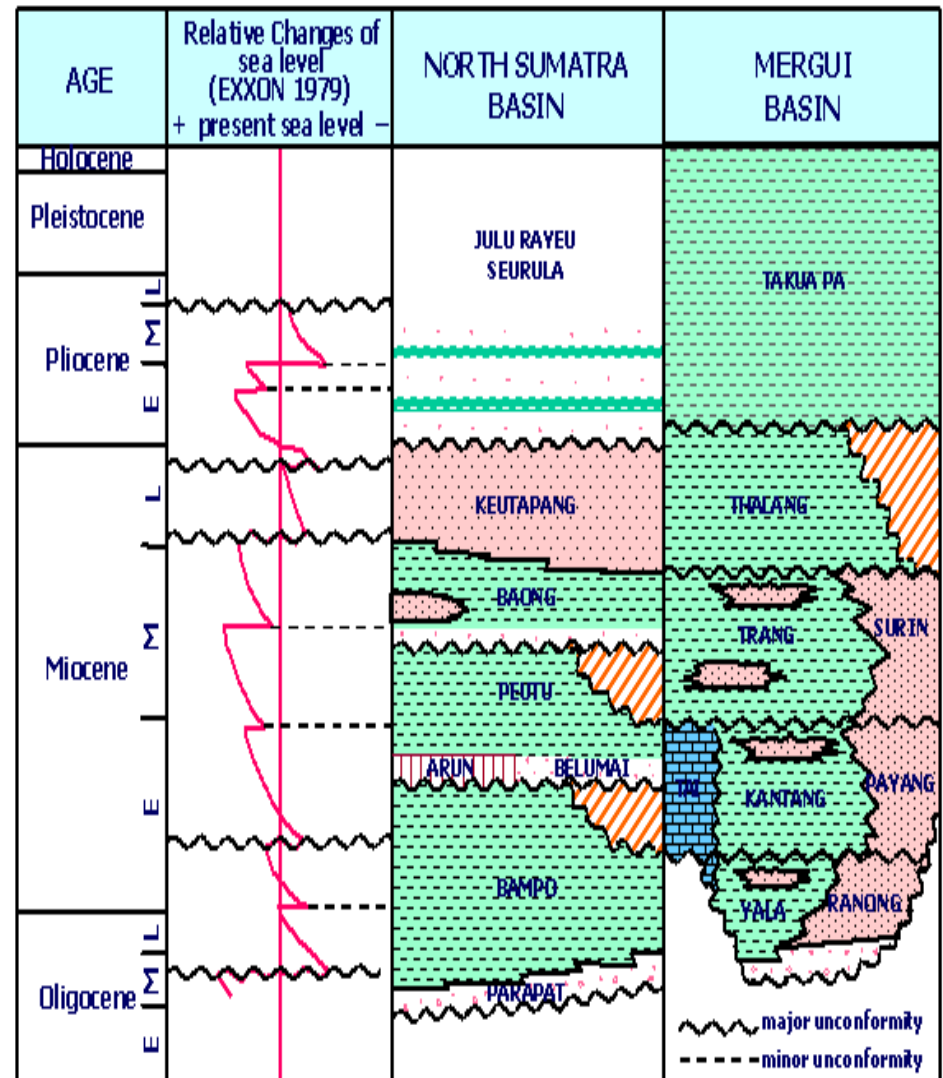
- Shared my
Thailand, Malaysia
& Indonesia



Seismic Cross-Section of the Mergui Basin



Stratigraphy of the Mergui Basin



P2 -Natural Gas Field Development and Environmental Issues

- ◆ **Objectives:** To enhance the capacity and capability of MC in natural gas development and clean development mechanism & environmental issues
- ◆ **Implementation:** series of 6 workshops
 - China (SINOPEC) has offered their Puguang gas field for case study on challenges to gas production/development (CO₂ / H₂S & HP /HT)



P2 -Natural Gas Field Development and Environmental Issues

◆ Others topics

- **CO2- alternative use, IOR & EOR technologies**
- **Gas hydrates**
- **Gas flaring & Clean development mechanism**
- **Carbon capture & storage (CCS)**
 - **Potential in CCOP**
 - **CCS geological risks, appropriate technologies for assessment & monitoring**



P3 - Metadata on Natural Gas Resources in the CCOP Region

- ◆ **Objectives:** 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



P3 - Metadata on Natural Gas Resources in the CCOP Region

◆ Implementation

– Series of workshops on

- ☞ Requirements Analysis, metadata contents & definitions referring to international standard(s)**
- ☞ Database structure design & software development**
- ☞ Developing capacities for software usage**
- ☞ Population & validation of data base**

◆ Will collaborate with existing metadata work group in CCOP

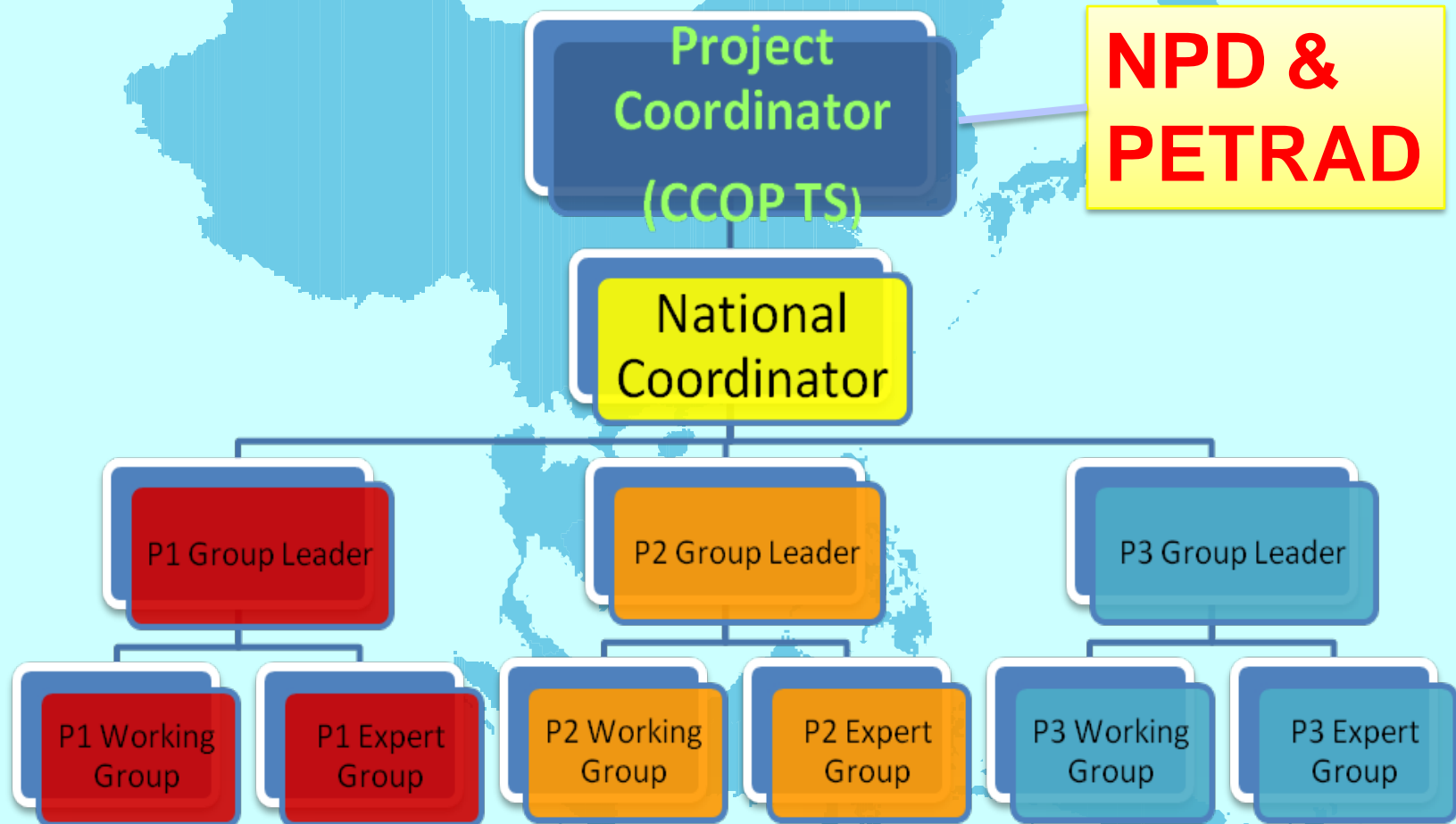


Building on Lessons Learned

- ◆ **Workshops** supporting the case studies
- ◆ **Cross-border** studies
- ◆ **workgroups** & expert groups
- ◆ **Website** for knowledge storage, information dissemination, networking, publication & promotion



EPPM Program – coordination setup



Coordination set up

- ◆ **WorkGroups – established in the MC**
 - multi-disciplinary, including local experts
 - would follow the progress of the Project activities
 - Would secure the data required for the technical activities
 - **A facility for knowledge sharing & use**
 - Led by a Group Leader



Coordination set up

◆ National Coordinators

- **Main contact person** in the MC- to work closely with the Proj Coordinator in the TS
- Can be one of the Workgroup Leader
- Responsible for the management of the WorkGroups & the facilitation of knowledge transfer/sharing

◆ ASCOPE & other NOC's and academic institutions are invited to participate in the Program





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Who's Online

We have 2 guests online

Calendar

November 1950
Sun Mon Tue Wed Thu Fri Sat

Counter

00001535
COUNTER STATS

Welcome To The EPPM Program Homepage

WEDNESDAY, 29 OCTOBER 2008 07:00

Here you will find all the latest information about the EPPM Program, the 3 Projects under the Program, the capacity building case studies & workshops under each Projects, the Dissemination Seminars, information about the recently conducted workshops as well as of past workshops/seminars, Upcoming Events, Frequently ask Questions and Answers, and a discussion forum with information on who is online. We have also added information & documents from the past Petroleum Policy Management Projects (PPM).

To return to the CCOP home page, just click on the CCOP Logo.

Recent Events

[S1: EPPM Program Launching Seminar, 9-10 October 2008, Bangkok, Thailand](#)



Group photo of the EPPM Launching Seminar



Partnership with Norway



Signing of the cooperation Agreements (10.10.08)

- **CCOP - NPD**
- **CCOP - PETRAD**



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Work plan for 2009

	O '08	N	D	J '09	F	M	A	M	J	J	A	S	O	N	D	
S	█														█	
P1								█			█					
P2						█						█				█
P3							█			█						

S- Seminars



Work plan for 2009

- ◆ **P1** - geology & tectonic setting, database, data correlation, fieldworks
- ◆ **P2** – CO₂ & CCS, CO₂- IOR & EOR, Puguang case study (H₂S & CO₂), Gas hydrates
- ◆ **P3** – MC metadata & standards, requirement analysis,, database structure & sw development, sw usage training





THANK YOU!

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