



CCOP

EPPM Program

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

Contents

- ◆ **EPPM Program- Planned activities for 2012**
- ◆ **New Initiatives & the Way Forward**



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**



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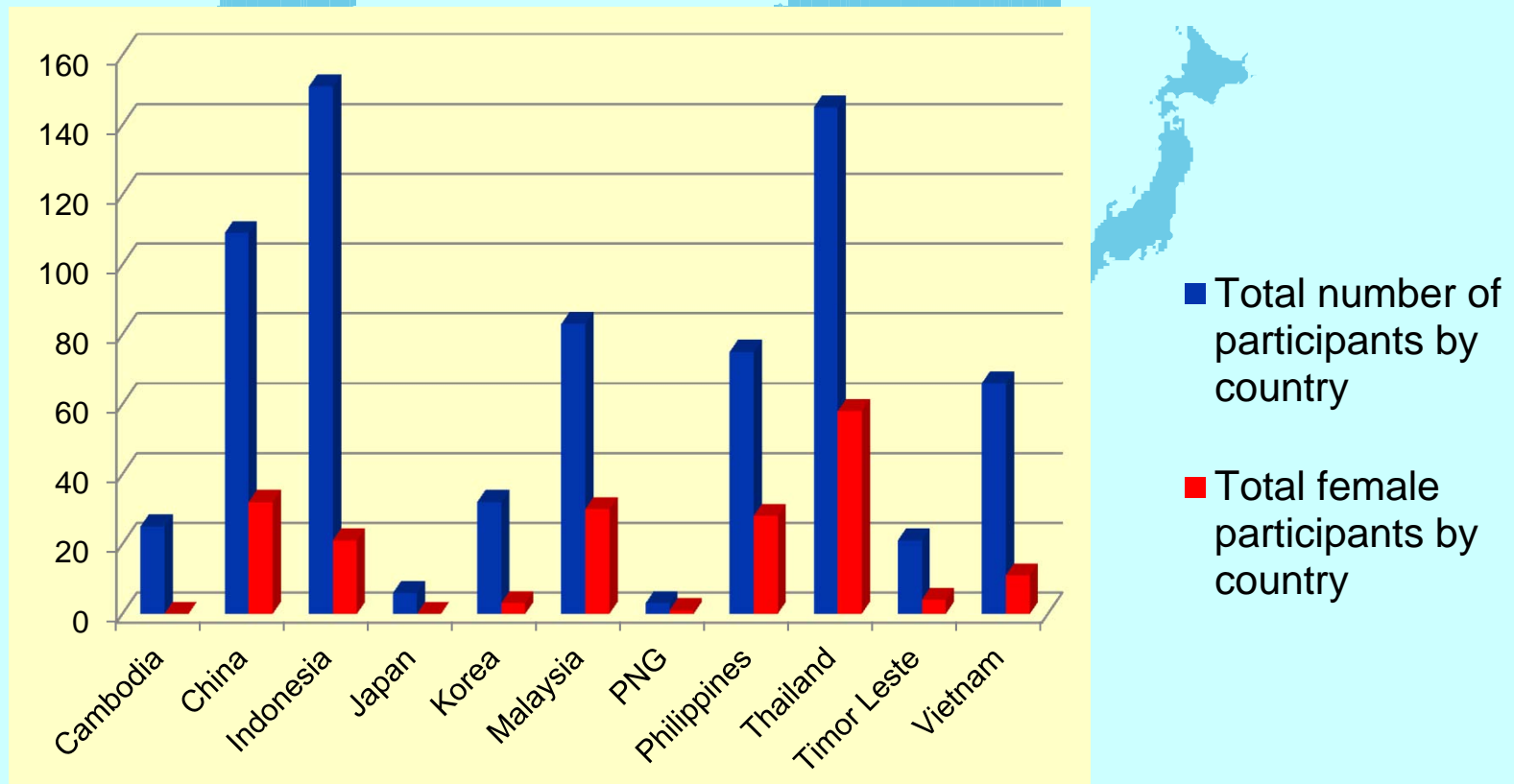
EPPM Program

◆ 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*



Participation in EPPM



- ◆ **792 participants**, as of end 2011
- ◆ **~30% female participants**



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Impact of EPPM

- **Enhanced the cooperation of Member Countries**
 - In-kind support: availability of local experts & willingness to host the technical activities
- **Formation of working groups to follow the technical activities**
 - Knowledge learned are disseminated through reporting and conduct of seminars in the participant's respective organization
- **Adoption of some concepts learned in basin assessment and exploration promotions**



Impact of EPPM

- **Greater awareness**
 - Impact of GHG to climate change & about CCS as one of the solutions for mitigations
 - Importance of data management to support research, regulatory functions, new initiatives, etc
- **Easier facilitation of new projects in the CCOP TS**



Plan for 2012

Activities	Jan-12	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CCOP-Norway Annual Mtg		8/BKK										
S4: UNFC		9-10/BKK										
P3- Training GIMS CA/LAO/TL/MYR			13-14/PHN									
P3W6			15-17/PHN									
P1W6					22-24/MY	→						
S5: Decommissioning						12-14/TH						
S6: Gas Devt & CCS								12-14/IN				
DS2: P1 Case Study											13-15/MY	
FINAL REPORT												



**Coordinating Committee for Geoscience
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EPPM Program S5:

Seminar/Workshop - How Should Governments manage the End of Concession Period and Decommissioning of Oil and Gas Installations?

- ◆ **Date & Venue: 12-14 June 2012, Bangkok**
- ◆ **Objectives:**
 - To enhance the knowledge of the CCOP Member Countries with the current state-of-the-art in managing end of oil and gas concession period and decommissioning of installations.
 - To disseminate the outcomes of the ASCOPE Decommissioning Guidelines project to the CCOP Countries.
- ◆ **Main Resource persons**
 - *Mr. Olav Fjellså & Dr. Brian Twomey*



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Welcome to the EPPM Program homepage

Here you will find the latest information about the CCOP - Norway Program for Enhancing Public Petroleum Management of the CCOP Member Countries (EPPM Program), the 3 Projects under the EPPM Program, the capacity building case studies and workshops under each Projects, dissemination seminars, information about the recently conducted Workshops as well as of past Workshops/Seminars and upcoming events.

The EPPM Program is a 4-year program commencing in July 2008 and is funded by the Norwegian Government to benefit the CCOP Member Countries. 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. For the implementation of the technical activities, CCOP partnered with the Norwegian International Programme for Petroleum Management and Administration (PETRAD) and Norwegian Petroleum Directorate (NPD).

CCOP - EPPM Program Activities for Y2012

January 05, 2012

[EPPM Program: Planned Activities for 2012](#)

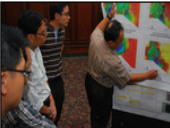
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Recent Publication

- [Feasibility Study of Networking Petroleum Geoscience Institutions in East and SE Asia \(FS Project\)](#)
- [Proceedings of the 40th CCOP Annual Session \(Part II\)](#)
- [CCOP Newsletter Vol 32 No. 3/4 \(July - Dec 2007\)](#)

P1W5: North Sumatra - Mergui Basin Case Study: Petroleum Play and Prospect Analysis, Yogyakarta, Indonesia

October 21, 2011



P1W5 is the 5th workshop under Project 1 (P1), *Petroleum Resource Management with focus on Natural Gas* of the EPPM Program and organized by the CCOP Technical Secretariat with the cooperation of LEMIGAS and Geological Agency, Indonesia. The objective is to continue with the basin analysis of North Sumatra - Mergui basin (cross-border case study) in order to have a better understanding of the big geologic picture of the basin to enhance geological interpretations and predictions - translating into higher drilling success rates. P1W5 focused on



**Coordinating Committee for Geoscience
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Project 1 (P1), Petroleum Resource Management with focus on Natural Gas

- ◆ **P1W6: North Sumatra – Mergui Basin Case Study: Risking of Petroleum Plays and Prospects, 4-7 September 2012, Sabah, Malaysia**



EPPM S6: CCS opportunities in the CCOP region

- ◆ **Date & venue: 12-14 Sep 2012, Bali**
- ◆ **Contents:**
 - **A case study on the CO2CRC CCS Pilot - from capture to geological storage (Otway Proj- Australia)**
 - ☞ **Project concept, design, screening, budget & implementation**
 - ☞ **Mechanism and dynamics of partnership**
 - **IEA- (1) evaluating CCS storage and (2) CCS in clean development mechanism**
 - **Update in storage of CO2 in gas hydrates**
 - **Overview of the CO2 Storage potential mapping Project in CCOP**



For the Future..

(1) CO₂ Storage potential mapping Project in CCOP

◆ Scope:

- safe storage of CO₂ and
- possible use of CO₂ for increased recovery



Why CCS?

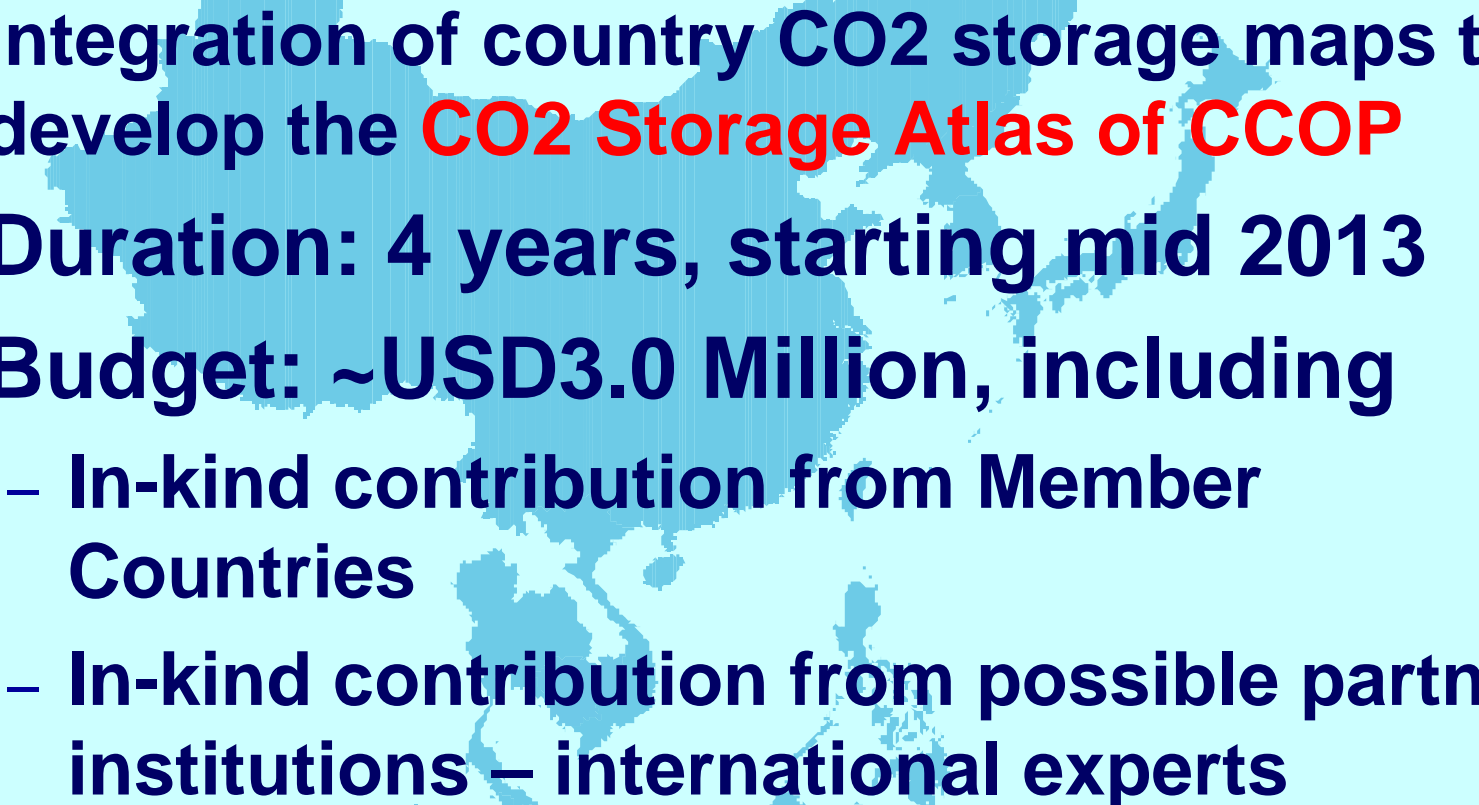
- ◆ By identifying geological formations with large CO₂ storage potential, the outcomes of the Project will provide the fundamental information that, combined with technology innovation, can help fossil-fueled facilities continue their essential energy role while reducing carbon pollution
- ◆ This Project can also help identify opportunities for EOR/EGR projects that can further increase O & G production, enhance energy security and support economic growth.
- ◆ Reduce GHG emissions – help in mitigating the impact of Climate change



◆ Contents

- **Case studies** – onshore & offshore CO2 Storage potential
- **Methodology & guidelines as Toolkits** - to initiate CO2 Storage potential Projects
- **CCS pilots** in the Member Countries
- Supported by workshops, expert visits and field works- including public awareness strategies



- 
- ◆ Integration of country CO₂ storage maps to develop the **CO₂ Storage Atlas of CCOP**
 - ◆ Duration: 4 years, starting mid 2013
 - ◆ Budget: ~USD3.0 Million, including
 - In-kind contribution from Member Countries
 - In-kind contribution from possible partner institutions – international experts



◆ Potential Fund / Technical Sources

- Member and Cooperating Countries who have existing projects related to CO₂ storage
- **Global CCS Institute (Australia)**- recently committed to provide AUD0.3 Million as facilitating fund
- **IEAGHG (UK)** – committed to provide resource persons on their own cost
- **ADB** – will share the outcome of their CCS –storage capacity building Projects

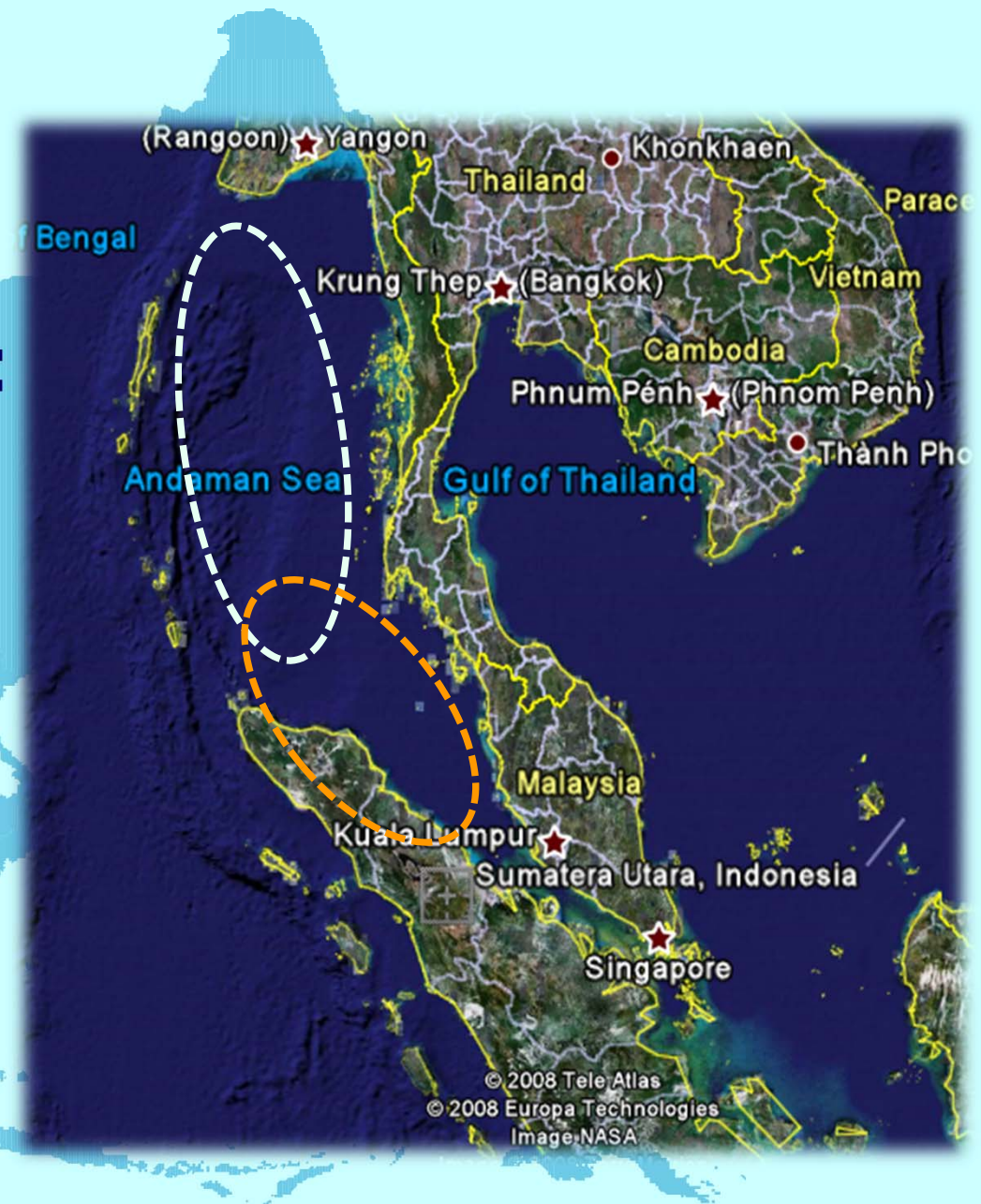


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- **APEC** – to share their CCS potential mapping project
 - ◆ **Norwegian Government through Embassy in Bangkok**
 - *Review of CCOP and EPPM Program is currently going-on*
 - ◆ **Other relevant organizations**



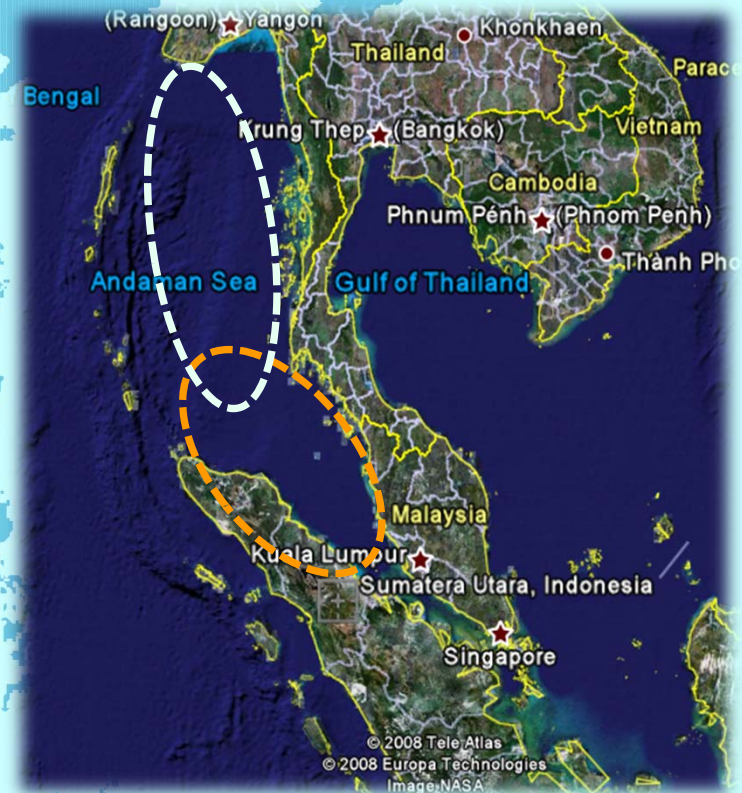
P1- *phase 2*

- ◆ **Cross-border**
Case study area:
North Sumatra –
Mergui basin
 - Indonesia,
Malaysia, Thailand
and *Myanmar*



P1- phase 2

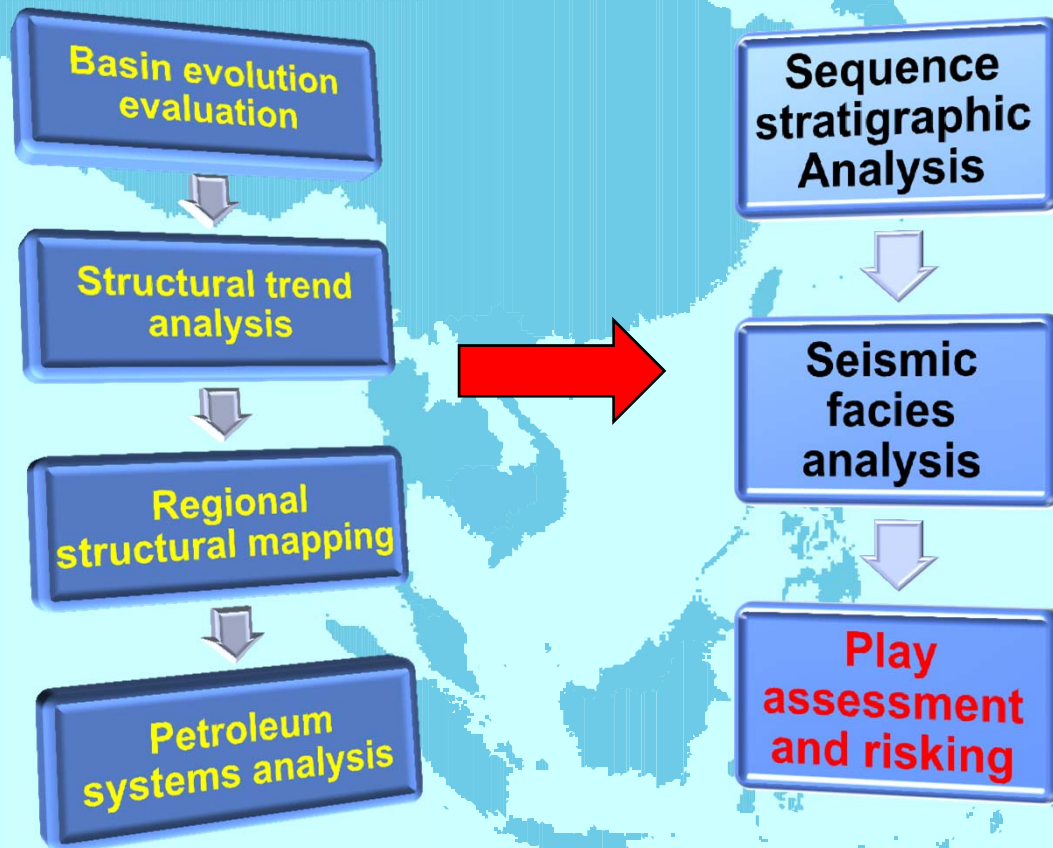
- ❖ Duration: 2 years, starting 2012
- ❖ Budget: ~USD 0.4 Million
- ❖ Activities: Cross-border case study, workshops, expert visits and field works.



P1 BASIN ANALYSIS WORKFLOW

Basin scale

Play scale



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THANK YOU!

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