

EPPM: Country Presentation Thailand



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Department of Mineral Fuels
Ministry of Energy

EPPM Annual Meeting
11- 12 November 2010





OUTLINE

- **Energy policy focused on environmental aspects**
- **Impact of EPPM Technical Activities**
- **Post – EPPM Program Recommendation**



Thailand's Energy Policy

Presented to the Parliament on Dec 30th 2008

Policy **1**

Securing Energy Resources

- Oil
- Natural Gas
- Electricity
- Alternative Energy



Policy **2**

Set Renewable Energy as National Agenda

- E85
- Ethanol based oil
- Bio Diesel
- NGV
- Wind /Solar / Biogas/ Biomass/ Small Hydro energy



Policy **3**

Encouraging Energy Conservation

- Conservation Measure
- Efficiency Standard
- Encouraging Private Investment

Policy **4**

Ensure Fair Energy Price

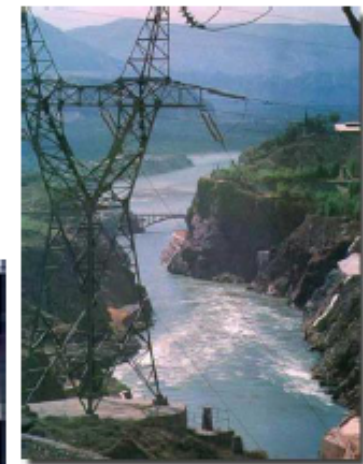
- Price structure reflect its genuine cost
- Develop Services Quality
- Safety in Energy Related business



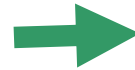
Policy **5**

Preserving Environment coupled with Energy Development and Consumption

- Green house Emission Reduction
- Support CDM Projects



Thailand's Energy Policy



Ministry of Energy's Strategy

5 Policy

**Preserving Environment
 coupled with Energy
 Development and
 Consumption**

**Provide Energy with
 Environmental Consideration**



- Reduction of green house gas emission
- Clean Development Mechanism
- Reduce carbon footprint in E&P
- Research and development of environmental friendly technology
- International cooperation knowledge exchange

DMF will promote E&P business along with prevent and minimize environmental impact from E&P activities

**Ministry
of
Energy**

Geological Storage Potential

Roadmap (Cooperation with ADB)

Feasibility Study



DMF will promote E&P business along with prevent and minimize environmental impact from E&P activities

- 1. Reduce GHG from E&P Industry especially flared gas by promoting flared gas utilization & CDM Project**
- 2. Zero discharge of produced water in Gulf of Thailand**



Enhancing Knowledge on Impact of GHG to Climate Change

- Post 2012 Regime from COP 15 (The 15th Conferences of the parties to the United Nations Framework Convention on Climate Change)

- COPENHAGEN ACCORD

- THAILAND (Non Annex I Country):

- ✓ National GHG Inventory

- ✓ Nationally Appropriate Mitigation Action (NAMA)

- ✓ MRV (Measurable, Reportable, Verifiable)

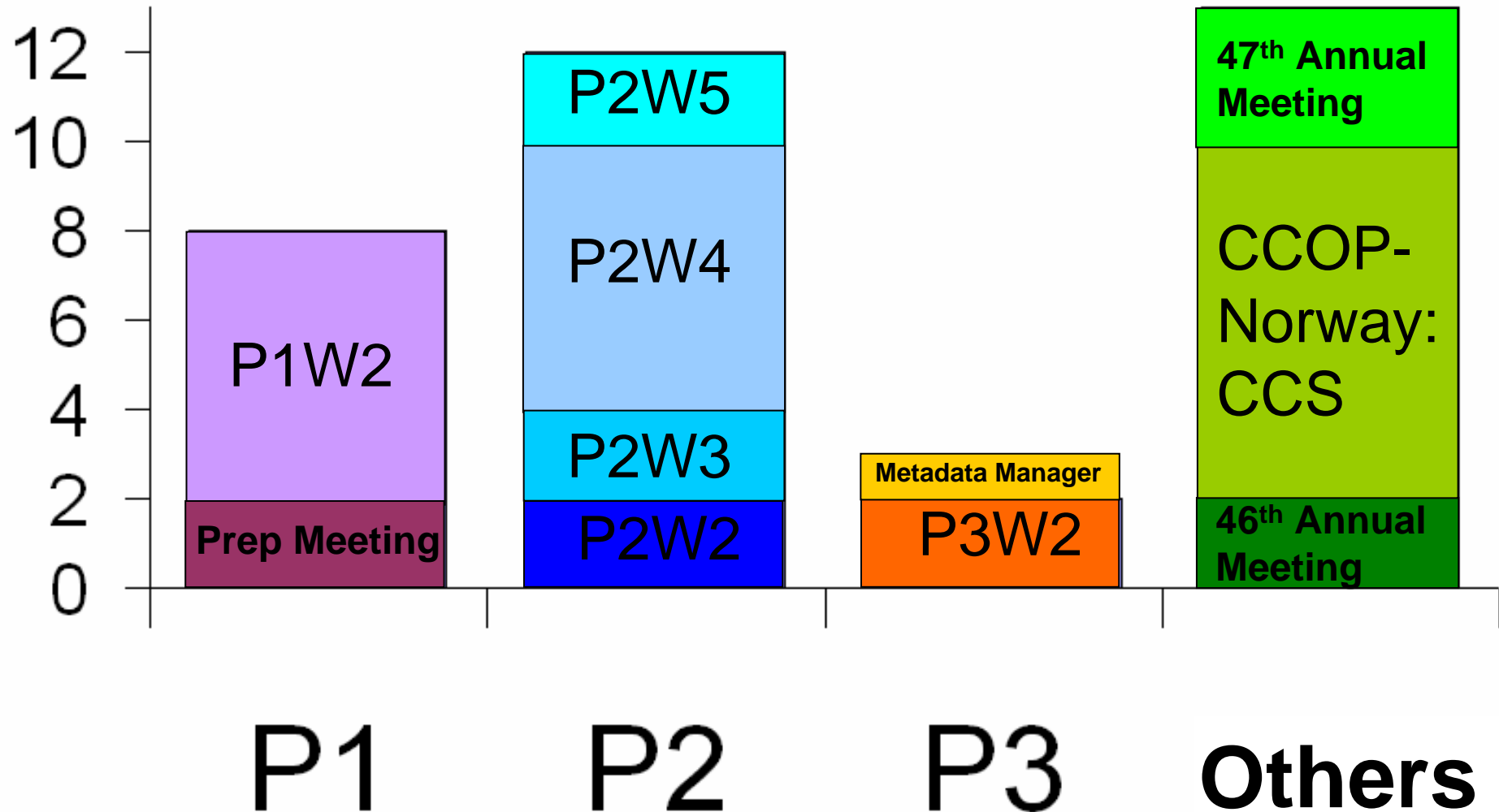
ONEP
TGO

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Participated Activities

36 participants from DMF



- **Summary Report** for each workshop to present to the Executive about workshop activities and key messages
- **Data & Presentation** from the workshops will load into the DMF shared server so DMF staffs have accesses to these files
- **Lunch Talk** : A semi – informal seminar to share the knowledge learn from workshops with DMF staffs



Improve Networking

Should increase the participation from government agencies and concessionaires

53 agencies

Government

Industries

NGOs

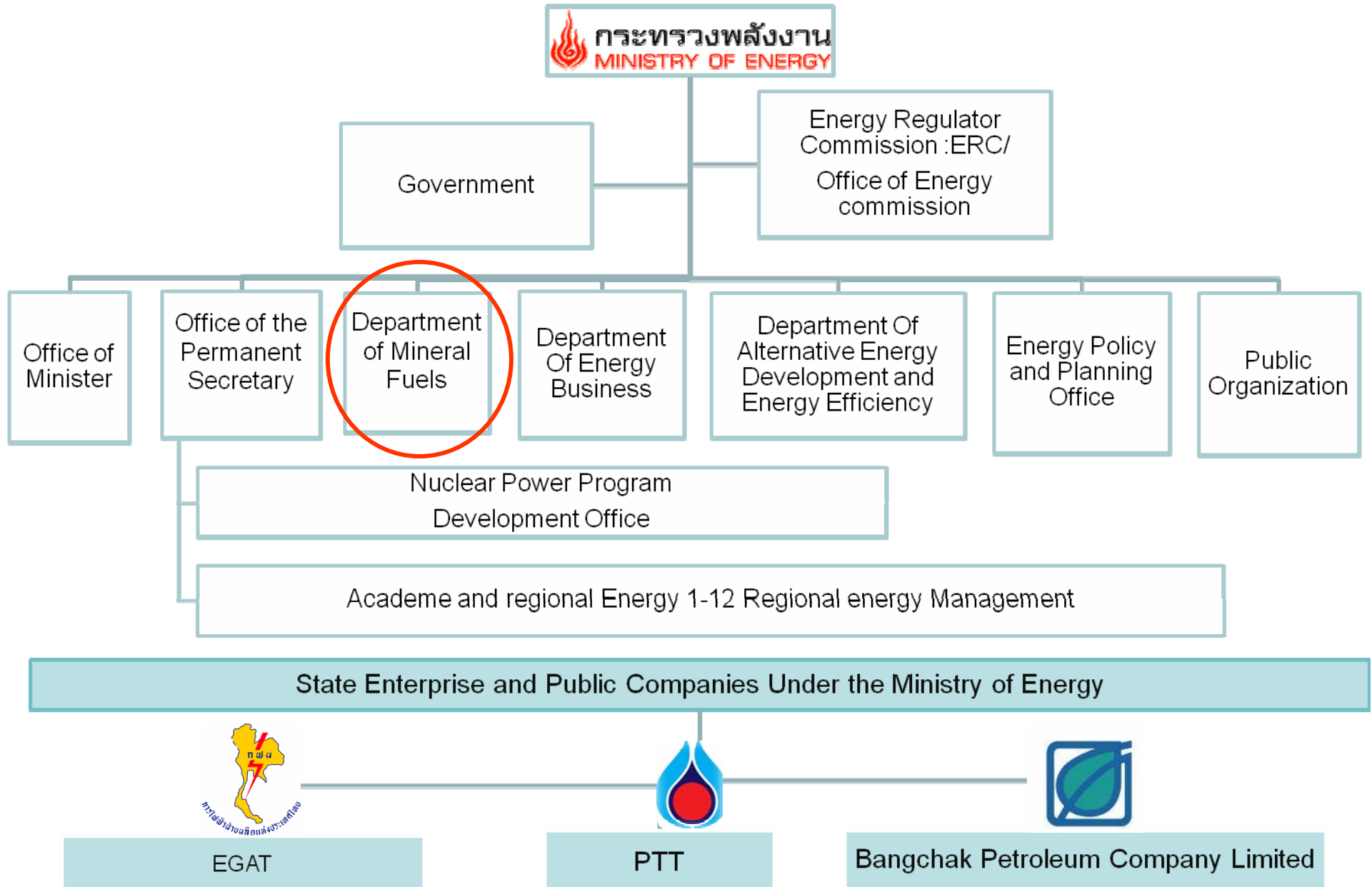
Universities

DMF is the National Hydrocarbon Executive Agent

Planning, promoting and monitoring in policy and management of upstream petroleum business in Thailand including Joint Developing Area and Overlapping Areas

Cooperating with other countries to encourage Thailand's E&P business





- **Technical Assistant & Possible funding on the CCS pilot project in the member countries**
 - **CO₂ capture for EOR project**
 - **High CO₂ content reservoir management**



THANK YOU



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Participated Activities

P1: Two Officials attended CCOP EPPM-P1: Meeting of Case Study Host Countries - Data Integration, 23-24 Feb 2010, Jakarta, Indonesia

Six officials attended CCOP EPPM-P1W2: North Sumatra-Mergui Basin Case Study: Basin Analysis & Technical Fieldwork, 27-30 Apr 2010, Medan, Indonesia.

P2: Two officials attended CCOP-EPPM P2 W2: Workshop on Natural Gas Field with High CO₂ and H₂S – a case study of the Puguang Gas Field in Sichuan Basin, China, 15-18 Sep 2009, Chengdu, China.

Two officials attended in CCOP-EPPM P2W3: Workshop on the use of CO₂ for EOR and IOR and Gas Hydrates as Potential Energy Source: with focus on storage into geological formations, HSE, CDM, & Flaring, 8-11 Dec 2009, Danang, Vietnam.

Six officials attended in CCOP- EPPM-P2W4: Workshop on Regulatory Framework for Carbon Capture & Storage (CCS): with focus on storage into geological formations, HSE, CDM, and Flaring, 29 Jun-1 Jul 2010, Phuket, Thailand.

Two officials attended in CCOP-EPPM-P2W5: Workshop on Mapping of CCS Potential Reservoir and Selection Criteria, 28 Sep – 1 Oct 2010, Bali, Indonesia

P3: Two officials attended CCOP EPPM P3W2: Workshop on metadata system development during 7-9 Oct 2009, Davao, Philippine.

Other CCOP Activities

- **Eight officials attended CCOP-Norway Program for Enhancing Public Petroleum Management for the CCOP Member Countries (EPPM): Seminar on Carbon Capture and Storage (CCS) Awareness and Regulation during 16-17 Nov 2009, Bangkok, Thailand.**
- **Two officials attended The 55th CCOP Steering Committee Meeting during 15-17 Mar 2010, Pusan, Korea.**
- **Three officials attended The 47th CCOP Annual Session and 56th Steering Committee Meeting during 17-23th Oct 2010, Manado, Indonesia.**