

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

EPPM P3 W1: Workshop on metadata standards & requirement analysis for the CCOP Natural Gas Database Metadata,

*In cooperation with CCOP Metadata Project Phase II (Workshop 2)*

*1 - 3 April 2009, Shanghai, People's Republic of China*

## Summary Report:



The workshop is the first activity under *Project 3 (P3), Metadata on Natural Gas Resources in the CCOP Region* of the EPPM Program and aims to discuss metadata standards that can be used for the CCOP natural gas metadata, existing metadata database in the CCOP Member Countries that is specific for petroleum data,

and requirement. A total of 31 participants from China, Cambodia, Indonesia, Japan, Korea, Malaysia, Philippines, Timor-Leste, Thailand and Vietnam attended the workshop. Mr. Kjell-Reidar Knudsen, metadata expert & Principal Engineer of the Norwegian Petroleum Directorate, also attended the workshop.

The distinguished guests during the opening ceremony were

1. DR. ZHANG HONGTAO - Permanent Representative of China to CCOP, Chief Geoscientist of the Ministry of Land and Resources & Deputy Director General of China Geological Survey
2. MR. MA YONGZHENG - Deputy Permanent Representative of China to CCOP, Division Director of the Department of International Cooperation, Science and Technology, Ministry of Land and Resources (MLR)
3. MR. DAI JINYE - Vice President, Exploration & Production Research Institute, SINOPEC
4. MR. KJELL-REIDAR KNUDSEN - NPD



The workshop participants include members of the CCOP (1<sup>st</sup>) metadata workgroup. This



particular workgroup is led & supported by China (CGS) and already in the final stage of developing a system for the CCOP geoscience metadata. The P3 group learned so much from this group - their experiences & expertise in metadata database development. In fact, during the workshop it was agreed that the P3 group would use the product of 1<sup>st</sup> workgroup as proto-type.

The country presentations followed the guidelines that were provided to all participants and focused on the following

- Background of Oil & Gas activity in the country
- Metadata standards & structure
  - Metadata elements used
  - Quality control
  - System & technologies
  - Data flow & access

In addition, Mr. Knudsen shared Norway's experiences related to metadata development & management- the DISKOS Project, outreach through internet technology with NPD Fact Pages/Maps, and others. Also presented are the various metadata standards used by the oil and gas industry.

The discussions on how to best move forward in P3 considered the following aspects:

1. Develop a simple and practical metadata Proto-type to test and create template for other MCs – use the product of the existing metadata workgroup in CCOP.
2. Related to item 1, the working group can look at the CCOP metadata standard developed by CGS and see if there can be any possible modification.
3. Compatibility - metadata standard developed by CCOP should be compatible to each country's standard as possible.
4. Building the P3 metadata - start with a simple set-up. Annual reports from each MC would be a good start for the data set. Initially to focus on the public sector & investors as user beneficiaries. This will be expanded later to capture more stakeholders. This exercise will make clear what is meant by metadata, and the collection of metadata gathered this way can be used for discussion in the next workshop about “search information”, challenges in selecting what information to include and if the existing CCOP geo-information metadata standard will be useful for oil & gas data.

5. There should be one server at the TS and accessible via internet (web-based like CGS) by all MCs.

A 1-day field trip around Shanghai was organized & sponsored by CGS for the participants of the workshop.

*Sim/7.4.09*