

**The Minutes of Meeting on Proposal and Discussion on
The Workshop on Marine Geoscience Capacity Building
and Geohazards Reduction and Prevention of
China-ASEAN-CCOP: A Training Seminar**

14- 23 August 2017, Guangzhou, Guangdong Province, P.R.China

Participants:

Chinese representatives: Mr. Ma Yongzheng, Dr. Wang Hongbin, Dr. Wang Liaoliang, Ms. Chen Xiaoying

CCOP representative: Dr. Adichat Surinkum

ASEAN representatives: Cambodia, Lao PDR, Malaysia, Myanmar, Thailand, Vietnam

Host: Mr. Ma Yongzheng

Contents

Dr Wang Hongbin presented brief introduction to Guangzhou Marine Geological Survey, China about the history of GMGS organization, management, achievement about Gas Hydrates and the new investigation vessels.

Dr. Wang Liaoliang presented the cooperation progress with the ASEAN country (Cambodia, Lao PDR, Malaysia, Myanmar, Thailand, Vietnam and CCOP) and proposal for future work and cooperation.

Based on the country reports and technical training reports, further discussion was made, regarding to the possibility of marine geoscience cooperation between China and ASEAN member countries, suggestions and ideas are as follows:

1. Capacity Building;

- ASEAN member states will maintain joint workshop and training course on Marine Geoscience in different countries and each country will participate in workshops via CCOP platform.
- CGS will continually organize training course on marine geoscience methodology and technology, to extend the training course about technology in other related the field such as seismic station observation and sea level change monitoring. Talent exchange and human resource development will also be the main content of future cooperation, such as training on the job for young geoscientists and experts exchange.

2. Further cooperation mode:

- CCOP will propose side meetings of marine geology topic to the Annual Meeting and/or Steering Committee Meeting in the future, in order to effectively implement cooperation with ASEAN states.
- The collaboration workshop will be detailed and determined in the near future according to the side discussion between CGS and ASEAN member states in the field of marine geoscience.
- The detailed aspects for the future cooperation in marine geoscience and geohazards reduction and prevention will be amended through the joint field work and MOU signing.

3. Cooperation with ASEAN member states:

- Cambodia: collaboration details including joint coastal geological survey, capacity building, and coastal scientific observatory had been further discussed. The earthquake monitoring station will be deployed in Seam Reap and Sihanoukville at the end of 2017.
- Lao PDR: to continue natural seismic observation and deep tectonics research.

- Malaysia: Based on the cooperation discussion with CGS in the field of marine geoscience and coastal geohazards monitoring, Malaysia will update the cooperation MOU between CGS and JMG when the two sides finalize cooperative items, at the end of this year during CCOP meeting or ASOMM meeting.
 - Myanmar: CGS will provide professional support for Yangon University Myanmar and geological survey to improve marine geoscience education. Joint scientific research in the coastal zone areas of Myanmar will be carried out. More geohazard reduction and prevention in the active fault zone should be highlighted and the future joint work in this field should be strengthened.
 - Thailand: further collaboration with GMGS and QIMG on environmental assessment of coastal zone and Geoscience Map compiling (land and sea).
 - Vietnam: to continue on cooperative study of Holocene Sedimentary Evolution of the Yangtze River Delta and the Red River Delta 2015 -2017 and Marine geological survey in Songhong-Yinggehai Basin.
 - All ASEAN member states are invited to visit the Qingdao Institute of Marine Geology, Qingdao, China in order to have more opportunity to discuss and cooperation in Marine Geological Survey.
4. CGS proposed to have collaboration in South China Sea on tectonic evolution and suggested that ASEAN member states all welcome to join and the implement stage of this tectonic project will be put into the detail on cooperation content.
5. The meeting agreed that, due to the marine geoscience research work


have been done by each country separately; data sharing and exchange are encouraged for better understanding in the aspect of the coastal zone geological mapping. It is also recommended that ASEAN member states could join in the cooperation voluntarily.

6. The meeting agreed that Ocean drilling program will be extended into the future cooperation.
7. The meeting agreed that the advances geological and geophysical map compilation should be published in the near future.
8. The meeting agreed that the transboundary geoscience program will be implemented under CCOP platform. ASEAN member states who share the same interest will formulate the working team in a specific topic and transboundary area for further collaboration under CGS/ CCOP platform.

The Minutes of Meeting was signed by:



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Mr. Wang Liaoliang, Project Leader, Guangzhou Marine Geological Survey (GMGS), China




Mr. Sophea Tim, the General Department of Petroleum (GDP), Department of Petroleum Exploration, Cambodia



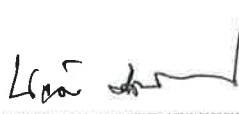
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