



กรมเชื้อเพลิงธรรมชาติ  
กระทรวงพลังงาน

# Call for Papers

**Thematic Session**  
**at the 55<sup>th</sup> CCOP Annual Session**



**Geosciences for  
Sustainable  
Development**

**Tuesday, 5 November, 2019**  
**Kantary Hills Hotel,**  
**Chiang Mai, Thailand**

**Organized by**

Ministry of Natural Resources and Environment  
Department of Mineral Resources  
Department of Groundwater Resources  
Department of Marine and Coastal Resources  
Department of Mineral Fuels  
Department of Primary Industries and Mines  
Coordinating Committee for Geoscience  
Programmes in East and Southeast Asia



# Objectives



In recent years, Urbanization and population growth rapidly which leads to greater demand of geological resources, such as mineral, groundwater, fossil energy resources, and to the increasing risk of natural disasters. Hence, it requires urgent action to secure the future of our global society.

We are well aware that such threats are related to geological process and we cannot respond effectively to any of these threats. Raising public awareness on the importance of the geosciences is a tool for the sustainable management of our resources and environment, in particular the collaboration among geoscientists, the public and the policy-makers.

The Department of Mineral Resources, Ministry of Natural Resources and Environment of Thailand, and the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP), in collaboration with the Department of Groundwater Resources, Department of Marine and Coastal Resources, Department of Mineral Fuel and Department of Primary Industries and Mines organized the Thematic Session of the 55<sup>th</sup> CCOP Annual Session with the theme, **“GEOSCIENCES FOR SUSTAINABLE DEVELOPMENT”** in order to draw attention to the major role of the geosciences which can play in helping for sustainable developments on Geological Resources by providing geo-scientific knowledges and guidance to all stakeholders of the society.



The Session provides an opportunity for delegates from CCOP Member Countries, Cooperating Countries and Organizations and the academic to share the knowledge and expertise on geosciences, and raise awareness of its relevance to some of today’s most pressing societal concerns, in particular securing geological resources for the world’s emerging and developing economies. These can lead to manage the resources in the sustainable and equitable way by requiring knowledge of surrounding geology and a clear focus on sustainable development, involving economic, environmental, land use planning and social aspects. Environmental monitoring, hazard-risk evaluation and communication with relevant stakeholders of society are also key issues.



## **1** | **GEO-RESOURCES FOR THE SOCIETY: MINERAL, GROUNDWATER, FOSSIL FUEL RESOURCES AND GEOLOGICAL CONSERVATION SITES.**

Mineral, groundwater and fossil energy resources are vital raw materials for the world's emerging and expanding economies. To manage these resources in the sustainable and equitable manner properly requires knowledge about the overall geology and a clear focus on sustainable development tracks involving economic, environmental, and social aspects. Development of new resource exploration and extraction technologies, sharing of information, transfer of knowledge and technology, international cooperation, communication with relevant stakeholders are key issues to respond to the current geo-resource issues.

## **2** | **GEO-ENVIRONMENTS FOR THE SOCIETY: CLIMATE CHANGES, GLOBAL WARMING, NATURAL DISASTERS, AND LAND-USE PLANNING**

There is overwhelming scientific consensus that the global climate has been changing and the earth is warming up. The events are the greatest threats facing the planet. The impact of such geological hazards on our lives and economy is tremendous, and will persist through time. How can geoscientists/geoscience organizations work together to provide reliable knowledge and information as well as good advice to the public for living in harmony with the nature with more resilience. Development of new technologies, such as environmental monitoring, hazard-risk evaluation and communication with relevant stakeholders of society are key issues.

## **3** | **GEO-EDUCATION FOR THE SOCIETY: GEO-PARK and GEO-TOURISM.**

Geo-education is the learning about our world in which will provide younger generation with fundamental understanding on how the human and natural worlds work in harmonizing at local, regional and global scales. It is expected to prepare people for making important decision about resources and the challenges that they will face with globalization, community development, geohazard threats and depletion of natural resources.

In recent years, Geo-Education has become an important emerging issue on geoscience-related development, The failure of such projects are often caused by misunderstanding or inadequate knowledge or information among major stakeholders, i.e., local communities, NGOs and investors. In addition, one of the most critical but often neglected factors in developing a national geoscience-related policy is that general public which is the majority of the society should be provided advice, assistance, support together with the long term Geo-education. Apart from the fundamental curriculum in the school and knowledge dissemination through geoscience agencies, geo-park and geo-tourism are among the interesting tools in public Geo-education.



# Submission Guideline

All manuscripts should be submitted to the contact points of DMR and/or CCOP Technical Secretariat in electronic form indicating author and using MS Word program. Illustrations and pictures should be provided with full captions. The full papers are recommended not to exceed 10 pages in A4 size including figures, tables, plates, etc. The manuscripts are recommended to use font Time New Roman 12, line spacing 1.5.

It would be highly appreciated if the technical papers and posters for the thematic session could be sent to the contact points on the following time limit to facilitate preparation for the Session.



- Submission of provisional title and abstract of paper (1 page)  
: **before 15 September 2019**
- Submission of full manuscripts (recommended not more than 10 A4 pages)  
: **before 30 September 2019**
- Submission of posters (80 cm X 110 cm)  
: **30 September 2019**

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