

# CCOP-VIETADAPT-SEADPRI Workshop on "Geoscience supporting risk management, water and food security"

*30th of October 2016, The Berkeley Hotel Pratunam, Bangkok, Thailand*

**Organized by GTK, SEADPRI & CCOP**

## **Introduction / Background**

Land development, urban sprawl and an overall increasing population pose emerging challenges to secure food production and safeguarding of water resources. The sustainable management of natural resources and related risk management requires interdisciplinary scientific cooperation, as well as a strong involvement and commitment of local stakeholders and decision makers. Meanwhile many natural resources and food production are potentially impacted by climate change they are certainly affected by socio-economic development. Several studies have shown that the anthropogenic impact on natural resources (i.e. water) and agriculture (i.e. soils) is often much stronger than the one of climate change. Soil and water resources, both in quantities and qualities, should therefore be analyzed under different climate change and socio-economic development scenarios. In this way it is possible to estimate future developments and related risks. The development of different scenarios for appropriate resource management support the communication between scientists, local stakeholders and decision makers.

This workshop presents the results of some ongoing projects that have assessed such risks to natural and agricultural resources. The applied modelling and assessments and methodologies are explained in the presentations – with the aim to trigger constructive discussions. The goal of the workshop is to identify possibilities for geosciences to support South and South-East Asian societies in safeguarding water and food resources.

# ORGANISERS

The Workshop is jointly organized by the Geological Survey of Finland (GTK), the Southeast Asia Disaster Prevention Initiative of Universiti Kebangsaan Malaysia (SEADPRI-UKM), the Sub-Institute of Hydro-Meteorology and Climate Change, Vietnam (SIHYMECC), the Centre for Water Resources Warning and Forecasting, Vietnam (CEWAFO), Asian Network on Climate Science and Technology (ANCST) and the CCOP Technical Secretariat, in conjunction with the 50th CCOP Annual Session, held from 30 October to 3 November 2016 in Bangkok, Thailand.

## TENTATIVE PROGRAMME

The half-day Workshop on 30 October 2016 will focus on exchange of methodologies and technologies to further water management and sustainable development in the CCOP area. Presentations will be under three main topics:

Topic 1) Geoscience and food security – examples and further ideas;

Topic 2) Vulnerability analyses for water supply;

Topic 3) Climate change adaptation for risk and water resources management.

Topic 4) Climate change risks and resilience

After each topic, a discussion among CCOP member countries will be triggered with the goal to identify common problems and potentially new project opportunities.

The tentative programme is as follows:

11.30– 12.00: Registration

12.00 – 13.30 Networking & Lunch

13.30 – 14.00: Official Opening

Group photo

14.00 – 14.15: Introductory Remarks by *Dr Schmidt-Thome Philipp (GTK)*

14-15 – (Topic Presentation & Discussion)

- Topic 1: Introduction to climate science research network - Asian Network on Climate Science and Technology (ANCST) by *Dato' Yunus Abd Razak & Lim C.S (SEADPRI)*
- Topic 1: The impacts of climate change on food security in Vietnam by *Pham Thanh Long (SIHYMECC)*

- Topic 2: The possibilities for using managed artificial aquifer recharge by *Jaana Jarva (GTK)*

15.15 – 15.45: Coffee Break

- Topic 3: Climate change and sustainable water management by *Nguyen Thi Ha (CEWAFO)*
- Topic 4: Climate-induced disaster risk and resilience – Dr Fashareena Mohamad & Lim C.S (SEADPRI)
- Topic 5 & 6: tbc

16.45 – 17.30: General Discussion & Wrap-ups

17.30 – 17.45: Closing

## FACILITATORS

**Philipp Schmidt-Thomé** is the Head of International Cooperation at the Geological Survey of Finland (GTK). He is trained as a Geographer (MSc) and holds a PhD in Geology. He is an Adjunct Professor at the Universities of Helsinki (Finland) and Alicante (Spain) and an appointed visiting fellow to the Southeast Asia Disaster Prevention Research Initiative, Universiti Kebangsaan Malaysia. His recent project work has focused on integrating natural hazards, climate change and risks into land-use planning practices.



**Jaana Jarva** is an environmental geologist (MSc) at the Geological Survey of Finland (GTK). She is specialized in the fields of environmental and urban geology, geochemistry, land use planning, geological risk assessment and climate change adaptation. She has worked as a project manager in several European research and regional development projects, as well as in national and international research and consulting assignments. She is currently finalizing her PhD thesis on urban geochemistry at the University of Turku.



**Kamaludin bin Hassan** is the Regional Expert at the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP). He is a geologist, palynologist (MSc) and holds a PhD in Quaternary Environmental Change. He was with the Minerals & Geoscience Department Malaysia (JMG Malaysia), and has been the State as well as the Technical Services Division Director's, prior to joining the CCOP Technical Secretariat (CCOPTS), in August 2016. His interests are in Climate Change and to inculcate geoscience awareness to the international communities.



**Dato' Yunus Abd Razak** is a registered professional geologist with an MSc in engineering geology from the University of London. He served for over 36 years in the Minerals and Geoscience Department (JMG) and became its longest serving Director-General. During his tenure, he helped enact the Geologists Act 2008 and was appointed first Chairman of the Board of Geologists, a post which he still holds today. He was appointed as Associate Fellow for Southeast Asia Disaster Prevention Research Initiative, Universiti Kebangsaan Malaysia.



**Nurfashareena Muhamad** is a researcher (PhD) in Universiti Kebangsaan Malaysia's Southeast Asia Disaster Prevention Research Initiative (SEADPRI-UKM). With her research's interests and experiences in the field of Geographic Information System (GIS), Remote Sensing, and Disaster Risk Reduction, she focuses on optimizing the use of geospatial technology in landuse planning and development to reduce the risk of disasters in supporting the decision-making processes. She recently been working on integrated disaster mapping which incorporate the social aspect and linking it with physical parameters for effective and holistic decision-making input.



**Lim Choun-Sian** is a Senior Research Officer at the Centre for Southeast Asia Disaster Prevention Research (SEADPRI-UKM), Universiti Kebangsaan Malaysia. A geologist by training and specialising in engineering geology, geological-hazard risk assessment and application GIS. He obtained his (MSc) in Environment; Development, and (BSc) in Engineering Geology. He has worked on research projects, training courses and consults related to landslide, flood and earthquake-tsunami hazards, disaster risk reduction management and application of remote sensing/GIS for hazard-related environmental and policy planning. He is currently finalizing his PhD thesis on man-induced landslides vs large scale landslides.



# REGISTRATION & FURTHER INFORMATION

Interested parties will have to register their intent to participate with the CCOP Technical Secretariat <[ccopts@ccop.or.th](mailto:ccopts@ccop.or.th)> and registration for presentation will be on a first-come-first served basis due to limited space. A tentative program is attached for your information. To register, please fill-in the registration form in the attached document on or before **14 October 2016** and send to the CCOP Technical Secretariat <[ccopts@ccop.or.th](mailto:ccopts@ccop.or.th)>, together with abstract of presentation. Further information can be obtained from:

## **Dr. Kamaludin bin Hassan**

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# OFFICIAL REGISTRATION FORM

CCOP-GTK Workshop on

"Geoscience supporting risk management, water and food security"

30th of October 2016, The Berkeley Hotel Pratunam, Bangkok, Thailand

Deadline for participants registration: **14 October 2016**

Please return completed registration form to:

[kamaludin@ccop.or.th](mailto:kamaludin@ccop.or.th) and cc to [ccopts@ccop.or.th](mailto:ccopts@ccop.or.th)

Fax No.: +66-2-644-5429

## Contact information:

Name: .....

Title (Prof./ Dr./ Mr./ s.) : .....

Job title/Position: .....

Name of your  
Organization: .....

.....

Work phone: .....

Email: .....



GEOLOGICAL SURVEY OF FINLAND  
[www.gtk.fi](http://www.gtk.fi)





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"Geoscience supporting risk management, water and food security"  
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The Berkeley Hotel Pratunam, Bangkok, Thailand**

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## NOTE FOR INFORMATION

**Venue / Accommodation:** The Berkeley Hotel Pratunam

**Address:** 559 Ratchaprarop Rd, Makkasan,  
Ratchathewi, Bangkok 10400, Thailand  
Tel: ( 66 2 ) 309-9999/ Fax: ( 66 2 ) 309-9900  
E-mail: [info@berkeleyhotel.co.th](mailto:info@berkeleyhotel.co.th)

**Website:** <http://www.berkeleypratunam.com/>

<b>Room type:</b>	Premier Room (Single/Twin)	THB 2,500 net/room/night (BF incl.)
	Luxury Room (Single/Twin)	THB 2,500 net/room/night (BF incl.)
	<i>*(First-come, first-served)</i>	
	Upgrade Luxury Suite	THB 3,000 nett/room/night (BF incl.)

**General Privileges and Benefits:**

- Welcome drink and cold towel upon arrival
- Daily buffet breakfast Restaurant
- Coffee & Tea making facilities in room
- Two bottles of drinking water in room
- Complimentary usage of facilities such as gymnasium, steam, sauna, Jacuzzi and swimming pool
- Complimentary internet access in room and selected resort areas

**Accommodations** will be reserved according to the arrival and departure date, or depending on special requests. The accommodation settlement is on individual account.

**The cancellation fee for no show MUST be paid by each registered participant/company and is NOT the responsibility of the organizer.**

Any consumption from the mini bar will be charged to guest's account.

**MEETING ROOMS:**

Sun 30 Oct (11.30-17:45) CCOP-VIETADAPT-SEADPRI Workshop on  
"Geoscience Supporting Risk Management, Water and Food Security",  
Meeting room, Board Room 1, 11<sup>th</sup> floor (TBC)

**Note:** Buffet lunch at The Mulberry Multi-Cuisine Restaurant (TBC)

**MESSAGES/COMMUNICATION:**

Messages received during the meeting shall be notified at the Registration Desk. Delegates are advised to **switch off** (or) **put on silent mode** on mobile phones in the function room whilst the session is in progress.

**ENTRY REQUIREMENT TO & WITHIN BANGKOK:**

A valid passport is required for all persons entering BANGKOK, 'Passports must be valid for at least 6 months. The Official Invitation Letter can be provided to those who required to obtain entry visa to Bangkok before travelling (upon request). Alternatively, you can also apply visa on arrival at Bangkok International Airport.'

**FOREIGN EXCHANGE:** Exchange Rate: USD 1.0 equivalent to Thai baht (THB) 35. - (as of September 2016). Exchange of foreign currency can be done at local banks, money changers and hotels.

**CLIMATE IN BANGKOK:** October is a rainy month in Bangkok. Temperature may ranges between 27°C to 35°C during the day.

**FOR MORE INFORMATION / INQUIRES, PLEASE CONTACT:**

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