

Expert Workshop on

“Managing Water Resources under Climate Uncertainty: Challenges and Opportunities”

17 - 18 October 2013
Bangkok, Thailand

Overview

The availability of clean water is a major global challenge for the future due to a rapidly growing population and urbanization where further stress in water resources is expected due to the impact of climate change. The wide range of impacts include change in hydrology, moisture availability, spatial and temporal variations in magnitude of stream flow, dwindling of water levels with adverse effect on wetlands and ecosystem etc. As a consequence of this, water management has become a serious issue and identified as a global societal challenge. Climate change forecasting is one of the key issues in recent research on sustainable water resources management. Several studies in climate change forecasting have been conducted at global scale with the reference of Global Circulation Models (GCMs). Many aspects of climate variations and their impact on water resources have been presented and discussed in different seminars and conferences. While addressing the issues on climate change, researchers and policymakers face various sources of uncertainty that makes the future prediction of climate change, one of the toughest problems in climate change impact studies. Significant uncertainties are present in forecasting the trend of hydrological variables because of large regional differences, and limitations in the spatial and temporal resolution of data. The wide range of uncertainty creates hindrance in formulating effective policies for mitigation and adaptation to climate change. Hence it is important to know how these uncertainties are addressed in climate projection and impact studies. Similarly it is vital to understand whether the ensembles of current climate prediction system are useful for the purpose of decision making and long term planning. This workshop aims to come up with views to address the queries of planners, policymakers and general people for water resources management under uncertainty of climate change and some case studies with successful adaptive measures to change the challenge of climate change into opportunities.

Topics

1. Climate change and impact on water sector
2. Uncertainties associated with climate prediction and impact assessment
3. Management of water under current climate variability and uncertainty
4. Adapting water management to climate change



The workshop is organized by Asian Institute of Technology (AIT), one of the partners in SEA-EU-NET II project. AIT has been promoting technological change and sustainable development in the Asian-Pacific region through higher education, research and outreach. Established in Bangkok in 1959, AIT has become a leading regional postgraduate institution and is actively working with public and private sector partners throughout the region and with some of the top universities in the world.

SEA-EU-NET II aims to strengthen bi-regional EU-ASEAN Science and Technology Cooperation through coordination and support actions targeted towards the three major societal challenges, namely; Water management; Health; Food security and safety. AIT is leading a component of 'Water Management' with an objective to create network of different stakeholders in order to strengthen the research capacity and to build a platform towards the better system in managing water resources and to respond specifically towards different stakeholder.

Tentative Schedule

Day 1 (17 Oct 2013)	
Time	Activity
8:30 – 8:45	Registration
8:45 - 9:30	Welcome Remarks / Key note speech (Invited Speaker) / Group Photo
	9:30 – 9:50 (Coffee Break)
9:50 – 11:30	Climate change and impact on water sector ; Plenary lecture + Presentations
11:30 - 12:00	Poster Presentation / Interaction
	12:00 - 13:00 (Lunch Break)
13:00 – 14:40	Uncertainties associated with climate prediction and impact assessment ; Plenary lecture + Presentations
	14:40 - 15:00 (Coffee Break)
15:00 – 16:40	Management of water under current climate variability and uncertainty ; Plenary lecture + Presentations
Day 2 (18 Oct 2013)	
8:30 – 10:10	Adapting water management to climate change ; Plenary lecture + Presentations
	10:10 - 10:30 (Coffee Break)
10:30 – 11:30	Panel Discussion
11:30 – 12:00	Closing remarks (Invited Speaker)

The workshop will consist of keynote speeches, paper and poster presentations, and panel discussions. The keynote speeches will be delivered by water resources and climate science experts from Europe and South East Asia.

Target Audience

Experts from water resources, climate science and environment science, Post-doc researchers, Senior research scientists, Planners and policy makers from ministries, PhD students with an engineering and scientific knowledge with research focus on Water resources sector in South East Asia.

Number of participants: Expected number of participants is 40

Application: The applicants should apply through the link below and submit their Resume to the email sea.eu.net2013@gmail.com ; the selected applicants have to send full paper.

Abstract submission deadline: 10 August 2013

Application Link: www.goo.gl/VaH17

Venue:

Windsor Suites Hotel

8-10 Sukhumvit Soi 18-20, Sukhumvit Road, Klongtoey, Bangkok 10110, Thailand
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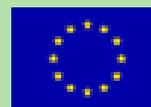
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