Target Group

»» Expert scientists from EU and ASEAN countries

»» Decision and policy makers in the field of DRM/flood protection, drought management, water management from South East Asian countries

»» International governance experts and NGOs

»» Junior scientists and professionals working in the area of DRM in SEA

Call for Abstracts

Young scientists are welcome to submit abstracts on the above mentioned key topics. Please submit the abstracts until 31.07.2012 to:

mario.gelhard@fh-koeln.de

Abstracts should be maximum 300 words.

Each entry should incorporate the following information:

»» Author's full name, Title, Position

»» Institution – Address for correspondence–

»» Theme of the paper (see symposiums key topics), indicating a first and second choice – Title of the paper – Abstract of the paper.

The authors of two best abstracts will be rewarded with the travelling and costs to the symposium and the free entry to the

Dak Mi 4 Hydropower Reservoir, Vietnam, (ITT)

General Information

Venue and Date:
University of Battambang
National Rd. No 5, Sangkat Preaek Sdach
Battambang Town, Cambodia
10th - 14th September 2012

Organizers:
Institut for Technology and Resources Management in the Tropics and Subtropics ITT - Cologne University of Applied Sciences

University of Battambang, Battambang Town, Cambodia

ITT

Fachhochschule Köln
Cologne University of Applied Sciences

Contact:
Mario Gelhard
Betzdorfer Straße 2
50937 Cologne
Tel. + 49 221 8275-2623
Fax + 49 221 8275-2736
mario.gelhard@fh-koeln.de

Regional Training Centre for Natural Resources and Development - RTC
http://rtc-nrm.web.fh-koeln.de/

The official language of the symposium and the training course is English

The symposium and the training is supported by

ASEAN-EU
Year of Science, Technology & Innovation 2012

Internationales Büro des BMBF

CNRD Center for Natural Resources and Development

exceed

DAAD Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

Federal Ministry for Economic Cooperation and Development

Water_Dwelling_Tonle_Sap_Cambodia (www.treehuger.com)

International expert symposium and training course

Coping with hydro-meteorological extremes in South East Asia with focus on the Mekong River Basin

10th – 14th September 2012
University of Battambang

RTC

Continuing Education for Development.

Background

Extreme climatic events such as storms and severe droughts are expected to increase in many regions worldwide according to global climate scenarios as published by IPCC. South East Asia traditionally belongs to the most affected regions by extreme climatic events occuring regularly and resulting in disasters causing the loss of hundreds of thousands of lives each year and costs of billions of dollars. On the other hand, fast socioeconomic development and demographic growth have increased the vulnerability of livelihoods and physical infrastructure to hydro-meteorological hazards. The recently published IPCC-SREX report *„Managing the risks of extreme events and disasters to advance climate change adaptation"* highlights the need to improve the management of disaster risks and to develop effective adaptation strategies to this changing environment.

The international symposium and training course ***Coping with hydro-meteorological extremes*** has the objective to contribute to this emerging challenge by bringing together the expertise of scientists, policy makers and professionals to develop approaches for interdisciplinary research towards an effective risk assessment and management.

Different aspects of DRM will be looked at considering governance, socio-economical, natural sciences and technical issues such as improving hydro-meteorological monitoring and alert systems, statistical probability analysis for the occurrence of climatic extremes, impacts of hydropower development and its management, methods for vulnerability assessments, prevention and management of disasters and the role of (transboundary) river basin management (in the Mekong region) for disaster risk management.

The recent severe floods in the end of 2011 in Thailand, Cambodia and Vietnam will serve as a case study to investigate the reasons for the severity of these disasters and conclude necessary action.

Affected people of 2011 flooding, (Credit UBB)

Objectives

The symposium has the following objectives:

- To foster the dialogue between science, policy, public and private sector regarding the causes and effects of climate driven risks especially in South East Asia
- Formulation of research demand and need for action in the field of DRM in the region
- Development of a joint interdisciplinary project proposal for the region (FP 7 and HORIZON 2020)
- Improvement of regional cooperation and networking between
  - a) Europe and South East Asia;
  - b) Among South East Asian countries (transboundary); and
  - c) Science and the private sector
- Compilation of donor requirements and funding options for DRM
- Training and support of young scientists and experts

Key topics

1. Regional climate scenarios and probability assessment concerning the occurrence of climatic extremes and hazards
2. Human impacts on disasters: e.g. reservoir / hydropower development and land use changes.
3. Monitoring and development of alert systems
4. Methods for vulnerability assessment
5. DRM: Prevention, preparedness and mitigation of disasters
6. The role of (transboundary) river basin management for disaster disk management
7. Learning from the disasters in 2011 – case studies

Tailwater of Dak Mi 4 Hydropower Reservoir, Vietnam, (ITT)

Tentative Programme

	Monday	Tuesday	Wednesday	Thursday	Friday
Symposium	Opening	Input presentations from science and policy	Field Trip to sites affected by floods 2011 around Tonle Sap Lake	International research programs on climate change adaptation	Presentation of findings (research demand and project proposals)
Symposium	Keynotes + Expert presentations Key messages of IPCC-SREX report	Science-Policy dialogue: "knowledge gaps and research demand"		Workshop defining applied research projects	Conclusion
Training	Understanding Hydro-meteorological extremes	Preparedness and adaptation strategies		Early warning systems	Presentations of participants

Affected people of 2011 flooding, (Credit UBB)