

Objectives

Myanmar is recently facing big challenges which result from comprehensive political and economic reforms. This development may also include increasing water demand and use, e.g. by agricultural intensification and urbanization. However, not only policy, social development and economy modify human-water system dynamics; climate variability and changes in seasonality are expected to increase as a result of global climate change and regional land use change. In order to study and understand the interaction and dynamics of climate, water and food in Myanmar, an integrated and interdisciplinary nexus approach is applied. The nexus approach is based on the understanding of mutual dependencies and strong linkages between environmental resources. The MyNex Summer School offers the opportunity to get deeper insights and understanding about the interactions and dynamics in human-water systems in Myanmar and how water-related environmental changes affect water availability, land use and water management practices.

In collaboration of Bonn University (UBO), Christian-Albrechts University Kiel (CAU), Germany, and Yangon Technological University (YTU), and Myanmar Maritime University (MMU), Myanmar, we offer a programme of lectures, workshops, hands-on training, and field trips by representative scientists and experts from Myanmar, Laos, Vietnam, and Germany.

The Summer School is organized within the frame of the project „Establishing an international science network on the Nexus Climate-Water-Food in Myanmar – MyNex“ funded by the German Federal Ministry of Education and Research (BMBF).



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Christian-Albrechts-Universität zu Kiel



Bundesministerium
für Bildung
und Forschung

Summer School

Water-related environmental changes in Myanmar



3rd April – 10th April 2019



at Yangon Technological University, Myanmar



Programme

- 3rd April Arrival
- 4th April Introduction, lectures, statistics training, icebreaker evening
- 5th April Field trip & water sampling
- 6th April Lectures, lab work, GIS-training
- 7th April Lectures, land use modeling, hydrological modelling
- 8th April Field trip
- 9th April Lectures, Remote sensing, farewell-dinner
- 10th April Departure

The detailed programme will be announced before the summer school.

Participants

The Summer School is open to German* and Myanmar Master and PhD students in academic fields of water resources, geography, geosciences, hydrology, agricultural, and environmental sciences. The number of participants is limited to a maximum of 20 (10 from Germany/ 10 from Myanmar).

*Foreigners studying at German universities may apply if they fit into the following category of DAAD: Please check DAAD-Website: <https://www.daad.de/ausland/studieren/bewerbung/de/59-bewerbung-um-ein-stipendium/>

Tasks and topics covered

The lectures and trainings deal with topics such as hydro-meteorological changes and extremes, changes in water quality and land use, land use modelling, statistics, change point detection, remote sensing, GIS, etc. The summer school is organized in lecture parts, hands-on trainings, lab work and two field trips.

At the end of the summer school the students will be awarded with a certificate of participation

Funding

The MyNex Summer School 2019 is part of the project „Establishing an international science network on the Nexus Climate-Water-Food in Myanmar – MyNex“ funded by the German Federal Ministry of Education and Research (BMBF). Myanmar participants of the summer school receive a travel reimbursement (max. 150 Euro), German students receive a travel grant (800 Euro). All students receive a per diem and lump sum for further expenses.

Accommodation

There is a reserved number of rooms in a hotel near the venue. After acceptance, the participants will get further information.

Application

Interested students may apply with the following:

1. a cover letter with residential contact details, a description of the applicant's scientific interests and motivation for attending the course (max. 1 p.)
2. an academic CV (EU standard)
3. academic certificates
4. copy of passport (1st page with personal information)

Application and enclosures should be sent in a single (!)

PDF-file by e-mail to: ltaft@uni-bonn.de

Due date: 29th November 2018.

Applications received after this date will not be considered.

Evaluation of applications & admission

Applications will be evaluated by the organisers. Accepted applicants will be informed by e-mail. Please address any queries to ltaft@uni-bonn.de.

