

Expert Workshop
On
Water Security
Ethiopia, Mekelle
May 15-20, 2017
organized by
Mekelle University



Funded by



Overview:

Nowadays, deterioration of global fresh water resources is the most challenging questions and it has become one of the forefront scientific and political agenda in relation to global environmental changes in climate, land-use and bio-diversity. Water is not adequately available in required quantity and quality in many parts of the world especially in developing countries. Water still remains to be an essential component of life and hence governments and other agents need to work to secure water to the society. Water security is regarded as the capacity of a population to safeguard sustainable access to adequate quantities of acceptable quality water for sustaining livelihoods, human well-being, and socio-economic development.

Thus, finding solutions to water security and related problems through strong collaboration among researchers, stakeholders, governments, non-governmental organizations and the communities is required. Therefore, the stakeholders need to meet in a discussion forum such as expert workshop to explore water security related problems and develop mitigation measures. The expert workshop also creates a co-learning environment among different experts and knowledge exchange through experiences from different parts of the world.

Objectives:

The workshop will focus on multidisciplinary approach to water security challenges and its solutions with special interest on distribution and availability of fresh and drinking waters , scarcity of water, quality and pollution of waters, water governance, trans- boundary water resource management and other related issues among with the drivers land-use systems and climatic conditions.

Thus, expert workshop aims to:

1. Present new findings and approaches to mitigate water security related problems.
2. Promote communications among scientists, engineers, managers, stakeholders, and policy/decision makers on water security challenges and solutions.
3. Share ideas and experiences in addressing water security challenges and solutions under changing conditions.
4. Present new technologies in desalination

Topics:

The workshop will address the following topics:

- Global water resource distribution
- Access to water and water scarcity problems
- Water quality indicators
- Water governance
- Equity and fairness of water distribution
- Preservation and protection of water for sustainable use of water
- Mechanisms of collection and treatment of water (water recycling)
- Water security and trans-boundary water resource management
- Water related hazards (droughts, floods, pollution, etc.)
- Relation between water and human security
- Success stories in achieving water security

Workshop Organization:

The workshop, which is one of the annual activities of Sub-Sahara Africa (SSA), will be hosted by Mekelle University, Mekelle, Ethiopia. The workshop is carried out within the framework of the Exceed-Swinton project located at the Technical University of Braunschweig, Germany. The project is funded by the German Academic Exchange Services (DAAD).

Expected Outcome:

The outcomes of the workshop will be summarized in a report and shared with decision makers in the partner countries. Shared research and experts collaborative networks are also expected. It will be also available in the regional website of the network but in addition, local media coverage is expected. A text book on workshop proceedings will be published. Specific areas of research and collaboration interests will be identified.

Schedule

Day	Date	Time	Activity
Monday	15-05-2017		Participants Arrive
Tuesday	16-05-2017	09:00-09:30 9:30-17:00	Registration Lectures and Oral presentations
Wednesday	17-05-2017	9:00-12:00 14:00-17:00	Lectures and Oral presentations Group Discussion
Thursday	18-05-2017	9:00-12:00 14:00-17:00	Lectures and Oral presentations Conclusions and wayforward Regional Meeting
Friday	19-05-2017	8:00- 17:00	Excursion
Saturday	20-05-2017		Departure

Target Audience

The expected thirty (30) participants are preferably expert in water resources, researchers, decision makers, practitioners within the field of water resources.

Number of participants

The number of participants is limited to 30. Candidates from the Exceed-SWINDON SSA partner universities are given priority. Practitioners, decision-makers and trainers intending to transfer the acquired knowledge and skills will also be considered. Selected candidates shall be inspired to submit contributions for oral presentations in their specific fields. Selected candidates shall be encouraged to share their expertise.

Application

Please apply online at <http://ssa.exceed-swinton.org/apply-for-a-workshop/>. Submit your CV, motivation and an abstract (one page) regarding your research experience and other necessary documents.

Deadline for application: 10 March 2017.

Workshop Book:

The authors of the accepted presentations (based on the abstracts submitted) are also requested to submit a full paper and copyright agreement. The submission of the full paper is made with the registration (electronic copy of the full paper) during the first day of the workshop.

The authors are further requested to prepare the full paper according to the guidelines (see the announcement on the website: <http://ssa.exceed-swinton.org/announcements/>)

The full papers are printed in a Workshop Book with associated ISBN number and is published by Cuvillier Publisher, Germany.

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The workshop is organized by the following:

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Venue:

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