



International Network on
Sustainable Water Management
in Developing Countries
ex)ceed SWINDON



Regional Workshop

On

Solutions to water challenges in MENA-Region

Cairo, Egypt

April 25-30, 2017

Organized by

Mansoura University



Funded by



DAAD

Overview

MENA region is the most water scarce region of the world. The region is home to about 6.3 percent of world's population but has access to measily 1.4 percent of the world's renewable fresh water. The region face's a dramatic increase in water demands due to rapid population growth, urbanization growth, higher standards of living and an agricultural policy which emphasis on expanding production in order to feed the growing population. Continued water scarcities will affect the region's social and economic potential, increase land vulnerability to salinization and desertification and raise the risk for political conflict around the limited water available and increased demands. Ground-water is a hidden problem, since many countries extract more than is being recharged. Water quality degradation through pollution and salinization are important factors affecting water availability in the region. In recent years, flash floods that caused by extreme weather conditions, their occurrence is highly random and the associated problems are expected to increase in the near future due to climate change.

Finding solutions to these challenging problems requires close collaboration between scientists – established as well as young ones, - practitioners, and stakeholders from federal and public organizations. So we encourage you to contribute to the development of future solutions and to widen your own expertise and profile by attending the international workshop.

Objectives

The workshop will focus on multidisciplinary approach to water challenges and its solutions with special interest on functions and limitations under various land-use systems and climatic conditions, remote sensing applications in water sciences, latest and technological developments for water use and management through:

1. Present new findings in and approaches to integrated water resources management.
2. Promote communications among scientists, engineers, mangers, stakeholders, and policy/decision makers on water resources management challenges and solutions.
3. Share ideas and experiences in addressing water management challenges and solutions under changing conditions

4. Present new technologies in desalination, waste water treatments and water pollution management.

The outcomes of the workshop will be summarized in a report and shared with decision makers in the partner countries. It will be also available in the regional web site of the network. In addition publications (journal/congress) related to strategic water management plans as well as agricultural policies will be conducted.

Topics

The workshop addresses the following sub-topics:

- Water and climate change
- Water, sanitation, & hygiene
- Water footprint challenges and solutions
- MENA scale water challenges
- MENA scale economics & politics of water
- Surface Hydrology modelling.
- Soil and water management.
- Water Science Engineering and Water Management.
- Flood Control, with RS / GIS applications
- Climate Change on water resourcs management
- Study of water intakes along River
- Water quality risk management
- Transboundary water problems and its future solutions
- Integrated Management of water resources
- New technologies in waste water treatments
- Control of Salt Water Intrusion in Coastal Aquifers
- Groundwater Resources Sustainability, Management and Restoration
- Energy recovery from wastewater
- Control, Automation of Wasterwater Treatment Processes
- New alternative sanitation systems (NASS)

Workshop Organization

The workshop will take place in Cairo, Egypt. Mansoura University, Egypt, will host the workshop. The workshop is carried out within the framework of the Exceed-Swindon project located at the Technical University of Braunschweig, Germany. The project is funded by the German Academic Exchange Services (DAAD).

Funded by



DAAD

SCHEDULE

Day	Date	Time	Activity
Tuesday	25.04.2017		ARRIVAL
Wednesday	26.04.2017	9.00 – 17.30	Expert Workshop
Thursday	27.04.2017	9.00 – 17.30	Expert Workshop
Friday	28.04.2017	9.00 – 17.30	Technical Excursion
Saturday	29.04.2017	9.00 – 17.30	- Expert Workshop (summary/conclusions), - Regional Meeting
Sunday	30.04.2017		DEPARTURE

Target Audience:

Water engineers and experts, technical and administrative personnel of water utilities and relevant ministries as well as academicians in partner countries of EXCEED-SWINDON in the Middle East & North Africa region.

Number of participants:

The number of participants is limited to 25.

Application:

Please apply online until **28 January 2017** under

<http://mena.exceed-swindon.org/apply-for-a-workshop/>

Selection and Notification to the applicants until **4 February 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://mena.exceed-swindon.org/announcements/>).

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

Funded by



DAAD

Internet: www.exceed-swindon.org

Contact Organizing Institution:

Assoc. Prof. Dr. Zeinab Abou-Elnaga
Zoology Dept., Faculty of Science,
Mansoura University
Tel: +2 0111 110 9526
Fax: +20502246781
Address: P.O.Box 35516. Mansoura
University, Mansoura, Egypt
E-Mail: zenab_77@mans.edu.eg

Venue:

Cairo, Egypt

TU Braunschweig Head Office:

Prof. Dr. Andreas Haarstrick
Scientific Coordinator
Excellence Center for Development Cooperation
Sustainable Water Management
Beethovenstraße 51a
D-38106 Braunschweig, Germany,
Email: coordination-exceed@tu-bs.de
Tel.: +49 531 391-3935

Funded by



DAAD