

**Regional workshop**  
**On**  
**Water efficient cities**  
**Marrakech, Morocco**  
**November 03-08, 2017**  
**Organized by**  
**Agronomy and Veterinary Institute-Hassan II, Center of**  
**Water, Natural Resources, Environment and Sustainable**  
**Development (CERNE2D) and Faculty of Sciences of Rabat**



## Overview

Each year, more than 32 billion m<sup>3</sup> of treated water do not reach consumers due to numerous failures such as leaks, faulty connections or piping. In some low-income countries, losses account for 50-60% of the water supplied when the global average is 35%. Saving this volume of lost water becomes an imperative and can provide water to many people.

The provision of safe and affordable drinking water, as well as solutions for sanitation, are basic needs for improved hygiene and a better life, or more critically to prevent loss of life.

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. Therefore, 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, managers, 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

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:

- 1- Emerging technologies for the improvement of the performance of water utilities in Mena region
- 2- Policies of integrated management of water resources in Mena region
- 3- Improvement of the access to sanitation and water in Mena region
- 4- Water quality risk management
- 5- Management and reuse of wastewater
- 6- Non-revenue water in Mena region (best practices for better performances)
- 7- Desalination of sea water
- 8- Management of water resources in agricultural zones
- 9- Capacity building in water resources management.

## Workshop Organization

The workshop will take place in Marrakech, Morocco. IAV Hassan II in collaboration with Faculty of Sciences of Rabat and CERNE2D 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 German Academic Exchange Services (DAAD) funds the project.

## SCHEDULE

Day	Date	Time	Activity
Friday	03.11.2017	ARRIVAL	
Saturday	04.11.2017	9h-17h30	Expert Workshop
Sunday	05.11.2017	9h-17h30	Expert Workshop
Monday	06.11.2017	9h-17h30	Technical excursion
Thursday	07.11.2017	9h-17h30	- Expert Workshop (summary/conclusions) - Regional Meeting
Wednesday	08.11.2017	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 **15 September 2017**

<http://www.exceed-swindon.org/apply>

Under Workshop or Training Course

Selection and Notification to the applicants until **30 September 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 are published by Cuvillier Publisher, Germany.

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and Development



DAAD

Internet: [www.exceed-swindon.org](http://www.exceed-swindon.org)

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**Venue:** Marrakech, Morocco

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