



## Regional Expert Workshop on

# Water Resources and Climate Change: Impacts, Mitigation and Adaptation

November 3 - 7, 2019

University of Jordan and Mutah University



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## Overview

Sustainable development in the already vulnerable MENA region faces several challenges, among which is climate change. Though the MENA region is not a main contributor to climate change, it is projected that several vital sectors in the MENA region will be negatively impacted by it, which is a threat to the sustainability of its socio-economic development.

Water availability in the MENA region is projected to be negatively impacted by climate change due to the projected reduction in rainfall and increased evaporation as a consequence to temperature rise. In addition, domestic and agricultural demands will dramatically increase due to the projected temperature increase rise which will enlarge the already existing gap between supply and demand in several MENA countries.

It is important to note that the negative impacts on water resources will directly translate to other sectors due to the strong connectivity of these sectors with the water sector. These sectors are food security, health, ecology, environment, economic and social.

Projected sea level rise due to temperature increase as a consequence of melting of the poles, is projected to result in land use change which will in turn have severe social and economic consequences.

Proper mitigation and adaptation options that take into consideration the multi-dimensional nature of the climate change impacts are a must to conserve these sectors and to sustain the socio economic development of the MENA region.

## Objectives

This workshop seeks to gather professionals of multidisciplinary backgrounds and expertise over three days to present and discuss their diverse experiences related to the possible climate change impacts, mitigation and adaptation options in the MENA region. This workshop is expected to strengthen the already existing professional connections among the EXCEED network partners in addition to establishing new professional connections with new participants from the region. The workshop will help the participants gain better understanding and share experiences related to climate change causes, impacts, mitigation measures and adaptation options.

## Topics

- Evidence of global warming and climate change,
- Contribution of the MENA region to climate change,
- Climate change modeling, limitations, uncertainty and scenarios,
- Climate change mitigation options,
- Vulnerability and impacts of climate change on water resources in the MENA region,
- Vulnerability and impacts of Climate change on food security in the MENA region,
- Vulnerability and health impacts of climate change in the MENA region,
- Vulnerability and Ecological impacts of climate change in the MENA region,
- Vulnerability and social impacts of climate change in the MENA region,
- Role of education and training in adapting to climate change in the MENA region,
- Role of raising public awareness in adapting to climate change in the MENA region,
- Climate change strategies in the MENA region,
- Role of policies in adapting to climate change in the MENA region,
- Role of technological advancements in the water sector in adapting to climate change,

## Workshop Organization

The workshop will take place in Amman, Jordan, between November 3<sup>rd</sup> and 7<sup>th</sup> of 2019. The University of Jordan organizes and hosts this workshop in cooperation with Mutah University. The workshop is carried out within the framework of the EXCEED-SWINDON project coordinated by the Technical University of Braunschweig, Germany. The EXCEED-SWINDON project is funded by the German Academic Exchange Services (DAAD).

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## SCHEDULE

Day	Date	Time	Activity
Sunday	03.11.2019		Arrival of participants
Monday	04.11.2019	09:00 -17:00	Opening and Expert Workshop
Tuesday	05.11.2019	09:00 -17:00	Expert Workshop
Wednesday	06.11.2019	09:00 -11:00	Regional meeting
		12:00-17:00	Excursion
Thursday	07.11.2019	All day	Departure of participants

### Target Audience

**This is an expert workshop**, so main target groups are water engineers, 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 who are doing research and publish in the area related to the topic of this workshop.

### Number of participants

The number of participants is limited to 40.

### Application

Please apply online until **20 JUNE, 2019** at:

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

Selection and Notification to the applicants until **30 JUNE, 30, 2019**

### Abstract submission

**For extended abstract paper submission please carefully read and use the template that is available in the announcement (deviation from template is not accepted) for uploading.**

Deadline for full paper submission is **26 OCTOBER 2019** by e-mail to:

[abbas.alomari@ymail.com](mailto:abbas.alomari@ymail.com) and [meaydin@erbakan.edu.tr](mailto:meaydin@erbakan.edu.tr)

### Full Paper and Workshop Book

The authors of the accepted abstracts (based on the abstracts submitted) are required to submit a full paper and a copyright agreement. The full papers are printed in a Workshop Book with associated ISBN number and are published by Cuvillier Publisher, Germany.

### Guidelines for Paper preparation

The authors are required to prepare the full paper according to the following guidelines which are available in the announcement for uploading:

[Guidelines for EXCEED/ SWINDON Proceedings Papers](#)

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[Example for good formatted a paper](#)

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

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**Venue:**

Will be announced later

**TU Braunschweig Head Office:**

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