



Summer School

Water Management for Coastal Communities

TUBITAK Marmara Research Center (MRC)

October 02-08, 2016



this project is supported by



Federal Ministry
for Economic Cooperation
and Development



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Summer School

Water Management for Coastal Communities

Overview/Objectives

Population growth and fast industrial improvements in conjunction with expected climate change adversely effect on water resources in Mena region. Hence, there is an urgent need for sustainable water management implementations and developments for innovative water resources together with pollution control and mitigation of climate change impact concerns.

The relevant interest is growing for the appraisal of practical implementations to attain holistic integrated approach and consequently putting them into practice for coastal communities. Along these lines the aim of the presented *Summer School* is to provide a theoretical and practical overview of sustainable water and wastewater management and principal aspects of environmental technologies especially concentrating on water reuse applications.

Low rainfall, high population density, migration, intensive irrigation, industrial activities, energy production, water quality decline are the core explanations of water scarcity in the region. Likewise, the perception of Integrated *Urban Water Management*, namely managing freshwater, wastewater and storm water for complete river basin is receiving significant attention.

Water management for coastal communities involve the management of urban water cycle in connection with the hydrological water cycle also includes water facilities. The concept takes into account valuation of alternative water sources, rainwater and reclaimed water

In this manner, the presented *Summer School* includes alternatives to conventional treatment technologies and their designed applications, conventional and advanced treatment technologies, water/wastewater management strategies, centralized and decentralized sanitation, social, agricultural, industrial water use, economic and environmental aspects, eco-efficiency for coastal communities.

Proposed Topics

- Environmental impacts including climate change
- Domestic wastewater treatment/reuse alternatives for coastal communities
- Assessment and management of risks
- Water and wastewater management for coastal zones
- Hot spots and sensitive areas – development of water and wastewater management strategies
- Catchment based water/wastewater management studies,
- Case studies
- Water reuse

Target Audience

M.Sc. and Ph.D. students, post doctoral students with an environmental science background who are interested in combining their scientific knowledge with implementation project experiences, case studies and sustainable water management concepts.

Course Organization

The course consists of lectures, practice sessions discussion of problems of the participants, and outlooks to technologies, technical trips.

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SCHEDULE		
Sunday	October 2, 2016	Arrival
Monday to Thursday	October 3, 2016 - October 6, 2016	Lectures, practice sessions, discussions, technical visits
Friday	October 7, 2016	Excursion
Saturday	October 8, 2016	Departure

Organisation

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Number of participants

The number of participants is confined to 19.

Lecturers

Experts from partner universities and research organizations.

Venue

DSI Research – Development and Education
Facilities Orhantepe/Maltepe İstanbul -Turkey

Application

Please apply online until June 15, 2016:
www.exceed-swindon.org
Selection and notification to the applicants
until July 15, 2016

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