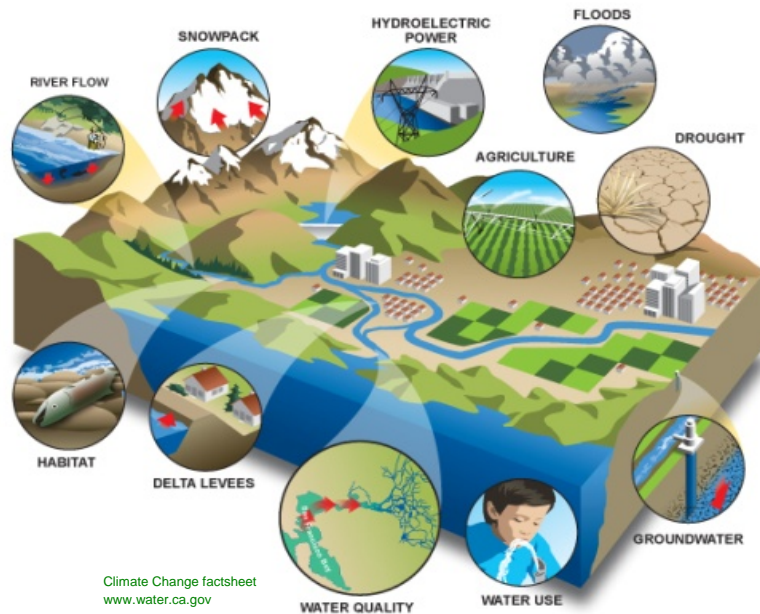
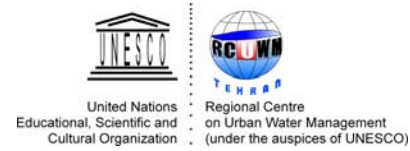


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Climate Change factsheet  
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Center for Development Research

# *Training Workshop on Challenges of Sustainable Water Use in Arid and Semi-arid Regions under Conditions of Climate Change*

*28 Sep-01 Oct 2009  
Tashkent, Uzbekistan*



## Introduction

The world is facing changes at a faster rate than ever seen before. These changes such as population growth, migration, urbanization, land-use change and climate change / variability will drive the way in which water resources need to be managed in the future. They also call for concrete contributions from water policies and actions to help the world cope with these changes.

While climate change has been the most talked about topic, these days, other changes taking place will likely affect water resources and services and their management to a much greater degree.

All regions of the world will be confronted with strong and unpredictable impact of climate change on water resources. However, countries and regions under water stress have developed and implemented strategies to cope with extreme pressure on water resources or with substantial institutional changes during political or industrial transition.

It is important for water research and water managers to take advantage of this rich experience, to get access to the information and to develop strategies for adapting such experience to special conditions of arid and semi-arid regions.

Warming will certainly cause hydrologic changes that will affect freshwater resources. These are among the most significant potential impacts of climate change. Apparently climate change will present challenges to water utilities and planning now could prevent freshwater crisis in upcoming years.

Impacts of climate change in arid and Semi-arid regions particularly in urban regions could create severe problems and challenges with due respect to sustainable development.

This workshop will therefore provide the ground to transfer knowledge and experience to enable regional entities to further investigate and confront with these challenges.

Eminent international resource persons will be invited to address the above mentioned issues during this training workshop to promote awareness among mid-level managers to contribute to decision making through presenting training materials.

## Objectives:

The main objectives of this 2-day training course would be as follows:

- a) To strengthen human resources and institutional capacity building to enhance awareness on global change issues;

- b) To familiarize participants with climate change / variability concepts and modeling;
- c) To familiarize participants with concepts and technologies in water resources management for mitigating the impact of water stress and climate change.
- d) To provide the participants on opportunities to share their ideas and view-points.

## Workshop Topics

- Introduction to global change and climate variability
- Impacts of climate change on sustainable water use
- Role of governments/public/civil society in sustainable water use under climate change /variability conditions
- Service provision under conditions of climate change /variability
- Improving water efficiency
- Case studies

## Participants

The audience will be mid-level managers / experts in water resources management, disaster management from various countries in the middle-east and CIS including Iran, Afghanistan, Pakistan, India, Bangladesh, Oman, Tajikistan and Uzbekistan, as well as other countries in the Arab and MENA region. The number of participants would be around 30 including 10 from the host country.

The participants will be expected to prepare and present their country reports / case studies relevant to the main theme of the workshop.

## Language of the Workshop

The official language of the workshop would be English.

## Date and Venue

The total duration of the training course would be 2 days with an additional 2 days field trip.

The workshop will be held in Tashkent, Uzbekistan.

## Workshop Fees

The fees will be paid for participants from their institutions and organizations. RCUWM can finance a limited number of participants.

## Field Visit

A technical tour to Urgench and Khiva Regions has been planned for the participants of the course.