

Methodology of the Course

- ◆ Presentation by the resource persons and open discussion.
- ◆ Group work and plenary.

Participants

The course is suitable for any person interested to know about climate change and its impact on water supply and sanitation sector having a minimum degree of graduation. However it would be particularly suitable for those who are working in the field of water supply and sanitation

Course Outline

1. Introduction to Climate Change: Impacts, Mitigation and Adaptation
2. Global and National Initiatives to Combat Climate Change: The Role of IPCC, International Treaties and Protocols
3. Climate Change, Health and Sanitation
4. Assessment of Impacts of Climate Change on Small Drinking Water and Sanitation System in Bangladesh
5. Impacts of Climate Change: A Gender Perspective
6. Planning of WatSan Project Considering the Probable Impacts of Climate Change
7. Mitigation Measures and Adaptation Strategies for WatSan Sector
8. National Climate Change Action Plan

Resource Person

ITN Centre has established a network of skilled professionals who act as resource persons for various training courses. Based on that, there will be a group of experienced professionals from home and abroad in the field of climate change, water and sanitation sector for facilitating various sessions of this training course.

Registration

Persons interested to undertake the course are required to register their names to the ITN Centre. With a limited number of seats the registration shall be on a first - come first - serve basis. The registration fee is Tk. 3,000/- per participant.

Registration package include:
Course Materials, Notes & Hand-outs, Certificate, Lunch and refreshments. For further information please contact the course coordinator



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Training Course

on

**Facing the Challenges of
Climate Change: Issues, Impacts
and Adaptation Strategies
for Bangladesh**



Organized by:

International Training Network (ITN) Centre, BUET



ITN-BUET

Centre for Water Supply and Waste Management

Training Course on

Facing the Challenges of Climate Change: Issues, Impacts and Adaptation Strategies for Bangladesh

Background

An ominous shadow of climate change is gradually creeping towards the planet earth. After the publication of the fourth assessment report of the Inter-Governmental Panel for Climate Change (IPCC) in 2007, even the most serious critics of the climate change phenomena became convinced that climate change is now a reality and actions have to be taken to face the challenges posed by this human induced curse.

As mentioned in the report of IPCC, climate change is projected to increase pressure on natural resources and thus hamper sustainable development in Asia. Heavily populated coastal areas will be at greatest risk due to increased flooding.

The projected increase in floods and droughts is expected to increase the associated health problems and deaths due to diarrhea.

Despite of the fact that developing countries are contributing the least to increase global warming and trigger climate change, they are the one who would be most severely affected. A large portion of the low lying areas of Bangladesh may be submerged permanently due to sea level rise. Increase in the frequency and intensity of super cyclones is feared along the coast line



of Bangladesh in the coming days. Sundarban, the biggest mangrove forest of the World is under the threat of extinction due to the increase in salinity of the soil.

Climate change would affect all most all the sectors of development in an adverse way. Among various other sectors, water supply and sanitation sector is also feared to be severely affected. Glacier melt in the Himalayas is projected to increase flooding and rock avalanches, and affect water resources within the next two to three decades. It is predicted that less fresh water will be available due to both climate change and population growth. Saline water intrusion in the coastal region of Bangladesh has already made the fragile water supply system into a more stressful condition. Being a member of most affected countries, we need to

develop our capacity to identify the possible risks of climate change and undertake adaptation strategies to overcome the adverse impacts.

To address the burning issues, ITN-BUET has introduced a 3-day long Training Course on "Facing the Challenges of Climate Change: Issues, Impacts and Adaptation Strategies for Bangladesh" for the people who are concerned about the threats and challenges posed by Climate Change.

Objectives of the Course

The main objectives of this training course are to:

- ◆ Enhance the knowledge of the participants regarding climate change and global warming, its impact on Bangladesh, national and international initiatives for mitigation and adaptation strategies
- ◆ Give participants an idea about how the scenarios of the impacts of climate change is generated by computer modeling
- ◆ Present a comprehensive view of the impacts of climate change on different sectors with particular emphasis on water and sanitation sector of Bangladesh
- ◆ Give the participants an idea about the possible mitigation measures and adaptation strategies to combat climate change
- ◆ Develop a functional network of professionals, academicians, field workers and decision makers for technology and policy development.

