

# Capacity Development on Adaptation and Disaster Management of the Water Sector related to Climate Change Project

## Introduction

In June 2010, a second stakeholders consultation was held with the objectives of presenting the Programme Outline, create a common base of understanding for the NICHE programme in Bangladesh and ensure that NICHE priorities are coherent with the Bangladesh government's and the Embassy of the Kingdom of the Netherlands (further referred to as Embassy) policies.

NICHE programme has a great role on water related climate change impacts and at presently Bangladesh is one of the most disaster prone country due to climate change. In the recent past, the country has experienced a rise in sea level, increased temperatures, enhanced monsoon precipitation and runoff, potentially reduced dry season precipitation, and an increase in the frequency and intensity of tropical cyclones and storm surges. Further, it is predicted that average sea levels may rise by around 30 centimeters by 2050 and could make an additional 14% of the country extremely vulnerable to floods.



With a vision to eradicate poverty and achieve economic and social wellbeing, government has formulated the National Adaptation Programme of Action (NAPA) 2005 and Bangladesh Climate Change Strategy and Action Plan (BCCSAP) 2008 which has been revised in 2009.

BCCSAP 2009 identified seven priority areas:

- food security
- social protection and health;
- Comprehensive disaster management;
- infrastructure;
- research and knowledge management;
- mitigation and low carbon development, and
- capacity building and institutional strengthening

As a leading engineering educational institute of Bangladesh, Dhaka University of Engineering & Technology feels that research and knowledge management on climate change will enable the country to have access to the latest science and technological developments for reducing the vulnerability.

Considering the depth of the issue, DUET would like to contribute to the nation in this situation through NICHE project in knowledge management, research and development, technology transfer, training and capacity building.

## Objectives

- To contribute to the reduction of the water related Climate Change impacts through capacity development
- To enhance the capacity of DUET as research, teaching and training institute in water related climate change issues
- To establish DUET, Department of Civil Engineering, as a department where gender balance and gender equity exists in its higher education and professional systems.
- Establish linkages between climate change working group for sustainability



## Final Beneficiaries

- Staff in various government departments, NGOs and other stakeholders in this field
- Students attending these courses (may include existing registered graduate and post graduate students at DUET)
- National, Provincial and local authorities: Technical and non-technical staff responsible for WRM at local government level.
- Relevant non-governmental (NGOs) and community based organisations (CBOs). Water Sector Management Institutions, public of disaster affected areas

All above, this project will enable DUET in its capacity development that will improve DUET's existing graduate and postgraduate programme and research capability in water sector related climate change induced disaster management and adaptation and will enable DUET as training provider for NGOs, GOs and local bodies who are involved in the disaster management activities in Bangladesh.

## Contact Person:

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## Implementing Agency:

Department of Civil Engineering,  
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## Implementation Assisting Partner:

Wageningen University (WU)  
UNESCO-IHE Institute for Water Education (IHE)  
Asian Institute for Technology (AIT)  
International Center for Climate Change and Development (ICCCAD),  
Independent University of Bangladesh (IUB)

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