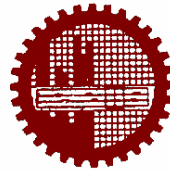


# Climate Change Modeling at BUET

Bangladesh University of Engineering and  
Technology (BUET)



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# Introduction

- Climate Change Cell of Department of Environment (DOE) has requested to take initiative to coordinate climate change related activities of BUET under one umbrella.
- Climate Change Study Cell will start its journey in 2008. The main focus of this cell will be on climate change modeling.
- By the year, 2009 it may be converted into a fully independent Center in BUET.

# Vision

The vision of the Climate Change Study Cell is to establish itself as the premier knowledge center on climate change risk and adaptation for Bangladesh.



# Mission

- To improve knowledge about climate change and associated risk to Bangladesh;
- To increase awareness of the planners, policy makers about the effects of climate change;
- To become institutional home for climate modeling and predicting future scenarios;
- To strengthen capacity of professionals in climate change modeling; and
- To share knowledge and expertise with other organizations.

# Activities

Following list of activities has been proposed for this cell.

- Research
- Short courses
- Workshop
- Seminar
- Advisory Services
- Conference
- Publications of Journals
- Climate change Database
- Dissemination of information through web

# Short Course

## Climate Change Risk and Adaptation in Water Sector

**Date: 10-11 February, 2008**

**Venue: DCE, BUET**

# Upcoming training on Climate Change Modeling

## Activities:

- Organizing a TOT at BUET in April/May 2008
  - Regional climate model PRECIS workshop in collaboration with Hadley Center, UK (Contact: David Hein)
  - Scenarios setup for Bangladesh using CRA model in collaboration with Adaptation & Impacts Research Division (AIRD), University of Toronto (Contact: Monirul Qader Mirza)
- Organization a training for other organizations in September /October 2008
  - Regional climate model RegCM training in collaboration with The Abdus Salam ICTP, Italy (Contact: Prof. F. Giorgi)

# Roadmap

<b>Activities</b>	<b>Milestone</b>
Start offering short courses and training	end 2007
Equip and organize the cell as climate change modeling house	mid 2008
Start offering certificate course on climate change science	end 2008
Become an independent center in BUET	mid 2009



## Outcomes:

*“By 2008 capacity building of a group of modelers in different agencies of Bangladesh capable of simulating climate change scenarios and assess their impact in different sectors”*

# Web portal of Climate Change Study Cell at BUET

<http://teacher.buet.ac.bd/dirwfm/climate/>

- News of all the upcoming events
- Materials of this short course
- Useful links related to climate change modeling activities

# Thank you!

## Climate Change Study Cell

Bangladesh University of Engineering and Technology



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Climate Change Study Cell of Bangladesh University of Engineering and Technology has been established in 2007. This cell recognizes the world wide growing concerns due to global climate change. Climate risks now need to be integrated into national development planning processes and strategies. In this regard, a **Climate Change Study Cell** at BUET can play very important role by creating knowledge base and producing trained personnel to face the challenges of the impending climate change risk. The main focus of this cell is on providing education and training, and conducting research on climate-related disasters.

This cell is committed to conduct various activities such as facilitating research, organizing short courses, workshops and seminars, providing advisory services to government and relevant organizations, hosting international and national conferences, publishing journal, developing climate change Database and creating knowledge dissemination portal using world wide web.

By the year, 2009 it may be converted to a fully independent Center in BUET.

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