



Interdisciplinary Climate Research Centre Cotton University, Guwahati



International workshop
on

Hydro-meteorological modelling for flood prediction in North East India

ICRC is holding an international workshop on *Hydro-meteorological modeling for regional flood prediction* on 7th March 2018, at Cotton University, Guwahati. The primary objective of the workshop is to provide a forum for researchers from Japan and India to discuss the need for hydro meteorological data collection, storage, analysis and dissemination, with a focus on developing a modeling framework for multi-scale flood prediction in NEIN.

Terrestrial water resources are coupled hydro-systems with compartments reaching from the atmosphere to aquifers. Their sustainable management requires predictive models simulating all relevant meteorological, hydrological and (biogeo)chemical processes. The related processes are uncertain; they are affected by heterogeneity, and undergo change. The workshop provides a unique opportunity to bring together research scientists with an integrated approach that aims to maximize the exchange of knowledge and ideas in meteorology, hydrology, climatology, and other related fields towards developing a framework for a multi-hazard flood early warning systems Brahmaputra valley. It is expected to provide helpful information on new tools, technologies and techniques for forecasting extreme weather related floods in Northeast India.

Aiming at developing the collaboration networks and sharing best practices with and among different institutions, this event will consist of presentations from all participating institutes where new collaboration bridges can be set. We believe that our organizations can work together in a number of ways to directly address the critical problem of hydro-meteorological hazards in Northeast India through a model framework and welcome the opportunity to discuss this possibility further.