



1st International Conference on Climate Science

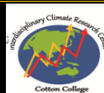
7-8 March 2016, Guwahati

Hosted by : ICRC Cotton College, CSEAS Kyoto University and ICEDS Kagawa University

Theme:

Frontiers of Climate Research to Enhance Cooperation of Climate Information and Services for Sustainable Development Planning in North East India

Hosted By:



**INTERDISCIPLINARY CLIMATE RESEARCH CENTER
COTTON COLLEGE, GUWAHATI**



**CSEAS
CENTER FOR SOUTHEAST ASIAN STUDIES
KYOTO UNIVERSITY**



ICEDS

International Consortium for Earth and Development Sciences (ICEDS)
Kagawa University



Conference Vision and Background

The event is aimed at discussing the best approach to tighten interconnectedness between climate science, services, and policy in order to improve co-generation, quality, access, and dissemination of climate information services necessary to improve climate-resilient development planning and the achievement of sustainable development goals (SDGs) in North East India. It will also provide the opportunity to showcase that user-driven research can lead to incremental improvement in usable climate information and services for different user sectors. In order to safeguard North East India's already highly vulnerable climate-sensitive socio-economic sectors that also determine the region's attainment of SDGs, there is need to build an enabling environment and strong infrastructure for co-generation of evidence-based climate information and services that can be mainstreamed into sustainable development planning.

The Interdisciplinary Climate Research Center (ICRC) initiative was launched in August 2015 at Cotton College and is intended to contribute to this endeavor by strengthening links between climate science research and climate information needs for development planning in North East India. The primary goal of the initiative is to create regional climate partnerships that involve diverse expertise from the natural, biophysical and social sciences to co-design integrated research that translates into appropriate and actionable information for policy and sustainable development planning.

With this background, ICRC, Cotton College Guwahati intends to organize the first International Conference on Climate Science, a symposium on the theme: "Frontiers of Climate Research to Enhance Cooperation of Climate Information and Services for Sustainable Development Planning in North East India" on 7-8 March 2016 to assimilate the present as well as the evolving concepts related to regional climate in Northeast India. For the conference a mixture of invited and solicited papers are planned. Papers are solicited on all aspects of regional climate over contiguous North East India. The theme of the conference relates to, but is not limited to many facets of the South Asia Monsoon, predictability, variability over a variety of space and time scale, water resource management, and mitigation.

The Conference is co-hosted by Japanese Research Institutes also, since ICRC is based on a long Indo-Japan research collaboration. In 2005, several Japanese researchers from Disaster Prevention Research Institute (DPRI), Kyoto University and other institutes launched new project to facilitate observation system of climate in northeast India. The collaboration continued for 10 years, and promoted international interdisciplinary research collaboration until now. We hope that many international researchers join this conference to establish further strong international cooperation.

Date and Venue

Monday and Tuesday, 7-8 March 2016
Conference Hall, Department of Physics
Cotton College, Guwahati. 781001

Conference Goal

The goal of this international co-design conference is to identify and elaborate the scientific questions and associated research agendas which are scientifically challenging and of high societal relevance, involving regional climate. This conference on regional climate represents an exclusive opportunity for scientists from Japan and other countries to interact with the research communities from all the states of northeast India to advance our understanding and prediction of regional climate variability and changes

Conference Format

The conference will feature plenary and invited presentations by experts and contributed presentations by all the selected candidates. (Both oral and poster presentations are planned for the contributed abstracts. There would be awards for best poster presentations.)

Eligibility

Research scholars and students who are registered for Ph.D programs in recognized Institutes / Universities / Organizations and doing research in climate science related topics as listed above are eligible to submit an abstract. Scientists working on problems related to climate change are also highly recommended to submit. Only candidates who are doing research on climate science related topics are encouraged to apply. Preference will be given to work of quantitative nature. Original quantitative work on adaptation and mitigation of climate change will be also considered for presentation at the meeting

Call for Abstracts

Interdisciplinary Climate Research Center at Cotton College is organizing a 2-day conference on climate science to facilitate interaction, discussions and collaborations among scientists working in the area of climate science in various institutions of India and Japan. We invite scientists, research scholars and students from across North East India to participate and contribute by giving presentations at this conference. We invite abstracts on the following themes.

- Atmospheric physics and dynamics
- Monsoons and climate change
- Climate change and sustainable development
- Global and regional carbon cycle
- Land use and land cover change
- Aerosols and cloud interaction
- Water cycle, water resources and climate change
- Himalayan Glaciers
- Paleoclimate
- Impacts of climate changes on Agriculture, Forests and Water resources
- Climate Engineering



Other details

There registration fee for attending the conference is Rs. 500(Rupees Five Hundred only). The number of participants attending the program will be limited to about 40. Selection will be based on scientific research credentials of the candidate and the quality of the research work as evident in the abstract. The length of the abstract should not exceed 200 words. The abstract should briefly state the motivation, methodology and results from the candidate's original research. Lengthy literature reviews and discussions are not necessary.

The abstracts should be e-mailed to: rahulmahanta@gmail.com

The selected candidates will be asked to give either poster or oral presentation. The type of presentation by each candidate will be decided by the program committee.

Accommodation for foreign delegates will be provided by the ICRC according to the government of India norms. Financial support will be provided for domestic travel by candidates making contributed presentations.

Last date for submission of application is 30 January 2016. Selected candidates will be notified by 10th February 2016.

For details contact:
Rahul Mahanta, PhD
Associate Professor in Physics,
Cotton College
Phone: 098540-76819
E-mail: rahulmahanta@gmail.com

