

INTERNATIONAL CONFERENCE ON

SCIENTIFIC AND INDIGENOUS BIO-CULTURAL KNOWLEDGE
IN UNDERSTANDING CLIMATE CHANGE IN BIODIVERSITY
HOTSPOTS TO DEVELOP STRATEGIES FOR SOCIO- ECOLOGI-
CAL DEVELOPMENT: DATA AVAILABILITY, REQUIREMENT
AND GAPS

27th and 28th July 2017

TOWARDS SUSTAINABLE FUTURE



Venue: Assam University, Silchar, India

Organized jointly by:



Centre for Ecological Economics and Natural Resources,
Institute of Social and Economic Change, Bengaluru

&



Assam University, Silchar

Co-ordinating Department - Department of Economics

A WARM GREETING FROM THE ORGANIZING COMMITTEE

It is our pleasure to invite you to join us at **“Scientific and indigenous bio—cultural knowledge in understanding climate change in biodiversity hotspots to develop strategies for socio-ecological development: data availability, requirement and gaps”** on 27th and 28th July 2017. This event focuses primarily on focusing our information base about the threats to biodiversity and sustainable development emanating from the changing climate - probably the largest environmental threat that the modern world faces today. The conference also aims at identifying the major areas of interest and to broaden our vision about prospective action plan to help India cope up with the development and sustenance of biodiversity hotspots. Assam University is situated in the North Eastern Region of India which is a part of both the Eastern Himalayas and the Indo-Burma biodiversity hotspots. The proposed International conference invites participants working on biodiversity conservation, socio-economic development, socio-ecological sustainability and climate change, from the natural sciences, life sciences, agricultural sciences, social sciences and economical sciences. The proactive measures to deal with climate variability and change can substantially reduce many of the adverse impacts of climate change on human beings and natural systems. Please join us on the 27th and 28th of July, 2017 in Silchar in order to make this event a successful one. We are happy to welcome you in our University.

A BRIEF INTRODUCTION TO ASSAM UNIVERSITY:

Assam University is a teaching-cum-affiliating Central University, which came into existence in 1994 by an Act of the Parliament of India. It is a great place of learning and research. The campus is situated in Dargakona which is about 20 km from Silchar town, occupying an area of about 600 acres (2.4km²) surrounded by lakes and mountains providing an ideal environment for academic pursuit. There are forty one departments under the sixteen schools of the University. Besides, a second campus of the University is at Diphu in the Karbi-anglong district of Assam.



The Department of Economics will be co-ordinating the conference at Assam University. The Department of Economics is one of the first six departments which came into existence along with the establishment of the University in 1994. For more details please visit the university website www.aus.ac.in.

THE HOST CITY:

Silchar is the second largest city in terms of population and municipal area of state Assam and the Headquarter of the District of Cachar. It is situated on the shore of Barak River, 343 kms away from the Capital (Guwahati) of the state. The District is bounded on the North by Barail and Jayantia hill ranges, on the south by the state Mizoram, on the east by the state of Manipur and on the west by sister districts Hailakandi and Karimganj of Assam.



The climate condition of this city is also very good; summer is hot and humid, the average annual temperature is about 24.9°C and average annual rainfall is about 3144 mm. The winter season starts from the month of December and continues for next two months.

HOW TO ARRIVE:

Road: Silchar is well connected by road from Guwahati,

Agartala, Imphal and other cities and towns of Northeast India.

Rail: The host city is well connected by rail to various cities in India. There is direct railway connectivity from the national capital New Delhi to Silchar via Sampark Kranti Express. Kanchenjunga Express connects Kolkata (Sealdah) with Silchar directly. Silchar is also well connected to Guwahati and Agartala via daily train service.



Air: Silchar is well-connected to various cities in India via Kolkata and Guwahati. The nearest airport is located at 22 km away from host city.



A BRIEF INTRODUCTION TO ISEC & CEENR:

Institute for Social and Economic Change (ISEC)

The Institute for Social and Economic Change (ISEC) is an All India Institute for interdisciplinary Research and Training in the Social Sciences, established in 1972 by the late Professor V K R V Rao. It is registered as a Society under the Karnataka Societies Registration Act, 1960, to create a blend of field-oriented empirical research



and advances in social science theories leading to better public policy formulation.

Functions and Objectives

- To conduct interdisciplinary research in analytical and applied areas of social sciences, encompassing diverse aspects of development.
- To assist both central and state governments by undertaking systematic studies of resource potential, identifying factors influencing growth and examining measures for reducing poverty.
- To establish fruitful contacts with other institutions and scholars engaged in social science research through collaborative research programmes and seminars, and to conduct training courses and refresher programmes for university and college teachers and public functionaries.

For more details please visit the Institute webpage www.isec.ac.in

Centre for Ecological Economics and Natural Resources (CEENR)

ISEC was the first institute to establish a separate Ecological Economics Unit in the country, now renamed as Centre for Ecological Economics and Natural Resources (CEENR), as far back as in 1981 which testifies to the vision of its founding fathers. The mandate of the Centre is to analyse the interface between economics, ecology and institutions, the trade-off between growth and the environment, and to evolve an appropriate strategy for the sustainable use and management of natural resources. With ecological issues of development coming to the fore, the Centre has emerged as an important focal point to analyse and identify various policy alternatives relating to sustainable development. The CEENR seeks to work towards building knowledge systems and capacities to influence policy and actions to improve rural and urban livelihoods and promote development in a sustainable manner. Studies on sustainable development and the sustainable use and management of natural resources have been a major focus of the research activities of CEENR. Accordingly, the Centre strives to work on frontline issues such as: (a) Natural resource use and management, (b) Development and conservation, (c) Economics of biodiversity conservation and institutional alternatives, (d) Valuing ecosystem services and green accounting (e) Economic growth, resource depletion and pollution, (f) Renewable energy and alternative fuels, (g) Urban ecology, (h) Integrated water resources management and water quality issues, (i) Gender and Environment /Environmental Governance (j) Sustainable rural development, production system analysis, land use/land cover analysis (k) Climate change and its impact on socio-ecological systems – mitigation and adaptation, (l) Protected area management, (m) GIS and remote sensing in landscape research and ecological modeling, (n) Environment and wellbeing, Environment and Health, Capacity building and outreach. For more details please see: <http://www.isec.ac.in/ecology.htm#>

THEME:

The conference intends to focus on presentations from scientists on the quickly changing atmosphere and its resultant effects. These adaptive actions can include reducing the existing pressure on biodiversity, enhancement of food supply system management via improved agriculture practices (both horticulture and livestock) and modifying livelihood arrangements. By bringing together experts from different fields,

we can add to a more manageable scene for India's biodiversity hotspots and we might have the capacity to secure our precious resources of bio-structures which are at hazard in view of the then position of nature. Research papers and articles relating to the following topics are cordially invited.

ConferenCe Themes

| |
|-------------------------------------------------------------------------------------------------------------------------------------------|
| ✓ Biodiversity, ecological security and climate change |
| ✓ Environmental monitoring of biological markers in plants and animals including humans with regard to mitigation and adaptation measures |
| ✓ Common Property Resource Dependent communities and climate Change |
| ✓ Integrated approaches to natural resource conservation |
| ✓ Impact of climate change on food security |
| ✓ Climate change and sensitive ecosystems |
| ✓ Traditional Crops: A solution to sustainable agriculture in biodiversity hotspots |
| ✓ Food security, Risk Management and Climate change in biodiversity Hotspots |
| ✓ Building resilience in farmers to increase agricultural productivity |
| ✓ Ecosystem service valuation and economic development in sensitive Ecosystems |
| ✓ RS GIS in understanding landscape dynamics |
| ✓ Sustainable utilization of resources and their management at public level |

GENERAL GUIDELINES

- (I) Abstracts should be within 300 words and must be submitted in the provided email: ceenr.aus@gmail.com
- (II) Deadline for abstract submission is **30th May, 2017**. Notifications of acceptance will be sent to corresponding authors by **07th June 2017**. Scheduling information and instruction on poster preparation will be included with this notification.

- (III) Corresponding authors are responsible for ensuring that all co-authors have read and approved the abstract submission.
- (IV) Submission not conforming to established submission guidelines will not be reviewed.

ABSTRACTS:

--Abstracts must be typed, single spaced using Times Roman typeface in 10 point size only. Abstracts text must be single line spaced and justified at the left margin only. Do not leave blank lines between paragraphs. Do not indent.

--Abstract title should appear in bold. Do not indent. The title should be concise and reflect the content of the abstract.

--Use first initial followed by last name. Omit degrees. For paper submissions, place an asterisk (*) after the name of the author presenting the paper. On a separate line, type as succinctly as possible the names of institutions and countries. Leave one line blank in between the title/ author block and the abstract text. The abstract text should include background, methods, results, and conclusion.

--Use italics only when appropriate (e.g. for names of genus and species). Simple tables and graphs (black and white) may be included.

--Abstracts will be published as submitted, i.e. any error appearing in the submitted abstract will appear in the published abstract book.

--Each abstract must be submitted in electronic form as an MS Word for Windows document.

POSTERS:

Posters should be 1m in height and 1.5m in width.

KEY DATES

| Description | Dates |
|----------------------------------------|-----------------------------|
| Last date for Submission of Abstract | 30 th May, 2017 |
| Acceptance of abstract | 07 th June, 2017 |
| Last date for Submission of Full paper | 30 th June, 2017 |
| Last date of Early Bird Registration | 20 th June, 2017 |

REGISTRATION FEE

| Description | Early Bird | | Regular | | On site | |
|-----------------------------|------------|---------------|---------|---------------|---------|---------------|
| | Indian | International | Indian | International | Indian | International |
| Student / Researcher | Rs.1800 | US \$ 90 | Rs.2000 | US \$ 100 | Rs.2200 | US \$ 120 |
| Academic | Rs.2800 | US \$ 130 | Rs.3000 | US \$ 150 | Rs.3500 | US \$ 180 |
| Industry | Rs.4500 | US \$ 220 | Rs.5000 | US \$ 250 | Rs.5500 | US \$ 280 |
| Associate | Rs.1800 | US \$ 90 | Rs.2000 | US \$ 100 | Rs.2200 | US \$ 120 |

Registration fee is to be paid by using following bank details. Registration does not include accommodation. The conference registration fees include:

- A participant kit
- A printed abstract book
- Access to all official conference sessions
- Tea/Coffee breaks
- Admission to the Welcome Reception
- Admission to the banquet

Bank details for online deposit

| | |
|----------------|-------------------------------------|
| Account Name | Assam University Project Account II |
| Account Number | 20050110035450 |
| Bank Name | UCO Bank, Assam University Branch |
| IFSC Code | UCBA0002005 |
| Branch Code | 002005 |

Register here:

<https://goo.gl/forms/z5SPvFKeJqIWqRAh2>

PATRON

Prof. Dilip Chandra Nath

Vice Chancellor, Assam University, Silchar, India

CONVENORS

Dr. Sunil Nautiyal

Professor and Head
Centre for Ecological Economics
and Natural Resources (CEENR),
Institute for Social and Economic
Change, Bengaluru, India
Email: sunil@isec.ac.in
ceenr.aus@gmail.com

Dr. Niranjana Roy

Professor and Head
Department of Economics and
Dean, MG School of Economics
and Commerce, Assam University,
Silchar, India
Email: niranjana.roy@aus.ac.in
ceenr.aus@gmail.com

Dr. Shubhadeep Roychoudhury

Assistant Professor
Department of Life Science and
Bioinformatics, Assam
University, Silchar, India
Email: shubhadeep1@gmail.com
ceenr.aus@gmail.com

ORGANIZING SECRETARY

Dr. Avijit Debnath

Department of Economics
Assam University, Silchar
Email: debnath_avi@yahoo.com
ceenr.aus@gmail.com

and

Mr. Y. D. Imran Khan

Centre for Ecological Economics and Natural Resources
Institute for Social and Economic Change, Bengaluru, India
Email: ikeducationkhan08@gmail.com/ceenr.aus@gmail.com

ADVISORS

Prof. Dulal C. Ray, Dean, School of Environmental Science.
Prof. Sanjib K. Panda, Head, Department of Life Science and Bioinformatics .
Prof. N. Pandey, Dean, School of Earth Science.
Prof. Supriyo Chakraborty, Head, Department of Biotechnology.
Prof. Sumanash Dutta, Department of Economics.
Prof. Alok Sen, Department of Economics.
Prof. M.A. Ansari, Department of Economics.

MEMBERS

Dr. Ritwik Majumder, Department of Economics
Dr. Sagarika Dey, Department of Economics
Dr. Raju Mandal, Department of Economics
Dr. Srabanti Maity, Department of Economics
Sri Manash Roy, Department of Economics
Dr. Hilloljyoti Singha, Department of Ecology and Environmental Science
Dr. Bidhan Mahanta, Department of Physics
Dr. Partha Palit, Department of Pharmaceutical Science.

REGISTRATION FORM

1. Name (In capital letters):_____.

2. Contact No 1. _____ 2. _____.

3. Email address _____.

4. (a) Gender _____ (b) Age _____.

5. Address _____.

6. Designation: _____.

7. Affiliation: _____.

8. Title of Presentation (if any) _____.

_____.

9. Accommodation required: Yes No

10. Registration Category:

Student Industry Faculty/Scientist

11. Registration fee enclosed: Yes No

D.D No. _____ Amount _____.

Draw on Bank _____ Date _____.

12. Vegetarian Non-vegetarian

Date _____ Signature _____.

Name of Account: Assam University Project Account II
Account No.: 20050110035450
Bank and Branch: UCO Bank, Assam University Branch
IFSC: UCBA0002005