

INSEE

Indian Society for Ecological Economics



INSEE - CESS International Conference on

Climate Change and Disasters: Challenges, Opportunities and Responses

The Tenth INSEE Biennial Conference

Organised jointly with

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
&
National Institute of Rural Development and Panchayati Raj, Hyderabad

6 - 8 November 2019

Venue : Centre for Economic and Social Studies, Hyderabad

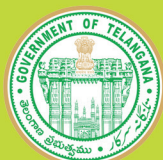
Programme



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DEVELOPMENT



Indian Council of
Social Science Research



PROGRAMME

DAY 1: 6th November 2019, Wednesday

(Venue: Auditorium)

08.30-09.30: Registration

09.15-11.30: Inaugural Session

Chair : C.H. Hanumantha Rao

(Past President of INSEE, Former Chairman and Honorary Professor, Centre for Economic and Social Studies, Hyderabad)

09.15-09.25	Introduction	Lavanya Suresh Member, Local Organising Committee
09.25-09.35	Welcome	E Revathi Director, Centre for Economic and Social Studies, Hyderabad
09.35-9.40	Inauguration	Lighting of the Lamp
09.40-10.10	Inaugural Address: <i>Imperatives for Confronting Climate Change and Natural Disasters</i>	Vinod Thomas Former Senior Vice President, The World Bank; Special Adviser to the President, Dean of Asian Institute of Management, Manila; Visiting Professor, National University of Singapore and Former Director General of International Evaluation, Asian Development Bank.
10.10-10.40	Address by the Guests of Honour	V Praveen Rao Vice Chancellor, Prof. Jayashankar Telangana State Agriculture University, Hyderabad Rajeev Ahal Director, Natural Resource Management, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), India W. R. Reddy, IAS Director General, National Institute of Rural Development and Panchayati Raj, Hyderabad Malavika Chauhan / Amitanshu Choudhary Tata Trust, Mumbai
10.40-11.10	Presidential Address	K N Ninan President, Indian Society for Ecological Economics, New Delhi
11.10-11.15	About the Conference	Jeena T Srinivasan Organizing Secretary of the conference
11.15-11.25	Remarks by Chair	
11.25-11.30	Vote of Thanks	Lavanya Suresh
11.30-11.35	Group photo	Lawn in front of the auditorium
11.35-12.00	<i>Tea/Coffee Break</i>	<i>Car Parking Area</i>

12.00-13.30 (Parallel):Panel Session (PS) 1

PS 1.1: How IWRM in India can be more Climate Resilient?

(Venue: Auditorium Seminar Hall)

Chair/Moderator: Rajeev Ahal

(Director, Natural Resource Management, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), India)

12.00-13.30

Speakers:

Jagdish Purohit

Programme Director, Society for Promotion of Wasteland and Development, New Delhi

Jyothis Sathyapalan

Professor, NIRDPR

(TBA)

Official from Environmental Protection Training and Research Institute (EPTRI)

PS 1.2: Climate & Disaster Resilient Urban Development

(Venue: Seminar Hall I, 1st Floor, Main Building)

Chair/Moderator: Jyoti K Parikh

(Executive Director, Integrated Research and Action for Development (IRADe), Delhi)

Rohit Magotra

(Deputy Director, Integrated Research and Action for Development (IRADe), Delhi)

12.00-13.30

Speakers:

V Srinivasa Chary

Director, Centre for Energy, Environment, Urban Governance and Infrastructure Development, Administrative Staff College of India, Hyderabad

Lipika Nanda

Vice President, Multi-sectoral Planning in Public Health, PHFI

Rajikiran Bilolikar

Associate Professor, Centre for Energy, Environment, Urban Governance and Infrastructure Development, Administrative Staff College of India, Hyderabad

PS 1.3: Adapting to Climate Change in South Asian Cities (SANDEE-ACD Panel)

(Venue: Seminar Hall II, 2nd Floor, Main Building)

Chair/Moderator: E. Somanathan

(Professor, Economics and Planning Unit, Indian Statistical Institute, New Delhi)

12.00-13.30

Speakers:

Mani Nepal

Program Coordinator SANDEE & Lead Economist,
International Center for Integrated Mountain
Development, Nepal

A K Enamul Haque

Professor, East-West University and Executive Director,
Asian Centre for Development, Bangladesh

Muntaha Rakib

Associate Professor, Shahjalal University of Science
and Technology, Sylhet, Bangladesh

Ismat Ara Pervin

Institute of Water Modelling, Bangladesh

13.30-14.30 *Lunch*

Car Parking Area

14.30- 16.00: Plenary Session 1

Climate Resilient Growth in India: Strategies and Measures

(Venue: Auditorium Main Hall)

Chair: Shreekant Gupta

(Professor, Delhi School of Economics and Vice President, Indian Society for Ecological
Economics)

14.30-14.40

Introduction

Shreekant Gupta

14.40-15.10

Keynote address:
*Low Carbon Strategy for
Inclusive Growth*

Kirit Parikh

Chairman, Integrated Research and Action for
Development, (IRaDe), New Delhi.

15.10-15.40

Keynote address:
*Water Security and
Climate Change Adaptations:
Experiences and Way Forward*

Rajeev Ahal

Director, Natural Resource Management, Deutsche
Gesellschaft für Internationale Zusammenarbeit (GIZ),
India

15.40-15.50

Discussion

15.50-16.00

Remarks by Chair

Shreekant Gupta

16.00-16.30

Tea/Coffee Break

Car Parking Area

16.30-18.00 (Parallel): Technical Session (TS) 1

TS 1.1: Growth, Human Well Being and SDGs

(Auditorium Seminar Hall)

Chair: M N Murty

(Former Professor, Institute of Economic Growth, Delhi)

Co-chair: Amalendu Jyotishi

(Professor, Amrita Viswa Vidhyapeetham, Bengaluru)

16.30-16.45	<i>Ability-Biased Technical change, Economic Growth and the Environment</i>	Saheli Das and Meeta Keswani Mehra
16.45-17.00	<i>Issue of Conditional Green Convergence: A Study of Selected OECD Countries</i>	Abhishek Dutta and Maniklal Adhikary
17.00-17.15	<i>Depreciation of Capital due to Natural Disasters and Adjusted Net Domestic Product</i>	Amarendra Das , Dasarathi Padhan and Chinmayee Sahoo
17.15-17.30	<i>Gender Equality, Food Security and the Sustainable Development Goals</i>	Bina Agarwal
17.30-17.45	<i>Fiscal Transfers, Natural Calamities and Partisan Politics - Evidence from India</i>	Anubhab Pattanayak and K.S. Kavi Kumar
17.45-17.55	Discussion	
17.55-18.00	Remarks by Chair/Co-chair	

16.30-18.00 (Parallel): Technical Session (TS) 1

TS 1.2: Vulnerability, Impact and Adaptation to Climate Change

(Venue: Seminar Hall I, 1st Floor, Main Building)

Chair: Malavika Chauhan / Amitanshu Choudhary

(Tata Trust, Mumbai)

Co-chair: Rakesh Kumar Sharma

(Associate Professor, Himachal Institute of Public Administration, Shimla)

16.30-16.45	<i>Climate Change in the Agriculture Sector Across Different Agro-Ecosystems: A Micro Level Analysis from Four Southern States of India</i>	Sushanta Mahapatra , G Sridevi and Amalendu Jyotishi
16.45-17.00	<i>Impact of 2018 Flood on Riverine Micro Ecosystems: A Case Study in Manali River at Thrissur, Kerala</i>	P. Athulya , T.V. Sajeev and S. Rajathy
17.00-17.15	<i>Socio-Economic-Environmental Impacts of Climate Change Aspirational District (Haryana)</i>	Susmita Mitra , Pradeep K. Mehta and Sudipta Kumar Mishra

17.15-17.30	<i>Valuing the Carbon Sequestration Regulation Service by Hokersar Wetland of Kashmir Himalaya</i>	Irfan Rashid , Ishfaq Ahmad Sheergojri, Ishfaq ul Rehman and Irfan Rashid
17.30-17.45	<i>Impact of Environmental Shocks on Livelihood Diversification in Rural India: Evidence from Large Scale Survey Data</i>	Chhavi Tiwari and Sankalpa Bhattacharjee
17.45-17.55	General discussion	
17.55-18.00	Remarks by Chair/Co-chair	

16.30-18.00 (Parallel): Technical Session (TS) 1

TS 1.3: Vulnerability to Floods

(Venue: Seminar Hall II, 2nd Floor, Main Building)

Chair: Amita Shah

(Past President of INSEE and Former Professor and Director, Gujarat Institute for Development Research, Ahmedabad)

Co-chair: Prajna Paramita Mishra

(Assistant Professor, University of Hyderabad)

16.30-16.45	<i>Flood Vulnerability of Marginal Caste Communities in the Kosi Region North Bihar</i>	Ranjeet Kumar Sahani , Siddhartha Krishnan and Shrinivas Badiger
16.45-17.00	<i>Assessing the Determinants of Social Vulnerability to Floods in Bihar, India</i>	Rupak Kumar Jha and Haripriya Gundimeda
17.00-17.15	<i>India's Preparedness to Address Urban Flood Through Institutional Mechanism in Comparison to Asian Countries</i>	Satarupa Rakshit and Zareena Begum Irfan
17.15-17.30	<i>A Review of the Kerala Flood - Assessing Losses, Damages and Recovery Pattern</i>	Harshan T. P
17.30-17.55	Discussion	
17.55-18.00	Remarks by Chair/Co-chair	

16.30-18.00 (Parallel): Technical Session (TS) 1

TS 1.4: Environmental and Climate Justice

(Venue: Classroom, Ground Floor, Main Building)

Chair: Jayanta Bandyopadhyay

(Past President of INSEE and Former Professor, Indian Institute of Management, Kolkotta)

Co-chair: Brototi Roy

(Ph.D Student, Institute of Environmental Science and Technology, Autonomous University of Barcelona, Spain)

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|-------------|---|---|
| 16.30-16.45 | <i>Relocation from Protected Areas as Violent Process in the Recent History of Biodiversity Conservation in India</i> | Eleonora Fanari |
| 16.45-17.00 | <i>Change in Climate, Cropping Pattern and Food Sovereignty in Eastern Himalayan Hills</i> | Deena Gurung |
| 17.00-17.15 | <i>Alternative Ways of Understanding Ecological Conservation Practices to Enable Environmental Justice for All</i> | Lavanya Suresh and Anwasha Mohanty |
| 17.15-17.30 | <i>Climate Justice: Is a Robust Legal Framework Need of the Hour?</i> | Rakesh Chandra |
| 17.30-17.45 | <i>Measuring the Socio-economic Vulnerability of the Coastal Ecosystem: A Case Study of Indian Sundarbans</i> | Sneha Biswas |
| 17.45-17.55 | Discussion | |
| 17.55-18.00 | Remarks by Chair/Co-chair | |

**18.15-18.45: Session by Springer
(Auditorium Main Hall)**

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| 18.15-18.45 | Publishing Ethically: Best and Not-so-Good Practices | Nupur Singh, Springer Nature |
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**18.45-19.45 INSEE General Body Meeting
(Auditorium Seminar Hall) (For INSEE Members Only)**

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|--------------|---------------------------|-----------------------------|
| 19.30-20.30 | <i>Cultural Programme</i> | <i>Auditorium Main Hall</i> |
| 20.30 -21.30 | <i>Dinner</i> | <i>Car Parking Area</i> |

DAY 2: 7th November 2019, Thursday

09.15-10.15: Plenary Session 2

Bina Agarwal Prize - Award Ceremony

(Venue: Auditorium Main Hall)

Chair: K N Ninan

(President, Indian Society for Ecological Economics)

09.15-09.20	Welcome	K N Ninan
09.20-09.30	About the Prize	Bina Agarwal Donor of the Prize
09.30-09.35	Reading of the Citation	E Somanathan Member, Prize Jury
09.35-09.45	Presentation of the Award and Citation	Bina Agarwal and E Somanathan respectively
09.45-10.10	Response by the awardee	Joan Martinez Alier Institute of Environmental Science and Technology, Autonomous University of Barcelona, Spain
10.10-10.15	Vote of thanks	Jeena T Srinivasan , Secretary, Indian Society for Ecological Economics
10.15-10.30	<i>Tea/Coffee Break</i>	<i>Car Parking Area</i>

10.30-12.00: Plenary Session 3

The Work and Findings of the Intergovernmental Panel on Climate Change

(Venue: Auditorium Main Hall)

Chair: Thomas Sterner

(Professor of Environmental Economics, University of Gothenburg, Sweden)

10.30 -11.30	<i>Climate Science and Models</i>	Krishna Achuta Rao Associate Professor, Centre for Atmospheric Sciences at Indian Institute of Technology, Delhi
	<i>Main Messages from Special Report on 1.5° C in Sustainable Development Context</i>	Joyashree Roy Bangabandhu Chair Professor at AIT, Thailand and Professor (on lien), Department of Economics,

*Special Report on the Ocean and
Cryosphere in a Changing Climate*

Jadavpur University

Anjal Prakash

Associate Professor and Associate Dean
- Business Development at TERI-SAS
Hyderabad Campus

*Special report on Climate Change and
Desertification, Degradation, Sustainable
Land Management, Food Security and
Greenhouse Gas Fluxes in Terrestrial
Ecosystems*

Jagdish Krishnaswamy

Ashoka Trust for Ecology and the
Environment (ATREE), Bengaluru

*IPCC process and Scope for Participation
in AR6*

Joyashree Roy

Bangabandhu Chair Professor at AIT,
Thailand and Professor (on lien),
Department of Economics, Jadavpur
University

11.30-12.00 Discussion

12.00 - 13.00 Plenary Session 4

Felicitations

(Venue: Auditorium Main Hall)

Chair: K N Ninan

(President, Indian Society for Ecological Economics)

Conferring the Lifetime Achievements Award on:

C H Hanumantha Rao

Past President of INSEE and Resident
of Hyderabad

Conferring the Honour and Title of INSEE Fellows on:

M N Murty

Professor (Retired) and Senior
Consultant, Institute of Economic
Growth, Delhi

Ramprasad Sengupta

Professor Emeritus of Economics, Centre
for Economic Studies and Planning, &
Former Dean of School of Social
Sciences, Jawaharlal Nehru University,
New Delhi

Madhu Verma

Professor, Indian Institute of Forest
Management, Bhopal

13.00-14.00 *Lunch*

Car Parking Area

14.00-16.00 (Parallel): Technical Session (TS) 2

TS 2.1: Climate Vulnerability: Agriculture and Food Security

(Venue: Auditorium Seminar Hall)

Chair: Gopal Kadekodi

(Past President of INSEE and Honorary Professor, Centre for Multi-disciplinary Research,
Dharward)

Co-chair: Krishan Tyagi

(Natural Resource Management Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
GmbH, India.)

14.00-14.15	<i>District Scale Vulnerability Index to Climate Variability for Vidarbha Region, Maharashtra, India</i>	Deepika Swami and Devanathan Parthasarathy
14.15-14.30	<i>Climate Change and Paddy Cultivation: The Relevance of GI Tagged Pokkali Rice from Kerala</i>	Soumya Vinayan and N Lalitha
14.30-14.45	<i>Climate Change, Food Security and Poverty of Vulnerable Groups: A Case of Two Villages</i>	G Sridevi and Amalendu Jyotishi
14.45-15.00	<i>Loss and Damage from Floods in India: Influence of Human Development, Income and Inequality</i>	Chandra Sekhar Bahinipati and Unmesh Patnaik
15.00-15.15	<i>Studying the Climate Change Risk for Finger Millet Crop: Empirical Evidence from Karnataka</i>	Pradyot Ranjan Jena and Rajesh Kalli
15.15-15.30	<i>Stress Adaptation and Farmer Preferences: A Bidding Experiment on Stress Tolerant Rice Varieties (STRVs) in Eastern India</i>	Lisa Mariam Varkey , Vikram Patil and Prakashan Chellattan Veetil
15.30-15.50	Discussion	
15.50-16.00	Remarks by Chair/Co-chair	
16.00-16.30	<i>Tea/Coffee Break</i>	<i>Car Parking Area</i>

14.00-16.00 (Parallel): Technical Session (TS) 2

TS 2.2: Adaptation of Agriculture to Climate Change

(Venue: Seminar Hall I, 1st Floor, Main Building)

Chair: Bina Agarwal

(Professor, Manchester University, U.K and Former Director, Institute of Economic Growth)

Co-chair: R Balasubramanian

(Professor, Tamil Nadu Agricultural University, Coimbatore)

14.00-14.15	<i>Scaling - up of Climate Resilient Agricultural Practices through Sustainable Livelihood and Adaptation to Climate Change (SLACC)</i>	V. Suresh Babu , K. Krishna Reddy, Ravindra S. Gavali, Basavaraj Patil, A. Bhagawat
14.15-14.30	<i>Impact of short duration climate smart variety on cropping pattern of indigenous agricultural systems</i>	Prabhakaran T. Raghu , Prakashan C. Veetil and Mayank Sharma
14.30-14.45	<i>Crop Insurance for Adaptation to Climate Change in Odisha: Some Micro-Evidence from Bolangir District</i>	Mamata Swain and Basanti Renu Hembram
14.45-15.00	<i>Multi-criteria analysis and ex-ante assessment to prioritise and scale up climate smart agriculture in semi-arid tropics, India</i>	Shalander Kumar , K Dakshina Murthy, Elias Khan Patan, Murali K Gumma, Arun Khatri-Chhetri and Anthony Whitbread.
15.00-15.30	Discussion	
15.30-16.00	Remarks by Chair/Co-chair	
16.00-16.30	Tea/Coffee Break	Car Parking Area

14.00-16.00 (Parallel): Technical Session (TS) 2

TS 2.3: Climate Resilient Measures in Rural India

(Venue: Seminar Hall II, 2nd Floor, Main Building)

Chair: M Gopinath Reddy

(Former Professor and Consultant, Centre for Economic and Social Studies, Hyderabad)

Co-chair: Meekha Hannah Paul

(Natural Resource Management, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), India)

14.00-14.15	<i>Building A Climate Resilient Rural India: Nature-based-Solutions for Water</i>	Neeraj Mishra , Jyothis Satyapalan and Anagha Mariya Jose
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	<i>Ecosystems in MGNREGA Programs.</i>	
14.15-14.30	<i>Addressing Climate Resilience approaches through MGNREGS Assets in Telangana State</i>	P. Anuradha , K. Jayasree, V. Suresh Babu and V. Srinivasa Rao
14.30-14.45	<i>Assets Creation under MGNREGS and its Contribution to Adaptive Capacity of the Rural Communities in Drought Prone Districts of Rajasthan and Karnataka</i>	Anagha Mariya Josea and Anuradha Palla
14.45-15.00	<i>Adoption of Soil Conservation Measures: Evidence from Rain-Fed Watershed Areas of Telangana</i>	Dayakar Peddi
15.00-15.15	<i>Re-looking into Micro Irrigation Models in India to Adapt to Climate Change</i>	Krishna Reddy Kakumanu , Shrikant V Mukate, V Suresh Babu and Ravindra S Gavali
15.30-15.50	Discussion	
15.50-16.00	Remarks by Chair/Co-chair	
16.00-16.30	<i>Tea/Coffee Break</i>	<i>Car Parking Area</i>

14.00-16-00 (Parallel): Technical Session (TS) 2

TS 2.4: Institutions and Sustainability

(Venue: Classroom, Ground Floor, Main Building)

Chair: Madhu Verma

(Professor, Indian Institute of Forest Management, Bhopal)

Co-chair: L Venkatachalam

(Professor, Madras Institute of Development Studies, Chennai)

14.00-14.15	<i>How Do Water Institutions Perform? The Case of Canal Water User Association in South India</i>	Durga A.R. , K. Chandran and D. Suresh Kumar
14.15-14.30	<i>Interventions for Sustainable Fishing in Sundarbans: A Scoping Analysis</i>	Saptarsi Chakraborty
14.30-14.45	<i>Framing Management Plan for the Conservation of Sacred Groves of Kachch, Gujarat, Based on Stakeholders' Analysis</i>	Amit Pandey and Kavita Sardana
14.45-15.00	<i>Adaption of Grid Connected Solar Rooftop Systems in the State of Jammu</i>	Aaina Dutta and Sukanya Das

and Kashmir: A Stakeholder Analysis

15.00-15.15 *Clean Energy at the Cost of Food? Effects of Hydro-electric Projects on Local Agriculture in Sikkim* **Bickey Sharma**

15.15-15.45 Discussion

15.45-16.00 Remarks by Chair/Co-chair

16.00-16.30 *Tea/Coffee Break* *Car Parking Area*

16.30-18.00: Panel Session (PS) 2

PS 2.1: Local Action Plan on Climate Change: Methodology and Action

(Venue: Auditorium Seminar Hall)

Chair/Moderator: Joy Elamon

(Director, Kerala Institute of Local Administration, Thrissur)

16.30-18.00

Speakers:

Sunny George

Professor, Kerala Institute of Local Administration, Kerala

J B Rajan

Associate Professor, Kerala Institute of Local Administration, Kerala

K S Shibu

President, Perumbalam Grama Panchayat, Kerala

K. Sobha

Secretary, Perumbalam Grama Panchayat, Kerala

Sasidharan Nair

Resource Person, Perumbalam Grama Panchayat, Kerala

PS 2.2: Martin Weitzman's Contributions to Environmental Economics

(Venue: Seminar Hall 1, 1st Floor, Main Building)

Chair/Moderator: Thomas Sterner

(Professor of Environmental Economics, University of Gothenburg, Sweden)

16.30-18.00

Speakers:

Shreekant Gupta

Professor, Delhi School of Economics,

Delhi

M N Murty

Professor (Retired), Institute of Economic Growth, Delhi

Ramprasad Sengupta

Professor Emeritus of Economics, Centre for Economic Studies and Planning, & Former Dean of School of Social Sciences, Jawaharlal Nehru University, New Delhi

PS 2.3: MGNREGS Contribution to Climate Change Mitigation and Adaptation
(Venue: Seminar Hall II, 2nd Floor, Main Building)

Chair/Moderator: Jyothis Sathyapalan

(Professor, CWE, National Institute of Rural Development and Panchayati Raj, Hyderabad)

16.30-18.00

Speakers:

N H Ravindranath

Former Professor, Indian Institute of Science, Bengaluru

A Digambar

Associate Professor, National Institute of Rural Development and Panchayati Raj, Hyderabad

Neeraj Mishra

Associate Professor, National Institute of Rural Development and Panchayati Raj, Hyderabad

P Anuradha

Assistant Professor, National Institute of Rural Development and Panchayati Raj, Hyderabad

19.30-20.30 *Dinner*

Car Parking Area

DAY 3: 8th November 2019, Friday

9.30-11.00: Plenary Session 5

Climate: Economics and Institutions
(Auditorium Main Hall,)

Chair: Kanchan Chopra

(Past President, Indian Society for Ecological Economics and Former Professor and Director,
Institute of Economic Growth, Delhi)

Speakers:

09.30-09.35	Introduction	Kanchan Chopra
09.35-10.00	<i>Keynote address:</i> <i>Institutional Reform for Managing the Environment in India</i>	E Somanathan Professor, Economics and Planning Unit, Indian Statistical Institute, New Delhi
10.00-10.25	<i>Keynote address:</i> <i>Dealing With the Climate in an Efficient, Fair and Feasible Manner: What Can We Learn from Economics?</i>	Thomas Sterner Professor, University of Gothenburg, Sweden
10.25-10.50	<i>Keynote address:</i> Climate Change, Forests and Biodiversity: Impact, Vulnerability and Adaptation - Challenges and Opportunities	N H Ravindranath Former Professor, Indian Institute of Science, Bengaluru
10.50-11.10	Discussion and remarks by Chair	
11.10-11.30	<i>Tea/Coffee Break</i>	<i>Car Parking Area</i>

11.30-13.00 (Parallel): Panel Session (PS) 3

PS 3.1: Climate Change and Indian Agriculture: Methodological Issues

(Venue: Auditorium Seminar Hall)

Chair/Moderator: Anubhab Pattanayak

(Assistant Professor, Madras School of Economics, Chennai)

11.30-13.00	<i>Speakers :</i> Sonal Barve Research Intern, RBI, Mumbai Dayakar Peddi Assistant Professor Centre for Economic and Social Studies K S Kavi Kumar Professor, Madras School of Economics
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PS 3.2: Climate Change, Adaptation and Mitigation - A Focus on Rainfed Agriculture

(Venue: Seminar Hall I, 1st Floor, Main Building)

Chair/Moderator: E Revathi

(Director, Centre for Economic and Social Studies)

11.30-13.00

B Venkateswarlu

Former Vice-Chancellor, Vasant Rao Naik
Marathwada Krishi Vidyapeeth,
Parbhani, Maharashtra and Former
Director, Central Research Institute for
Dryland Agriculture (CRIDA),
Hyderabad, Telangana

Ravindra Chary

Director, CRIDA, Hyderabad

Nambi Appadurai

Director (Climate Resilience Practice),
World Resources Institute, Bengaluru,
Karnataka

S Naresh Kumar

Professor and Principal Scientist, Centre
for Environment Science and Climate
Resilient Agriculture, PUSA, New Delhi

PS 3.3: Building Climate Resilience: Lessons from 'Commoning' the Commons

(Venue: Seminar Hall II, 2nd Floor, Main Building)

Chair/Moderator: Rucha Ghate

(Foundation for Ecological Security, Anand)

11.30-13.00

Speakers:

Pratiti Priyadarshini

Foundation for Ecological Security, Anand

Himani Sharma

Foundation for Ecological Security, Anand

Shiwanaya Rawat

Foundation for Ecological Security, Anand

Liya Thomas

Foundation for Ecological Security, Anand

PS 3.4: Climate Change Vulnerability Assessment in the Indian Himalayan Region

(Venue: Classroom, Ground Floor, Main Building)

Chair/Moderator: Anamika Barua

(Associate Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Guwahati)

11.30-13.00

Speakers:

Shyamasree Dasgupta

Assistant Professor, School of Humanities and Social Sciences, Indian Institute of Technology Mandi, Himachal Pradesh

N H Ravindranath

Former Professor, Indian Institute of Science, Bengaluru

T Brajakumar Singh

Directorate of Environment and Climate Change, Government of Manipur

13.00-14.00 *Lunch*

Car Parking Area

14.00-16.00 (Parallel): Technical Session 3

TS 3.1: Ecosystem Services, Resource Dependency and Disaster Recovery

(Venue: Auditorium Seminar Hall)

Chair: P S Easa

(Former Director, Kerala Institute of Forest Research, Thrissur)

Co-chair: Santadas Ghosh

(Associate Professor, Department of Economics & Politics, Visva-Bharati, Santiniketan)

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| 14.00-14.15 | <i>Post-disaster Recovery in Coastal Fishing Communities</i> | Trupti Mishra and Krishna Malakar |
| 14.15-14.30 | <i>An Economic Analysis of the Impacts of Anthropogenic Climate Change on Agriculture: A Case Study on Hyderabad Karnataka and Coastal Areas</i> | Jagadeesh and P. S Sasdhar |
| 14.30-14.45 | <i>Cultural Ecosystem Services and Forest Dependency- Assessment of Recreational Demand for Parambikulam Tiger Reserve, Kerala, India</i> | Divya Soman and V. Anitha |

14.45-15.00	<i>Reducing Ecological Stress through Subsidized Rice: Findings from Sundarbans Delta</i>	Sreejit Roy
15.00-15.15	<i>Prediction Modelling for Land Use Land Cover (LULC) in the Urmodi River Watershed, Maharashtra</i>	Wasim A. Bagwan and Ravindra S. Gavali
15.15-15.45	Discussion	
15.45-16.00	Remarks by Chair/Co-chair	

14.00-16.00 (Parallel): Technical Session 3

TS 3.2: Climate Mitigation: Industry and Infrastructure

(Venue: Seminar Hall 1, 1st Floor, Main Building)

Chair: Pranab Mukhopadhyay

(Past President of INSEE and Professor, University of Goa, Goa)

Co-chair: Tapas Kumar Sarangi

(Assistant Director, National Institute of Labour Economics Research and Development, Delhi)

14.00-14.15	<i>Potential Mitigation Strategies for Road Transport Sector of India</i>	Namita Singh, Trupti Mishra and Rangan Banerjee
14.15-14.30	<i>Green Growth and the Right to Energy in India</i>	Rohit Azad and Shouvik Chakraborty
14.30-14.45	<i>Adoption of Renewable Energy: Challenges in the Household Sector</i>	Smita Bhaskar
14.45-15.00	<i>Carbon Mitigation and Fuel Efficiency Improvement Strategy for North Indian Brick Industry</i>	Priyanka Jajal, Trupti Mishra, Chandra Venkataraman and Alok Jhaldiyal
15.00-15.15	<i>Environmental Disclosure Regulation and Decarbonization of Indian Industries: Evidence from FirmLevel Data</i>	Mousami Prasad
15.15-15.35	<i>Estimating Shadow Price of Water Pollutants: A Case of Kanpur Leather Industry in India</i>	Aparajita Singh and Haripriya Gundimeda
15.35-15.55	Discussion	
15.55-16.00	Remarks by Chair/Co-chair	

14.00-16.00 (Parallel): Technical Session 3

TS 3.3: Conservation, Economic Value and Climate Change Impact

(Venue: Seminar Hall II, 2nd Floor, Main Building)

Chair: K S Kavi Kumar

(Professor, Madras School of Economics, Chennai)

Co-chair: Manjula Menon

(MS Swaminathan Research Foundation, Chennai)

14.00-14.15	<i>Conserving Mangroves in Sundarbans through Clean Cooking Fuel: Field Evidences</i>	Tapas Kumar Sutradhar
14.15-14.30	<i>Estimating the Economic Benefits of Universal Health Coverage for Climate-Induced Diseases in Southwest Coastal Region of Bangladesh</i>	Md. Hafiz Iqbal and Md. Elias Hossain
14.30-14.45	<i>Does Economic Development and Disaster Adaptation Measures Reduce the Impact of Natural Disasters? A District Level Analysis from the State of Odisha, India</i>	Prakash Kumar Sahoo, Yashobanta Parida, Prarthna Agarwal Goel and Tapaswini Nayak
14.45-15.00	<i>Marginal Value of Sub-Watershed Treatment on Profit and labour Demand in Darjeeling District, India</i>	Chandan Singha
15.00-15.15	<i>A Time Series Study of Monsoon Rainfall Behaviour in Odisha - 1871 to 2016: An inquest into Climate Change</i>	Abhilas Kumar Pradhan
15.15-15.35	<i>Fertilizer Use and Rainfall Shocks in Indian Agriculture</i>	Kaushik Bora
15.35-15.55	Discussion	
15.35-15.55	Remarks by Chair/Co-chair	

14.00-16.00 (Parallel): Technical Session 3
TS 3.4: Sustainability: Infrastructure, Health and Water
(Venue: Class Room, Ground Floor, Main Building)

Chair: C Ramachandraiah
(Professor, Centre for Economic and Social Studies, Hyderabad)

Co-chair: K H Anantha
(Scientist, International Crop Research Institute for Semi-arid Tropics, Hyderabad)

14.00-14.15	<i>Is Electric Street Car a Sustainable Public Transport System in India? A Demand Side Analysis</i>	Oindrila Dey and Debalina Chakravarty
14.15-14.30	<i>Sanitation Deficiency Induced Health Costs in the Slums of Lucknow, Uttar Pradesh</i>	Sanatan Nayak and Soma Samanta
14.45-15.00	<i>Circular Sanitation Economy in India: Evidence from Amberpet Sewage Treatment Plant, Hyderabad</i>	Sourav Mohanty and Prajna Paramita Mishra
15.00-15.15	<i>The Economic and Environment Benefits of System of Rice Intensification: The Case of Telangana State</i>	Ramdas Dagam
15.15-15.30	<i>Integrating Economic and GIS Modelling to Evaluate Watershed Interventions Under Changing Climate</i>	Josily Samuel , CA Rama Rao, BMK Raju, Pushpanjali Nagarjuna Kumar and G Ravindra Chary
15.30-15.45	Discussion	
15.45-16.00	Remarks by Chair/ Co-chair	
16.00-16.30	<i>Tea/Coffee Break</i>	<i>Car Parking Area</i>

16.30 - 17.30: Valedictory Session

(Venue: Auditorium Seminar Hall)

Chair: E Revathi, Director, CESS

16.30-16.35	Welcome	
16.35-16.45	Overview of the Conference Deliberations	Shreekant Gupta , Vice President, INSEE
16.45-17.00	Valedictory Address	Gopal Kadekodi and Past President of INSEE and Honorary Professor, Centre for Multi-disciplinary Research, Dharwad
17.00-17.15	Remarks by Chief Guest	C Parthasarathi , IAS Principal Secretary, Department of Agriculture, Government of Telangna
17.15-17.30	Vote of thanks	Jeena T Srinivasan Organising Secretary