

# National Workshop Announcement

## National Workshop – 2023

### on Climate Change & CCUS

Bridging Disciplines for a Sustainable Future



29<sup>th</sup> November 2023

Venue: CSIR-NEERI, Nagpur, India



सत्यमेव जयते  
Department of Science & Technology  
Govt. of India

*Organized by*

**CSIR- NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE**  
Nehru Marg, Nagpur -440020

## About Conference

Climate change is a global crisis that knows no borders and affects every facet of our lives. It is a complex, multi-faceted intricate problem requiring a multidisciplinary approach for better understanding the magnitude of impacts to find mitigation measures. Climate change is no longer a distant future scenario but our present reality. The impacts of climate change are far-reaching, encompassing rising global temperatures, extreme weather events, sea-level rise, biodiversity loss, and socio-economic disruptions. Industrial emissions, a significant driver of climate change, have become a focal point of concern. The forthcoming "**National Workshop on Climate Change: Bridging Disciplines for a Sustainable Future**" addresses this pressing concern by bringing together experts and scholars from diverse fields to explore the intricate web of climate change, industrial emissions, and impact on life and property. This concept note outlines the importance of this workshop and the expected outcomes while stressing the significance of integrating various disciplines. This workshop is planned to bring together academicians, researchers and policy makers to discuss cross-disciplinary collaboration, knowledge sharing, networking and idea exchange and awareness about the climate change related issues.

## About CSIR-NEERI

As one of CSIR's premier Laboratories focussing on the environment, CSIR-NEERI plays a very important role in defining leadership in Environmental Science and Engineering for Sustainable development and has a nationwide presence with its five zonal centres located in New Delhi, Mumbai, Chennai, Kolkata and Hyderabad with its headquarters at Nagpur. CSIR-NEERI significantly contributes to policy making, environmental regulations and implementation through active participation in various National and State level expert committees constituted by ministries and regulatory agencies. CSIR-NEERI offers expertise in the domain of Strategic Urban Environment Management, Water and Wastewater Management, Solid and Hazardous Management, Air pollution, Climate Change, Cleaner Technology, Advance Materials, Energy and Resource management, Biotechnology and Genomics and Environmental Impact and Sustainability.

## Thematic Areas

1. **Emission reduction and management:** Industrial greenhouse gas emissions, emission factors as per IPCC guidelines and air pollution and its impacts on climate change
2. **Impact Assessment and Adaptive Actions:** Impact assessment procedures, tools for projecting future impacts based on climate models and scenarios and vulnerability Assessment
3. **Modelling and Simulation Tools:** Climate change models and prediction tools, RS & GIS application for climate change mitigation and microclimate change prediction
4. **Mitigation Tools and Solutions:** Carbon capture, utilization, sequestration (CCUS), and other climate change solutions

# Scientific Program

## Poster Session

Participation is open to anyone involved in R&D, teaching, consultancy, planning for submission of posters. The participants must submit the posters within the thematic areas of the conference. The participants must pre-register in the given link. **The last date of application = 22<sup>nd</sup> November 2023**

<https://forms.gle/oynccfkxwKAKFRPG9>

## Technical Programme

- Oral Presentations (Plenary, Invited talks)
- Poster session
- Panel Discussions

## Plenary/Invited Speakers



### Chief Guest

Dr. Sukumur Devotta  
Former Director, CSIR-NEERI  
and Professor of Eminence, Anna  
University



### Guest of Honour

Dr M. M. Sarin  
INSA Senior Scientist,  
Physical Research Laboratory



### Plenary Talk

Dr. Rajashekhar Balasubramanian  
Professor, National University of Singapore

# Organizers

**Patron**

Dr. Atul N. Vaidya

Director

**Chairperson**

Dr. Sadhana Rayalu

Chief Scientist

**Organizing Secretary**

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Department of Science & Technology  
Govt. of India

**November 29 | 10.00 onwards**  
CSIR-NEERI Auditorium

UNDER GRADUATE / GRADUATE  
STUDENTS  
Invited to Participate

# National Workshop-2023 on Climate Change & CCUS

## Poster Session

- ❖ Themes: GHG emissions, its reduction and management, Climate Impact Assessment, Use of Modelling and Simulation tools and Climate Mitigation
- ❖ Prizes for Top 3 Posters
- ❖ Pre-Registration required  
<https://forms.gle/Hnrf1JnjPEAe9meB6>
- ❖ Last of Registration = 22nd November



**ACCELERATE  
CLIMATE  
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FOR ALL SDGs**

Contact Information  
[nwcc2023.neeri@gmail.com](mailto:nwcc2023.neeri@gmail.com)

# Title of the poster

First Author<sup>1</sup>; Second Author<sup>1</sup>  
Author Affiliation<sup>1</sup>

Relevant Climate Change themes/ topics:

## Introduction

## Results and Discussion

## Data

## Methodology

## Conclusions

## Reference

## Acknowledgment