

Brief about the Conference

Introduction:

The international conference “*Climate Change Crossroads: One Health, Biodiversity, Agriculture, Extreme Weather and Animal science*” has been conceptualized as a premier scholarly platform for advancing dialogue, research, and solutions to some of the most pressing challenges of our time. Climate change has emerged as an unprecedented global crisis, exerting multifaceted impacts across ecosystems, agriculture, human health, animal health and biodiversity. Addressing these challenges requires breaking traditional disciplinary silos and fostering integrated perspectives. This meeting is intended to connect the domains of climate issues, human and animal health impacts, and the application of artificial intelligence for creating effective early warning systems.

Purpose of the Meeting

The aim of the conference is to bring together leading researchers, policymakers, practitioners, and academicians to deliberate on the interconnections between climate change and critical sectors of society and the environment. By adopting a **One Health approach**, the conference recognizes that human health, animal health, and environmental health are deeply interconnected, and that meaningful progress requires a systems-based, interdisciplinary lens.

The specific **objectives** of the meeting are to:

- Facilitate cross-disciplinary exchange of knowledge and methodologies across climate science, agriculture, ecology, health sciences, and policy studies.
- Highlight recent scientific advances in climate change research, particularly with regard to extreme weather events and their cascading effects on ecosystems, food systems, public health and animal health.
- Provide a platform for early-career researchers and practitioners to present innovative ideas and solutions.
- Translate academic insights into practical recommendations for sustainable development, climate resilience, and health security at both regional and global levels.

Distinctiveness of the Gathering

What sets this meeting apart is its **integrated, problem-solving orientation**.

Unlike traditional academic conferences that focus narrowly on single disciplines, this gathering positions itself at the *crossroads* of multiple domains.

The conference is distinctive in three key ways:

1. **Interdisciplinary Collaboration:** It deliberately creates spaces where climate scientists, ecologists, health professionals, Veterinary science, agricultural experts and Artificial Intelligence can engage in mutual dialogue.
2. **Global–Local Balance:** While the meeting will feature contributions from international experts, it also prioritizes case studies and practices from developing countries, especially those most vulnerable to climate-induced risks.
3. **Bridging Research and Policy:** Beyond knowledge sharing, the conference aims to serve as a knowledge-to-action hub, producing insights that can inform local governance, international climate negotiations, and sustainable development pathways.

Present collaborating partners:

ADRI (Asian Development Research Institute, Patna)
MCSRC (Mahavir Cancer Institute & Research Centre, Patna)
IMD (India Meteorology Department, Patna)
BASU (Bihar Animal Science University, Patna)

Tentative Speakers (till now):

Dr Ashok Ghosh, HOD, Research Centre, Mahavir Cancer Sansthan

Dr. Mrutyunjay Mohapatra, Director General of Meteorology, IMD

Dr. S. C. Bhan, Ex-Scientist G IMD

Prof. David Polya, University of Manchester

Prof. Prosun Bhattacharya, Stockholm University

Dr. Meera Dhuriya, NCDC – ICMR

Dr. Harpreet Singh, ICMR, Scientist E & Head

Prof. Alok Sinha, IIT ISM, HOD, Environmental Science and Engineering

Dr Anindita Mehta, CEO, CERC, Ahmedabad

Dr Nupur Bose, Ex Professor, A N college, Patna

Conference date: 23rd-24th March 2026

Conference venue: BASU auditorium

Conference web site link:

Registration details (Conference registration fee is without the provision of accommodations):

Attendees type	Reg within 31 st Jan 2026	Registration within 15 th Feb	On spot registration
Students	2500	3000	3500
Academicians	4500	5000	5500
Industry	7500	8000	8500

Paper submission deadline: 31st Dec 2025

Paper acceptance notification: 20th Jan 2026

Final corrected paper submission: 7th March 2026

