NR41 / climate change

Topic : Research

Chair : Tiara George (Kanoria School of Law for Women)

GENERAL OBJECTIVES, RESEARCH QUESTIONS AND SCIENTIFIC RELEVANCE

Title of the Panel: Climate Change by Tiara B George (tiarabgeorge@gmail.com) and Samridhi Maurya (samridhimaurya2456@gmail.com)

Specialization of track: Research Track

Relevance of the Panel Topic

The issue of climate change is one of the most significant in modern society, which is why it has become the focus of the interdisciplinary academic discourse. This panel is consistent with the general theme of the conference of global sustainability and resilience within the system. As it can be seen in recent literature, climate change is a phenomenon affecting multiple spheres, such as environmental, economic, social, and political ones, and needs to be researched using a combination of methods. According to the reports that have been prepared by the Intergovernmental Panel on Climate Change (IPCC), the changes in the climate are leading to unprecedented environmental changes, which require urgent policy actions and novel solutions. This panel aims at promoting the body of knowledge through the connection of climate science, social examination, and policy frameworks. Particular contributions are anticipated to cover: (1) climate impact mechanism in various geographical and socioeconomic settings; (2) mitigation and adaptation, (3) institutional and governance frameworks of climate action and (4) methodological advances to study climate-society interaction.

Research Questions

The research questions that the panel focuses on and the participants will be expected to reply to include:

Theoretical: How do social, economic, and environmental theories of established literature shed light on climate change as a systematical problem? What are the new conceptual frameworks that are required to comprehend the relationships between climate and society?

Empirical: What are the regional, community and demographic disparities in climate change impacts? What is the effectiveness of the current mitigation and adaptation policies to minimize climate risks?

Methodological: How can the complexity of the climate systems and human responses be better described using innovative research designs, data collection methods, and data analysis methods?

Context and Justification

The importance of the panel lies on various contexts. Climate change presents short term risks in the world by causing severe weather conditions, rise in sea levels and disturbance in agriculture. In developing countries, such as India, there is the overlap of climate vulnerability and poverty, governance issues, and insufficiency of resources, which pose compound risks to marginalized groups. Recent statistics show that small farmers, people living at the coast, and urban poor are the most vulnerable communities that experience disproportionate impacts of climate. Moreover, the distance between scientific knowledge and the application of climate science is indicative of a larger problem of research application. This contextual complexity explains the need of an interdisciplinary panel to discuss climate change in a variety of analytical perspectives so that they can bring forth the contextual perspectives as well as develop a broader theoretical and methodological knowledge base.

Papers Expected

The panel accepts three categories of contributions:

Theoretical articles: Putting forward new conceptualizations or critiques of the models of climate governance in existence.

Empirical articles: A study of original information regarding climate effects, vulnerability metrics, or policy performance

Methodological articles: The new methods of research on climate-society dynamics.

Potential Papers

Governance frameworks to climate justice: Comparative analysis between national and sub national policies - Dr. Amitav Sharma, Centre of policy research, New Delhi.

Livelihood Vulnerability and Adaptive Capacity in Rural India: The example of agricultural Communities in Climatic Stress - Prof. Meera Chatterjee, Department of Sociology, Delhi University.

International Conference on Climate Change, 2008,

Urban Heat Islands and Public Health-Spatial Analysis of Climate risks in the Metropolitan India- Ms. Priya Desai, Tata Institute of social sciences, Mumbai.

The purpose of this panel is to promote the discussion that incorporates the scientific rigor, policy relevance, and social justice lenses in order to promote the holistic understanding of climate change and the possible ways to achieve sustainable futures.

CALL FOR PAPERS

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