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Dr. Manojit Samanta

Organising Secretary
Dr. Rajesh Kumar Dash
Project Scientist
CSIR-CBRI, Roorkee

 **Venue- Juniper Hall, Indian Habitat Centre, Lodhi Road, New Delhi**

Contact Details

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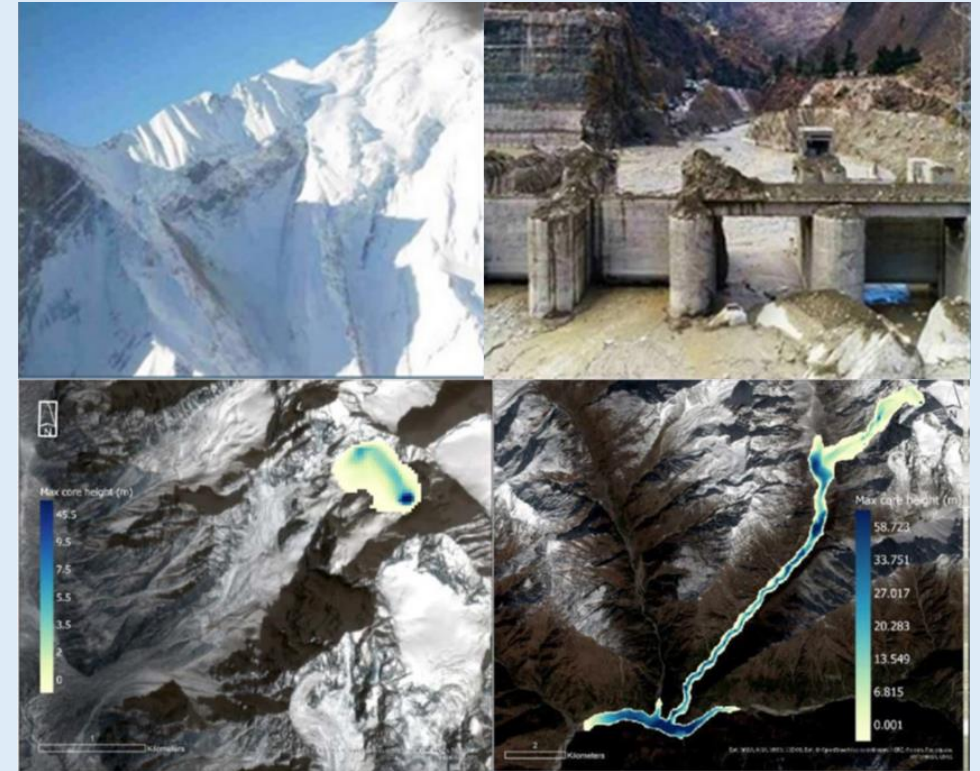
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Brainstorming Workshop

on

**Climate Change Impacts on Mountain Hazards with
special reference to Rock Ice Avalanches, Debris flows
& GLOF**

27th November,2024 (Wednesday)



Organised By

CSIR-Central Building Research Institute, Roorkee
Ministry of Science & Technology
Government of India
Uttarakhand-247667, India



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About the Event

The main objective of the brainstorming workshop on the **Climate Change Impacts on Mountain Hazards with special reference to Rock Ice Avalanches, Debris flows & GLOF** is to appraise and discuss the emerging issues of rock ice avalanches, debris flows and GLOFs in Indian Himalayas. The workshop is intended to address the proposal and initiative of CSIR-CBRI in order to draw attention to the need for increased funding for research and development, capacity building, specialized organizations and institutes on mountain hazards, and national and international collaboration to address such emerging issues.

CSIR-CBRI, Roorkee, India

The Council of Scientific and Industrial Research (CSIR) is the largest public-funded research establishment in India and Central Building Research Institute (CSIR-CBRI) is one of the 37 research laboratories of CSIR. The Central Building Research Institute, Roorkee has been vested with the responsibility of generating, cultivating and promoting building science and technology in the service of the country. Since its inception in 1947, the institute has been assisting the building construction and building material industries in finding timely, appropriate and economical solutions to the issues of materials, rural and urban housing, energy conservation, efficiency, fire hazards, structural and foundation problems and disaster mitigation. CSIR-CBRI under one of the disaster mitigation thrust areas, contributes in engineering geological investigations, landslide hazard-vulnerability-risk assessment, landslide dynamics through instrumentation and monitoring, landslide modeling, landslide early warning, debris flow modeling and hazard assessment, UAV based landslide mapping & monitoring, and remote sensing & GIS application.

Workshop Schedule

Session-I (10.00-11.30)	Remote Sensing & GIS Application for Mountain Hazard Management
Session-II (11.30-1.00)	Mass Movement Processes in Indian Himalayas Modelling Mass Movement Processes: Need, Scope and Challenges
Session-III (2.00-3.30)	Presentations on the emerging Issues by NDMA & SDMA
Session-IV (3.30-5.00)	Panel Discussion : Issues & Way Forward Host & Moderator : Prof. R. Pradeep Kumar (Director, CSIR-CBRI)

International Collaborators

Swiss Agency for Development and Cooperation SDC
WSL institute for Snow and Avalanche Research SLF, Davos, Switzerland

Invited Organisations

Ministry/Departments

Ministry of Earth Sciences (MOES)
Geological Survey of India (Ministry of Mines)
Ministry of Environment, Forest and Climate Change (MOEF)
Ministry of Human Resource Development (MHRD)
Ministry of Road Transport and Highways of India (MoRTH) NHAI, NHIDCL
All India Council for Technical Education (AICTE)
Department of Science and Technology (DST)
India Meterological Department (IMD)
Ministry of Railways
Ministry of Tourism

National Disaster Management Authority (NDMA)

National Institute of Disaster Management (NIDM)

State Disaster Management Authority

Uttarakhand, Himachal Pradesh, J&K, Sikkim, Ladakh, Arunachal Pradesh, Kerala

Council of Scientific and Industrial Research (CSIR) Labs

CSIR-National Geophysical Research Institute (NGRI), Hyderabad
CSIR-Central Road Research Institute (CRRI), New Delhi
CSIR-Central Institute of Mining and Fuel Research (CIMFR), Dhanbad
CSIR-Fourth Paradigm Institute (CSIR-4PI), Bengaluru
CSIR-Central Scientific Instruments Organisation (CSIO), Chandigarh
CSIR-Central Electronics Engineering Research Institute (CEERI), Pilani
CSIR-Structural Engineering Research Centre (SERC), Chennai

Indian Institute of Technology (IIT)

Roorkee, Mandi, Patna, Indore, Jammu, Gawahati

Research Institutes

National Remote Sensing Centre (NRSC), Hyderabad
Defense Geoinformatics Research Establishment (DGRE), Chandigarh
Wadia Institute of Himalayan Geology (WIHG), Dehradun
Indian Institute of Remote Sensing (IIRS), Dehradun
University of Kashmir, Jammu & Kashmir
National Institutes of Hydrology (NIH), Roorkee
Indian Institute of Science (IISC), Bangalore