



HIMALAYAN HAZARDS: WAY FORWARD HHWF - 2023

Pre-Congress Workshop of the
6th World Congress on Disaster Management

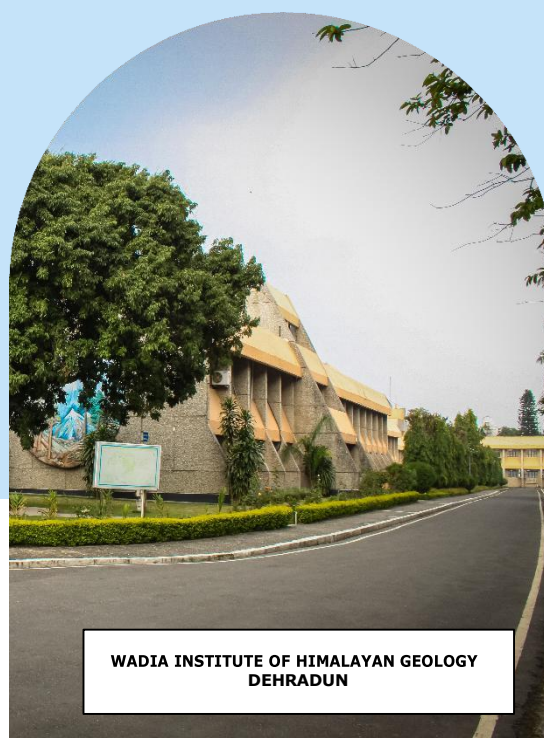
WADIA INSTITUTE OF HIMALAYAN GEOLOGY

An Autonomous Institute of Department of Science & Technology,
Govt. of India

33, G. M. S. Road, Dehradun - 248001

UTTARAKHAND

24th November, 2023
09:30 am – 18:00 pm



TECHNICAL PROGRAM

The government of Uttarakhand is organizing the 6th World Congress on Disaster Management (WCDM) in Dehradun, in collaboration with Uttarakhand State Disaster Management Authority (USDMA), Disaster Management Initiatives and Convergence Society (DMICS), and Uttarakhand State Council for Science & Technology (UCOST) from 28 November – 1 December, 2023 with the overarching theme of "Strengthening Climate Action and Disaster Resilience", having specific focus on 'Mountain Ecosystems and Communities'.

As a participating organization, Wadia Institute of Himalayan Geology (WIHG), an autonomous Institute of DST, GoI, is organizing a Pre-Congress Workshop on "Himalayan Hazards: Way Forward HHWF 2023", on 24th November 2023, under the framework: Mountain Specific Hazards and their Management. The Workshop is focused on deliberations through plenary talks and display of posters on the following sub-themes:

- Landslide Management for Sustainable Development
- Glacier Hazards and Plausible Mitigation
- Seismic Risks and Advances in Earthquake Science
- Mountain Fluvial Extremes and Risk-Management

| START TIME | END TIME | PROGRAMME |
|------------|----------|---|
| 09:30 | 10:30 | Inaugural Function 09:30 Welcome of Guests (Director, WIHG) 09:35 National Anthem 09:36 Lighting of Lamp 09:40 Introduction to 6th World Congress on Disaster Management (Convener, WCDM, DG, UCOST) 09:46 Introduction to Pre-Congress Workshop HHWF2023 (Director, WIHG) 09:51 Introduction of Invited Speakers from India & Abroad 10:00 Address by Guest of Honour 10:10 Address by Chief Guest 10:25 Vote of Thanks (Swapnamita C. V.) 10:30 National Anthem |
| 10:30 | 11:00 | HIGH TEA |

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| PLENARY SESSION I INTRODUCTORY TALK: 11:00 – 11:25 PROF. HARSH GUPTA <i>The Himalayan earthquake belt, seismic gaps and related issues</i> (Moderator Session I) FELLOW, INTERNATIONAL SCIENCE COUNCIL (ISC) MEMBER, ATOMIC ENERGY REGULATORY BOARD (AERB) | | |
| 11:25 | 11:50 | <i>Serious threat to the Himalayan habitats posed by tectonics and global warning</i> Dr. Paramesh Banerjee Director Prayukti Geomatics, Singapore Ex-President, Asian Seismological Commission Formerly, Technical Director, EOS, NTU, SG Formerly, Scientist, WIHG, Dehradun |
| 11:50 | 12:15 | <i>Resilient housing in hills: the role of a Geologist</i> Dr. P. K. Das Housing Advisor (UNDP), PDNA Strategist (UNDP, NY Crisis Bureau), Member Research Council of CBRI, CSIR |
| 12:15 | 12:40 | <i>High risks from hidden lakes: Neglected mechanisms of glacial lake drainage and outburst floods</i> Prof. Marcus Nüsser Professor, Department of Geography South Asia Institute, Heidelberg University, Germany |
| 12:40 | 01:05 | <i>Climate induced geohazards in Himalaya & plausible mitigation</i> Dr. Kalachand Sain Director, Wadia Institute of Himalayan Geology, Dehradun Formerly, Head, Seismic Group, NGRI, Hyderabad |
| 13:05 | 14:00 | LUNCH |
| Plenary Session II PROF. HARSH GUPTA (Moderator Session II) | | |
| 14:05 | 14:30 | <i>Multi-hazard risk assessment: A perspective on success factors in India and Southeast Asia</i> Tom Burkitt Country Director, AESG Kingdom of Saudi Arabia Formerly, Team Leader of Disaster Risk Assessment of Uttarakhand with DHI |
| 14:30 | 14:55 | <i>Unravelling the long-term landscape legacies of extreme mountain hazards: implications for holistic disaster resilience and recovery</i> Prof. Matthew J. Westoby Associate Professor, School of Geography Earth and Environmental Sciences University of Plymouth, United Kingdom |
| 15:00 | 15:25 | <i>Multi-hazard risk assessment in the Himalayan context: opportunities and challenges</i> Prof. Cees van Westen Professor, Department of Applied Earth Science (AES) Faculty of Geoinformation Science and Earth Observation (ITC) University of Twente The Netherlands |
| 15:25 | 15:50 | <i>Understanding the transition of earthquake hazards into disasters; focus on South and SE Asia</i> Dr. Afroz Ahmed Shah Programme Leader (Geosciences) Senior Asst. Professor (Department of Geosciences) Faculty of Science, Universiti Brunei, Darussalam |
| 15:50 | 15:55 | <i>Display of Takeaway Messages from Speakers</i> |
| 16:05 - 17:30 TEA & WALK-THROUGH POSTER/EXHIBITION SESSION Himalayan Hazards & Way Forward | | |