

Natural Hazards Workshop for the Indian Himalayas 2023

October 18, 2023

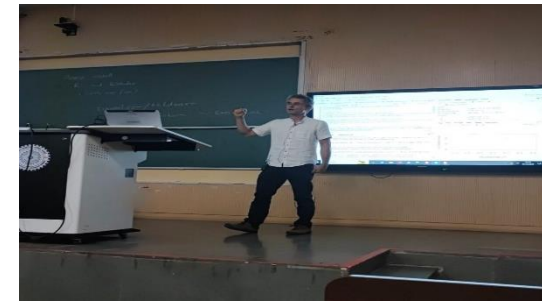
Exploring the Himalayan Frontiers: Geomorphological and Hydrological aspects Highlights of the Event

The **Natural Hazards Workshop for the Indian Himalayas 2023** is organized by the Department of Hydrology, Indian Institute of Technology, Roorkee in collaboration with the University of Potsdam Germany, under the Co-PREPARE project, funded by University Grants Commission, India and DAAD, Germany on October 18, 2023. The workshop emphasized the theme of “*Exploring the Himalayan Frontiers: Geomorphological and Hydrological aspects*”. This event was inaugurated by Prof. Brijesh K. Yadav, Head, Department of Hydrology who described about the glorious history of the department. Prof. Ankit Agarwal, convener of the event welcomed all the dignitaries and participants. He also discussed about the Indo-German partnership, Co-PREPARE project and the field school conducted recently under this project. The threefold mission of the workshop is

1. **Exploring Innovative Research:** Participants investigated the current and future research in geomorphological and hydrological aspects of the Himalayas.
2. **Exchange of Ideas and Raising Networking:** The workshop facilitated discussions and networking opportunities among like-minded researchers.
3. **Skill Development:** Participants enhanced their skills through keynote lectures and hands-on sessions, supported by shared study materials, data and tools.

The workshop featured morning and afternoon sessions comprising theoretical and practical components. In the morning session of the event, Dr. Jürgen Mey, University of Potsdam, Germany described about surveying and modelling of landslides and its main controlling variables. Dr. Wolfgang Schwanghart, University of Potsdam, Germany demonstrated about the use of Topotoolbox using MATLAB for landslide and morphometric modelling.

In the post-lunch session, Dr. Till Francke, University of Potsdam, Germany discussed about river discharge measurement and computation using R programming. In the evening, Ms. Sujata S. Kulkarni, Doctoral student, conducted the open science and discussion session. During this session, many scientific aspects about geomorphology, hydrology and research collaborations were discussed. In addition, various information about the Young Hydrological Society were also discussed where the interested researchers can find various experts for their collaborative research. At the end, participation certificates were given to the participants. Prof. Ankit Agarwal thanked everyone for the successful completion of the event. This event represented collaborative learning in the field of geomorphology and hydrology in the Himalayas.



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