



One day workshop
on
**Himalayan Freshwaters: Assessing the
Services and Vulnerability of Freshwater
Ecosystems in Himalayas**

Date: June 6, 2023

organized by

**Department of Hydrology,
Indian Institute of Technology, Roorkee**

under the project

**“REgional cooperation for FReshwater Ecosystem Services in Himalayas
(REFRESH): Understanding the influences of monsoon variability and compound
extremes”**

Website: www.refreshproject.in

sponsored by



About REFRESH Project

The Himalayas, renowned as the source of major rivers and provider of crucial freshwater ecosystem services (FES), play a pivotal role in supporting the livelihoods of millions of people. However, the sustainability of these ecosystems and their services is being threatened by the impacts of climate change and human activities. Despite their importance, there is a significant knowledge gap regarding the availability of FES and the influence of climate extremes and human activities in this region. To address this critical gap, the REFRESH project aims to conduct a comprehensive study on the availability of FES in four Himalayan catchments spanning across India, Nepal, and Bhutan. This project will investigate the impacts of monsoon variability and climate extremes on the FES in these catchments, with the goal of providing valuable insights for decision-making and ensuring the long-term sustainability of these ecosystems and their services.

Himalayan Freshwaters Workshop Series

The project aims to organize a series of workshops to facilitate discussions, disseminate information, and brainstorm ideas about freshwater ecosystems in the Himalayas. The workshops will engage the project team, students, stakeholders, and experts to share their knowledge, insights, and experiences about the services and threats to these vital ecosystems. Through these workshops, participants will have the opportunity to learn from each other, exchange ideas, and explore potential solutions to the challenges facing freshwater ecosystems in the Himalayas. The workshops will also provide a platform to foster collaboration and build partnerships between different stakeholders to collectively work toward the conservation and sustainable management of these ecosystems.

These workshops will also contribute to capacity building by providing a platform for learning, skill-building, and empowering participants to become agents of change for the conservation and sustainable management of freshwater ecosystems.

Workshop #1 - Himalayan Freshwaters: Assessing the Services and Vulnerability of Freshwater Ecosystems in the Himalayas

The first workshop in this series is being organized by IIT Roorkee on June 6, 2023 (Tuesday). We have set following objectives for the workshop:

- To discuss and understand the status and trends of the freshwater ecosystem and its services in the Himalayas.
- To discuss the potential threats and vulnerability of freshwater ecosystems in the Himalayas.

Join us at the Himalayan Freshwaters workshop at IIT Roorkee to gain an in-depth understanding of the assessment and vulnerabilities of freshwater ecosystem services in the Himalayas. With expert speakers and researchers sharing their insights, you will learn about the impacts of climate

change on freshwater ecosystems in this vulnerable region. Stay updated on the latest research and findings and engage in discussions on strategies for adaptation and management of freshwater ecosystems. This workshop will provide a unique platform to explore the challenges and opportunities associated with FES in the Himalayas and contribute to collective knowledge on this critical topic.

In addition to learning from expert speakers, this workshop presents opportunities for networking and collaboration with researchers and academics who share a common interest in freshwater ecosystems in the Himalayas. Build meaningful connections, exchange ideas, and brainstorm strategies for safeguarding the sustainability of freshwater ecosystems and their services in this ecologically significant region. Don't miss this chance to be part of a collaborative effort to understand, conserve, and protect the freshwater ecosystem services of the Himalayas.

Tentative Schedule

Date: June 6, 2023 (Tuesday)

Venue: Department of Hydrology, IIT Roorkee

09:00 - 09:30 am	Inaugural Session
09:30 - 10:00 am	High tea
10:00 – 10:45 am	Keynote session #1
10:45 - 12:15 pm	Panel discussion #1 <i>Theme: Freshwater Ecosystems across Himalayas</i>
12:15 - 02:00 pm	Lunch Break
02:00 – 02:45 pm	Keynote session #2
02:45 - 04:00 pm	Panel discussion #2 <i>Theme: Threats/Vulnerability of Freshwater Ecosystems</i>
04:00 - 05:00 pm	Poster session
05:00 - 05:30 pm	Brainstorming Session (Group Discussion)
05:30 - 06:00 pm	Closing ceremony and certificate distribution

Poster Presentations

A poster presentation section will be organized for students and early career researchers to showcase their research, projects, or ideas related to freshwater ecosystems, services, threats and vulnerability. The posters will be displayed in a designated area during the workshop and will be accessible to all attendees. During the workshop, participants will have the opportunity to present their posters and engage with attendees through interactive discussions. **Interested participants are invited to submit abstracts during registration.** More details about posters will be shared with registered participants.

Registration

How to register?

Please visit the project website: www.refreshproject.in

Registration Link: <https://forms.gle/CDd6LqCfwYA8ps3b8>

Last date of registration (including for poster presentation): **25th May 2023**

Target audience

The workshop is designed for Masters and PhD students, researchers and working professionals in the fields of freshwater ecology, hydrology, climate change, water management, environmental science, etc.

Contact Information

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