

3rd ROORKEE WATER CONCLAVE

Responsible Water Management and Circular Economy

March 03 - 06, 2024



Organized by



**INDIAN INSTITUTE OF
TECHNOLOGY**
Roorkee



आपो हि ष्टा मयोभुवः
**NATIONAL INSTITUTE
OF HYDROLOGY**
Roorkee

Roorkee Water Conclave 2024

“Responsible Water Management and Circular Economy” aims to establish a common understanding of circular economy principles and resilience in the water sector and to support countries in implementing those principles. We strive to assimilate the learnings from different disciplines that cover various facets of Responsible Water Management and Circular Economy. The conference also aims to accelerate interaction among various stakeholders.

Background

Water is crucial for socio-economic development and links with nearly every Sustainable Development Goal. Nevertheless, water as a resource is unappreciated and used inefficiently. The increasing worldwide population and rapid urbanization have motivated a speedy increase in demand for water resources, while 36% of the population already lives in water-scarce areas. By 2050, the global population will nearly double, and four billion people will live in water-stressed areas.

Due to climate change, many areas will be at risk of droughts and floods, likely increasing in the coming decades. The circular economy has emerged as an answer to the unsustainable linear model of “take, make, consume, and waste.” The conclave offers an opportunity to identify and seize the absolute value of water - as a facility, an input to developments, a source of energy, and a transporter of nutrients and other materials. In a circular economy, water is seen as a limited resource.

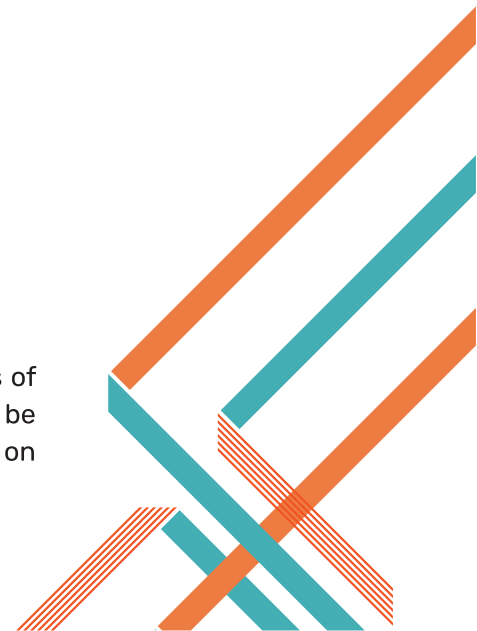
Negative externalities are designed, impacts on natural resources are minimized, and watersheds, spring sheds, rivers, and other natural systems are restored. Reusing water, avoiding water use wherever possible, and using other resources are its keys. Designing water systems through the circular economy and resilience principles provides a chance to tackle the water challenges by providing a systemic and transformative approach to delivering water supply and sanitation services in a more sustainable, inclusive, efficient, and resilient way. To achieve the full benefits of water, a circular water system must embrace resilience and inclusiveness. The conceptualization of a water-smart circular economy aims to generate a comprehensive picture of water and water-related ecosystems in the context of the circular economy.

The Roorkee Water Conclave, 2024, aims to establish a common understanding of circular economy principles and resilience in the water sector and to support countries in implementing those principles. We strive to assimilate the learnings from different disciplines that cover various facets of Responsible Water Management and Circular Economy. The conference also aims to accelerate interaction among multiple stakeholders. Looking at the aspects mentioned above, the sub-themes of the conference are as follows:

- A. Water Governance and Education
- B. Circular Water Economy
- C. Smart Water Management
- D. Non-conventional Water Resources
- E. Rejuvenation of Natural Water Systems
- F. Water Resource Assessment and Modelling
- G. Water Quality and Human Health
- H. Advanced Tools and Techniques
- I. Climate Change and Adaptation Strategies
- J. Extreme Events

Call for Abstract

Abstracts of papers (not exceeding 150 words) on the above session themes of the conference are invited latest by **30th April 2023**, and the acceptance will be notified by **05th June 2023**. The abstract of the papers can be uploaded on w.iitr.ac.in/rwc.



Registration Fees and Mode of payment:

The conference registration fee will be **Rs. 10,000** for Indian delegates and **Rs. 4000** for Indian students, **US\$ 300** for foreign delegates, and **US\$ 100** for international students. The fee may be paid in the form of a Demand Draft drawn in favour of Dean (SRIC), IIT Roorkee, payable at Roorkee. Alternatively, it can be paid by direct transfer through the Link for online Conference fee collection available at <http://src.ic.iitr.ernet.in/>.

Date & Conference Venue

The conference will be held at the Indian Institute of Technology Roorkee, Uttarakhand, India, during **March 03 - 06, 2024**.

Accommodation

Accommodation will be provided on a first-come basis in the guest houses and hostels within the campus on a payment basis. Alternatively, a range of hotels is available in and around Roorkee.

How to Reach IIT Roorkee

Roorkee is well connected to Delhi and Dehradun by rail and road. The nearest airport is located at Jollygrant, Dehradun. However, New Delhi is the preferred airport.

Places to visit near Roorkee



About IIT Roorkee

Indian Institute of Technology Roorkee is the successor of the University of Roorkee. Thus it is the oldest technical institution in the country, established as the Roorkee College of Engineering in 1847 and rechristened as Thomason College of Civil Engineering in 1857. It was elevated to the first Technical University of Independent India on November 25, 1949. In 2001, it was declared as the Institute of national importance and converted into the Indian Institute of Technology Roorkee (IITR) on September 21, 2001.

About NIH Roorkee

The National Institute of Hydrology (NIH) is a premier research and development organization in India's hydrology and water resources. Established in 1978, NIH is an autonomous society under the Ministry of Jal Shakti, Department of Water Resources, River Development & Ganga Rejuvenation, Government of India, with its headquarters at Roorkee. The Institute undertakes, aids, promotes, and coordinates systematic and scientific work in all aspects of hydrology. The Institute has a pan-India presence with its Seven Regional Centres located in different physiographic regions of the country. The scientific and technical credibility of the Institute in conducting hydrological and water resources research is well recognized both at the national and international levels.



Sponsorship Opportunities

The conference provides a unique opportunity for sponsoring organizations to promote their products/services to the focused international and national audience's/stake holders, besides having an excellent opportunity to interact with engineers/scientists/academicians/managers.

Organizing Committee

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