



IWA SCED 2026

The 2nd International Water Association
Conference on Sustainable Coastal and Estuarine Development

26-28 November 2026
Chennai, India

CALL FOR ABSTRACTS

Focal Theme

Coastal Watersheds - Creating **RESILIENCE**
(**R**eliable & **S**ustainable **I**nitiatives for **L**akes, **I**nlets,
Estuaries, **N**earshore in **C**oastal **E**nvironments)

Organized by

National Institute of Ocean Technology (NIOT)
Chennai



In collaboration with

IWA Sustainable Coastal and Estuarine Development (SCED)
Specialist Group and IWA Lake and Reservoir Management (LRM)
Specialist Group



The International Water Association (IWA), in collaboration with the Sustainable Coastal and Estuarine Development (SCED) Specialist Group and Lake and Reservoir Management (LRM) Specialist Group, is pleased to announce the 2nd International Water Association Sustainable Coastal and Estuarine Development (IWA SCED) Conference to be held in Chennai, India, from 26-28 November 2026. This global event will bring together experts, researchers, policymakers, and industry professionals to discuss sustainable water management and innovative solutions for coastal, estuarine, lake, and reservoir ecosystems.

ABOUT THE PREVIOUS CONFERENCE

The 1st International Conference on Coastal Reservoirs and Sustainable Water Management was held in 2023 at Hohai University, Nanjing, China, from 6th to 9th November 2023 and focused on innovative solutions to address global water challenges. Organized by the International Association for Coastal Reservoir Research (IACRR) and IWA, the event brought together experts in hydrology, engineering, and environmental sciences to explore coastal reservoir technologies, water security, and climate resilience strategies. The success of the first conference laid a strong foundation for continued discussions on sustainable water management, leading to the establishment of this second conference.

ABOUT IWA SCED AND LRM GROUPS

The IWA Sustainable Coastal and Estuarine Development (SCED) Specialist Group focuses on advancing research and best practices for sustainable management of coastal and estuarine environments. The group brings together experts in hydrology, engineering, and environmental sciences to address challenges such as water security using coastal reservoirs, tidal energy generation, coastal erosion, pollution control, and climate change adaptation. SCED aims to foster interdisciplinary collaboration and promote sustainable solutions for preserving coastal ecosystems while supporting economic development.

The IWA Lake and Reservoir Management (LRM) Specialist Group is dedicated to improving the management of lakes, reservoirs, and associated catchment areas. The group works on water quality monitoring, sediment transport, ecological restoration, and sustainable water storage solutions. LRM provides a platform for knowledge exchange, policy development, and technical innovation in managing these crucial water bodies.

ABOUT NIOT

The National Institute of Ocean Technology (NIOT), established in November 1993 under the Ministry of Earth Sciences, Government of India, is a premier research organization dedicated to advancing ocean technology and resource management. With a vision to address engineering challenges related to the sustainable utilization of both living and non-living resources in India's vast Exclusive Economic Zone (EEZ), NIOT focuses on the development of indigenous, world-class technologies. Its mission encompasses creating solutions for ocean-based industries, building national capabilities, and offering value-added services. NIOT's key objectives span a wide range of areas, including renewable ocean energy (such as wave and thermal energy), offshore structures, desalination, deep-sea mineral exploration, underwater acoustics, autonomous ocean observation systems, and marine biotechnology. The institute also plays a crucial role in beach restoration, shoreline management, and real-time ocean monitoring through its network of buoys and research vessels. NIOT, under the Ministry of Earth Sciences, Government of India, is a premier institution dedicated to advancing research and technology development for the sustainable utilization and management of ocean and coastal resources. With a state-of-the-art seafront facility, NIOT continues to pioneer innovations that support sustainable ocean development and environmental stewardship. With its multidisciplinary expertise and commitment to innovation, NIOT offers an ideal setting for fostering collaboration among global stakeholders in coastal and water resource management.

CONFERENCE THEME

Coastal watersheds are critical transition zones linking land, freshwater, and marine systems, yet they face escalating pressures from climate change, urbanization, pollution, and hydrological alterations. These stresses threaten water security, ecosystem health, coastal infrastructure, and community livelihoods. The theme highlights the urgent need for integrated, science-driven, and sustainable approaches to strengthen resilience across interconnected coastal environments. By promoting innovative technologies, nature-based solutions, adaptive governance, and watershed-scale planning, the conference aims to foster reliable strategies that enhance environmental stability, disaster preparedness, and long-term sustainability in coastal, estuarine, and riverine regions worldwide.

Coastal Watersheds - Creating **RESILIENCE (**RE**liable & **S**ustainable **I**nitiatives for **L**akes, **I**nlets, **E**stuaries, **N**earshore in **C**oastal **E**nvironments)**

Sub-Themes with Key Focus Areas

1. Coastal Infrastructure & Climate Change

- Design and optimization of coastal reservoirs.
- Resilience of coastal infrastructure to climate change.
- Sea-level rise adaptation and mitigation strategies.
- Urban development planning in coastal zones.
- Nature-based solutions for coastal protection.
- Climate Change & Ocean Process.

2. Sustainable Water Management & Security

- Integrated Water Resource Management (IWRM).
- Innovative rainwater harvesting and storage systems.
- Groundwater recharge and aquifer sustainability.
- Water reuse and recycling technologies.
- Community-based water conservation strategies.

3. Ecological Impacts & Water Quality

- Monitoring and mitigation of emerging contaminants.
- Impact assessments on aquatic and wetland ecosystems.
- Ecohydrology and environmental flow requirements.
- Constructed wetlands and natural treatment systems.
- Restoration of polluted water bodies.

4. River, Estuarine & Reservoir Processes

- Sediment transport and deposition analysis.
- Flood prediction and risk management modeling.
- Erosion processes and stabilization techniques.
- Morphodynamic modeling of estuaries and deltas.
- Human impacts on natural hydrological systems.

5. Water-Energy-Food Nexus & Policy

- Integrated policy approaches addressing water, energy, and food.
- Renewable energy generation from hydropower and tidal systems.
- Water-efficient agricultural practices and irrigation technologies.
- Climate-smart agriculture and drought resilience.
- Contributions to achieving the UN Sustainable Development Goals (SDGs).

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CALL FOR ABSTRACTS

Researchers and practitioners are invited to submit extended abstracts showcasing scientific advancements, operational outcomes, or practical applications aligned with the conference themes. Submissions must be made exclusively through the official conference website: www.niot.res.in/IWA2026.

- ❖ **Format:** Abstracts should not exceed 600 words and must clearly include the title, author name(s), affiliation(s), and five relevant keywords.
- ❖ **Submission Limit:** Each participant may submit only one abstract as the first author.
- ❖ **All submissions will undergo a peer-review process.** Accepted abstracts will be assigned a presentation type (oral/poster), and authors will be notified accordingly.
- ❖ Accepted abstracts will be included in the official conference proceedings, and selected papers will be published in a Journal after the peer review process.

REGISTRATION

Participant Category	Early Bird (INR/USD) Excluding GST	Regular (INR/USD) Excluding GST
Indian Participants/Delegates	8,000 / 100	10,000 / 120
International Participants/ Delegates	20,000 / 240	25,000 / 300
Student (India)	2000 / 25 ~~4,000 / 50~~	2500 / 30 ~~5,000 / 60~~
Student (International)	10,000 / 120	12,000 / 150
Accompanying person	2500/30	

*IWA Member Discount - A 10% discount on registration fees is available for active IWA members. Proof of membership must be provided during registration.

***International Student Scholarship:** International student participants will be eligible for a scholarship of up to 50% of the registration fee. Twin-sharing accommodation will be arranged at concessional rates, and local transportation within the city (between the accommodation venue and conference venue) may also be provided upon request, subject to availability.

IMPORTANT DATES

- ❖ **Call for Papers** : 20 February 2026
- ❖ **Abstract Submission Deadline** : 15 July 2026*
- ❖ **Abstract Acceptance Notification:** 30 June 2026
- ❖ **Registration Opens** : 30 June 2026
- ❖ **Early Bird Registration Deadline** : 31 August 2026
- ❖ **Late Registration Closes** : 31 October 2026**

* Only for International Students.

**Online registration closes on 31 October 2026. Thereafter, participants may register onsite through spot registration, subject to applicable spot registration fees.

EXHIBITION & SPONSORSHIP OPPORTUNITIES

A dedicated exhibition area will be provided at the conference venue to facilitate knowledge exchange and stakeholder interaction.

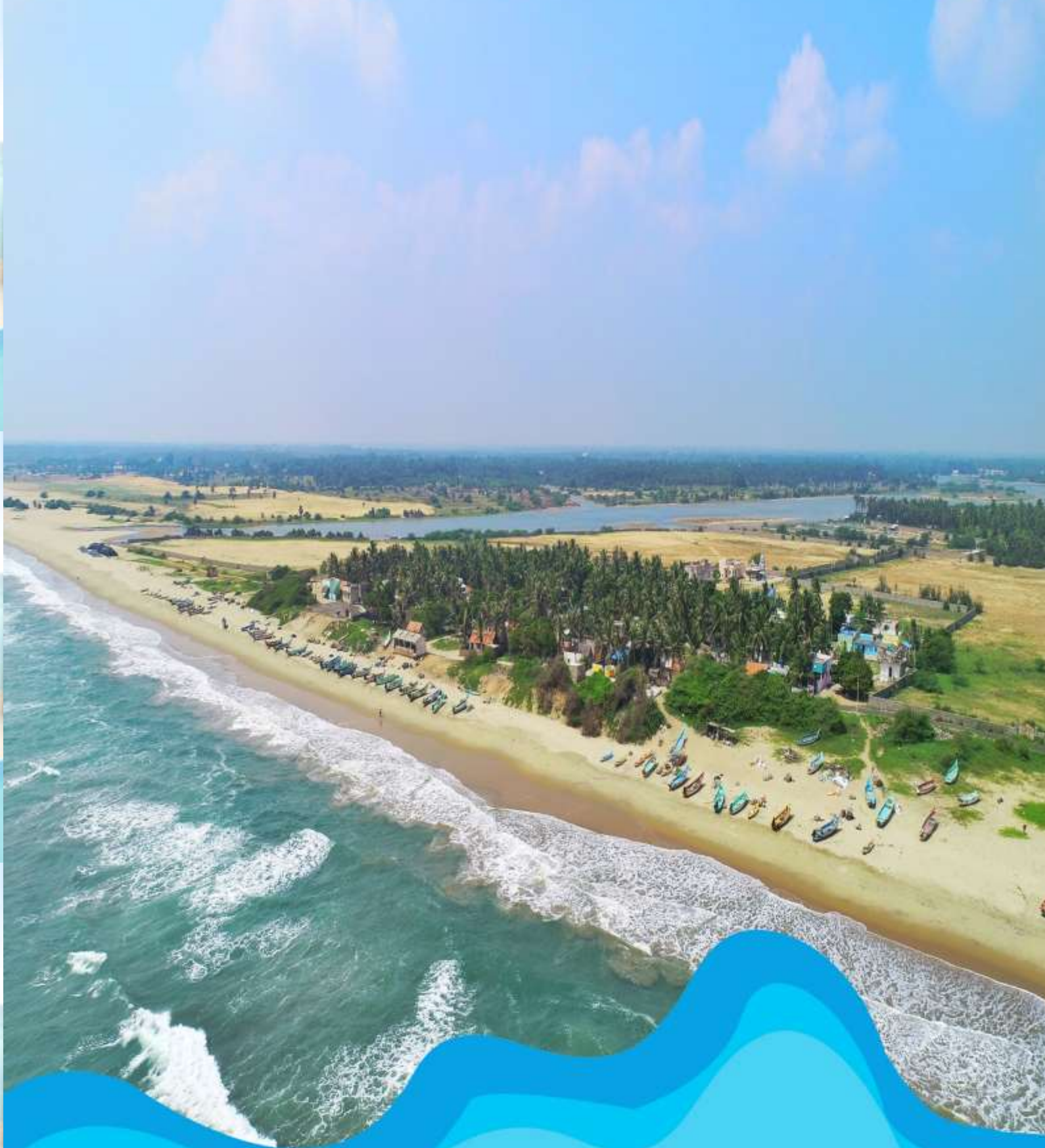
Indicative Exhibition Fee

₹ 1,00,000 (Indian Organizations / PSUs)

\$ 1500 (International Organizations)

Organizations are invited to support the conference through structured sponsorship categories designed to ensure visibility with a complimentary stall.





IWA SCED 2026

Contact us
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www.niot.res.in/IWA2026

