



WESTERN REGIONAL CENTRE, GOA

About TERI

Founded in 1974, The Energy and Resources Institute (TERI) is an independent, multidisciplinary research organization headquartered in New Delhi, with regional offices across India. TERI works across climate change, sustainable agriculture, resource management, biotechnology, waste management, circular economy, and ecotourism.

TERI Goa Regional Centre

Established in 1996, the Goa Regional Centre is a coastal research hub located amidst mangroves, estuaries, khazans, and traditional fishing systems. It serves as a natural laboratory for studying coastal resource conservation and addressing challenges such as climate change, pollution, mining, and agricultural runoff. The multidisciplinary team comprises experts in fields such as marine biogeochemistry, microbiology, biotechnology, policy, aquaculture, agriculture, water management, and environmental science.

Coastal Studies and Resource Management (CSRM)

With over 70% of the world's population living in coastal areas amid rapid environmental changes, the need for coastal research becomes increasingly urgent. The CSRM Centre explores the linkages between land-water ecosystem, providing R&D, technical expertise, advisory, and outreach services for sustainable coastal resource management.

The Goa Regional Centre contributes to nation building through various flagship programmes of the Government of India, including the 'National Coastal Scheme', 'Small Grant Programs in Indian Coastal Region', 'Integrated Coastal Zone Management Plan', and 'Swachh Bharat Mission'. TERI's Goa Centre also works closely with the Department of Environment, Goa in advancing the state's goals in blue economy, ecosystem restoration, and community-led conservation.

MISSION

To lead sustainable management and conservation of marine, coastal, and inland resources through multidisciplinary research, capacity building, and consulting. Integrating natural and social sciences, the Centre delivers practical, technology-driven solutions in collaboration with national and international partners, supported by monitoring, measurement, and awareness programmes.



ENERGY



AGRICULTURE



ENVIRONMENT



HABITAT



RESOURCE
SECURITY



CLIMATE



HEALTH
& NUTRITION

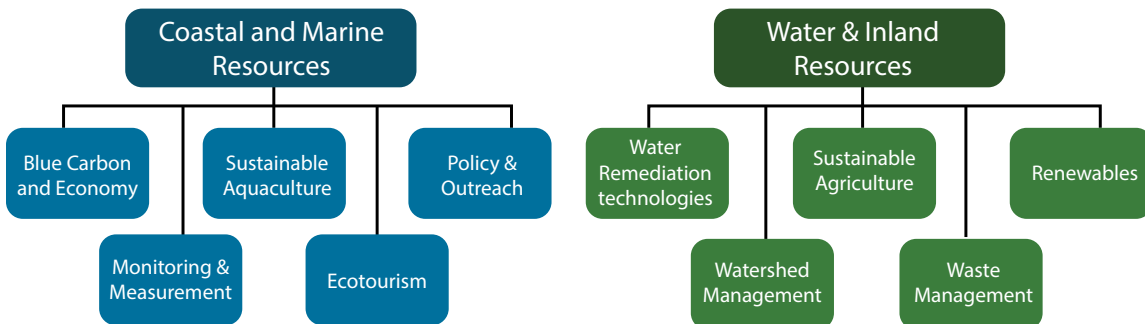
Thrust Areas

Coastal and Marine Resources

- Scientific research on coastal ecology, blue carbon, marine biodiversity, and pollution
- Hands-on training in sustainable aquaculture, seawater analysis, biomass inventory, GHG monitoring, and marine product testing
- Assessment and framework to strengthen blue economy aligned with SDG 14
- Ecotours and educational programmes on mangroves, khazans, and local ecosystems
- Conservation and restoration of vulnerable and degraded coastal habitats

Water and Inland Resources

- Affordable inland water treatment technologies for local communities
- Watershed management to improve water security and rural resilience
- Community-led initiatives promoting sustainable agriculture and livelihood development
- Circular economy solutions for solid waste management and handling of materials at mining dumps



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Facilities

Coastal Education Hub

Established in 2019, the hub supports:

- Field surveys, scientific experiment design, and pilot studies
- Documentation of traditional knowledge and coastal resource value
- Student education, entrepreneurship development, women's empowerment, and public awareness
- Community-focused capacity building aligned with the UN SDGs

Laboratory Facilities

- Water analysis: UV-spectrophotometer, refractometer
- Multi-probes for water level, temperature, and electrical conductivity
- Soil quality testing: texture, pH, redox
- Analytical weighing balance, hot-air oven
- Microbiology facilities: laminar airflow, autoclave, and spread plating
- 100-litre glass aquaria with biofiltration and aeration
- Aquafeed preparation setup: food processor and dry pelletizer

Guest Accommodation

A peaceful, well-maintained guest house provides comfortable, professional accommodation for visiting collaborators and researchers. Amenities include:

- Air-conditioning, Wi-Fi, power backup
- Attached bathrooms
- Daily housekeeping
- Access to kitchenette
- Taxi service on request



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Publication/Reports

Research contributions in:

Ecotoxicology (Springer); *Environmental Science & Technology* (ACS Pub); *Water* (MDPI); *American Journal of Tropical Medicine and Hygiene*; *Aerosol and Air Quality Research* (Springer Nature); *Water Environment Research* (Wiley); *Journal of Environmental Management* (Elsevier).

Ecological Status Assessment – Dr Salim Ali Bird Sanctuary

The Centre undertook a comprehensive ecological assessment of biodiversity, habitat quality, and ecological health across the Sanctuary and Chorao estuarine areas, identifying conservation priorities and sustainable management strategies.



Key International Collaborations

- European Union- Resource Efficiency Initiative
- Asian Development Bank
- United Nations Development Programme
- GIZ GmbH, Germany
- United States Agency for International Development (USAID)
- Norwegian Ministry of Foreign Affairs
- CSIRO, Australia
- Institute for Systems and Computer Engineering, Technology and Science (INESC TEC), Portugal

Key Partnerships

Department of Environment, Goa: Coastal and marine resource management, blue economy initiatives, and promotion of sustainable eco-tourism across the state.

ICAR–CCARI, Goa: Research and capacity building in agriculture, fisheries, and allied sectors, focusing on climate-smart fish farming, climate-resilient technologies, and strengthening knowledge-sharing platforms and market linkages.

Collaborations have also been explored with several key state-level agencies in Goa, such as Directorate of Agriculture, Goa State Biodiversity Board, Department of Mining, Port & Shipping, ONGC, Dempo Industries, and Department of Water Resources.



CONTACT US

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