



THE ENERGY AND RESOURCES INSTITUTE
Creating Innovative Solutions for a Sustainable Future

KNOWLEDGE RESOURCE CENTRE

Knowledge Resource Centre (KRC) at TERI has been at the forefront of knowledge creation and dissemination. Its focus lies in establishing tech-enabled knowledge systems, crafting value-added services, and conducting skill development programmes that address sustainability issues across India.



OUR VISION

To develop technology-enabled solutions and emerge as a skill development hub to transition to sustainability



ENERGY



AGRICULTURE



ENVIRONMENT



HABITAT



RESOURCE SECURITY



CLIMATE



HEALTH & NUTRITION

Core Competency

KRC maintains a state-of-the-art Knowledge Management (KM) system as a research support tool, which stores and disseminates TERI's vast knowledge and research database.

KRC provides a diverse range of solutions addressing the needs of varied stakeholders, encompassing skill development programmes, KM system development, and customised information and analytical products.

Recent Projects



KNOWLEDGE SOLUTIONS AND TOOLS

EIACP Resource Partner on Renewable Energy and Climate Change

KRC hosts the EIACP (Environment Information, Awareness, Capacity Building and Livelihood Programme) Resource Partner on Renewable Energy and Climate Change, supported by the Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India. Details available at <https://terienvs.nic.in>

Preservation and Protection of Traditional Knowledge - Documentation Initiative in the North-East Region, India

The project, jointly conducted by Bio-Resources Development Centre and TERI with support from the Northeastern Council (Ministry of DoNER, Government of India), documented traditional knowledge in agriculture, handicraft, handloom, medicine, fishery, and veterinary practices still in use within the community. Details available at <https://netkp.org>



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National Centre of Excellence in Green Ports and Shipping (NCoEGPS)

The NCoEGPS is a major initiative by the Ministry of Ports, Shipping and Waterways, Govt. of India. The portal serves as a comprehensive repository of resources, including best practices, digital tools, and cutting-edge research, designed to empower stakeholders across the spectrum.

Details available at <https://green-port-shipping.org>

Regulation Resource Repository for Solar Energy

The repository is a one-stop platform on solar energy regulations across 83 member countries of International Solar Alliance, compiling relevant laws, policies, standards, and research on their regulatory frameworks.

Digital Library on Green Mobility (DLGM)

KRC has developed DLGM under the India component of NDC Transport Initiative for Asia project. Supported by GIZ India, DLGM is a central hub for access to knowledge on low carbon transport, especially electric mobility, in India. Details available at <https://greenmobility-library.org>

Digital Repository of NSTMIS Research Publications

The repository has been developed with support from Department of Science and Technology, Govt. of India, and is a web-accessible system that provides access to research publications and reports from the National Science & Technology Management Information System (NSTMIS). Details available at <http://digitalrepository-nstmis-dst.org>



KNOWLEDGE MANAGEMENT SERVICES

KRC offers consultancy in designing and implementing knowledge management systems by:

- Developing KM architecture and frameworks
- Structuring stakeholder data using metadata templates
- Organizing content with taxonomy, tagging, and hierarchies
- Managing testing, rollout, and deployment
- Training users for effective KM adoption



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REVIEWS | ASSESSMENTS | COMPENDIA | SURVEYS | PUBLICATIONS

Analysis of Extramural Research Projects: A comprehensive evaluation of projects funded by the Ministry of Earth Sciences (2012–2020), highlighting outcomes and national impact.

Analytical Study: Outcome of INSPIRE Faculty Fellowship Component of DST for the period 2011-2020.

AI for Climate Resilience: A systematic review for the Future of Life Institute, examining how AI supports climate resilience, adaptation, and mitigation aligned with SDG 13.

TEDDY (TERI Energy & Environment Data Diary and Yearbook): An annual data-rich resource supporting evidence-based energy and environment policy research.

National Survey on R&D Resources 2024–25: Supported by DST, this survey maps India's R&D ecosystem across central and private sector organizations.

Other Key Publications:

- Akshay Urja magazine
- Compendium: Renewable Energy & Climate Change Case Studies
- Compendium of DSIR-recognized SIROs
- World Digital Libraries- an International Journal
- TIDEE (TERI Information Digest on Energy and Environment)
- eNREE News



SKILL DEVELOPMENT | CAPACITY BUILDING PROGRAMMES

Green Skill Development Programme (GSDP): An initiative by MoEF&CC, the EIACP Resource Partner conducts residential technical training for rural youth across India, promoting skill-building and sustainable livelihoods.

EV Charge Point Operator Training: In partnership with Mercedes-Benz Research & Development India, this initiative builds capacity for electric vehicle charging infrastructure, supporting India's transition to clean mobility.

Boosting Farmers Income and Reducing Carbon Footprint: With NABARD support and expert guidance, TERI is piloting a project in Uttar Pradesh to enhance smallholder farmers' incomes while reducing their carbon footprint.

Women & Technology Entrepreneurship Development Programmes: Supported by DST, these programmes empower entrepreneurs through innovation-focused training, mentorship, and technology ventures.

E-Learning Platform: A digital initiative by TERI to strengthen capacity in its core research areas, fostering education aligned with environmental and climate sustainability.





Other Programmes Undertaken by KRC include:

- Professional development programmes
- Webinars on topical issues such as AI applications, research ethics, green mobility, clean energy, waste management, digital and information literacy
- Thematic workshops on various emerging areas such as preservation of indigenous knowledge, research data management, and other topics
- Community awareness events
- IC DLs

Sustainability Impact

- Developed green skills of 1200 trainees with over 54% achieving livelihood or entrepreneurship opportunities
 - Reached over 1,11,150 stakeholders under Mission LIFE
- #### Policy & Research Support
- Supported national science and technology assessment through R&D indicators
 - Enabled data-driven policymaking through research project evaluations

Community Outreach

- Engaged over 600 farmers and trained 35+ in sustainable practices and solar technologies
- Preserved and documented traditional knowledge in Meghalaya

Women in STEM & Innovation

- Empowered women entrepreneurs through science and technology-based training and mentorship programmes

Partnerships and Networks

Our initiatives are made possible through meaningful collaboration with a diverse range of partners:

- Government bodies (MoEFCC, DST, MNRE, DSIR, MoES, NABARD, Skill Council for Green Jobs, and others)
- Bilateral & multilateral organizations (GIZ, ISA, and others)
- Academic institutions, NGOs & development agencies (IIT-D, IIT-B, IGNOU, and others)
- Training partners (over 25 institutions across the country)
- Corporates such as MBRDI

Partner with us to transform knowledge into action for a sustainable future.

CONTACT US

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For more details, please visit: <https://teriin.org/krc>