



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

# ENVIRONMENT EDUCATION AND AWARENESS



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## About TERI





The Energy and Resources Institute (TERI) is an independent, multi-dimensional organization with research, policy, consultancy, and implementation capabilities. It has pioneered conversations and action in the energy, environment, climate change, and sustainability space for over four decades.



The institute's research and research-based solutions have had a transformative impact on industry and communities. Headquartered in New Delhi, it has regional centers and campuses in Gurugram, Bengaluru, Guwahati, Mumbai, Panaji, and Nainital, supported by a multi-disciplinary team of scientists, sociologists, economists and engineers, and state-of-the-art infrastructure.



Students and youth play significant roles as building blocks of society. They are an important source of creativity and enthusiasm and are drivers of social change. Realizing that an environmentally-conscious society can be created only if youth are empowered with sufficient knowledge, skills, attitude, and values, TERI has a dedicated Environment Education and Awareness (EEA) group that strives towards addressing a need for Education for Sustainable Development (ESD) through academic institutions, and society at large.



Adjusting to the norms of the new-normal, created as a response to the COVID 19 situation, EEA has transformed its learning spaces into digitized mediums to reach out to a large section of its target group. The medium includes webinars, discussion forums, opinion polls, online gamification, competitions, and access to a resource library. We stay committed to sustainable development and strive to lay the future in which environmental, societal, and economic considerations are balanced in the pursuit of development.



## Ongoing projects

### **GREEN Olympiad**

Initiated in 1999, GREEN Olympiad is an annual written examination on the environment that attracts participation from lakhs of school students from standards IV- XII from India and abroad. The goal is to develop an environmentally conscious and informed national and international school network. This program is partnered and supported by the Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India, United Nations Educational, Scientific and Cultural Organization (UNESCO) New Delhi, Central Board of Secondary Education (CBSE), Kendriya Vidyalaya Sangathan (KVS), Navodaya Vidyalaya Samiti (NVS), and other educational institutions and state educational boards over the years. For more information, please visit [www.teriin.org/olympiad](http://www.teriin.org/olympiad).

### **The GREEN School**

A TATA Steel - TERI initiative launched in 2017 aims at creating awareness and understanding about environmental issues in school campuses in operational areas of Tata Steel in the states of Jharkhand and Odisha. Along with a whole-school approach for sensitization programs, capacity-building initiatives for Bridge Schools, promoting communication through art and craft, theatre, and folklores, are also being done.

### **Cities Combating Plastic Entering The Marine Environment**

The project is launched in 2021 in association with GIZ to create an effective communication strategy to prevent plastic waste at source through sustainable waste management practices and develop various knowledge products (digital and printed) to support areas, design public engagement campaigns, communication through various platforms at national and state levels (Uttar Pradesh, Kerala and Andaman, and the Nicobar Islands).

### **Youth Climate Conclave**

Youth Climate Conclave launched in 2019 is an annual program implemented in partnership with the Delegation of the European Union to India, GIZ, CEEW, and TERI. The program is envisaged as a competitive and educative mode of action, wherein youth from across the country are being invited to join hands to address issues of climate change.

## Ongoing projects

### **Clean Air Project in India**

TERI in partnership with the Swiss Agency for Development and Cooperation (SDC) has launched a new initiative in 2019 i.e. 'Clean Air Project in India (CAP-India)' which aims to support India's efforts to improve air quality while contributing to issues related to public health, environment, and climate change mitigation. This project is spread across 4 cities-Lucknow, Kanpur, Nashik, and Pune. CAP-India project in addition to developing an understanding of air pollution also aims to bring forward the beauty of imagination among the students from 5-12 standards.

### **Changemakers for Climate Action**

Launched in 2021, this program is a partnership with the Embassy of Italy to reach out to youth across India. Youth voices will be brought forward through deliberations and dialogues around evidence-based, proportionate, and important environmental and sustainable development issues. The recommendations and viewpoints from young participants across the country will be compiled through a bottom-up approach.

### **GO4Youth**

GO4Youth is an annual MCQ-based examination for undergraduate and postgraduate students that evaluate the environmental consciousness, behavior, and aptitude of our future citizenry. It strives to enhance the knowledge of students in the field of policy, economics, science, and social aspects of the environment, thus providing an understanding of stakeholders' response to a given environmental concern. The project is launched in 2020 in partnership with UN Sustainable Development Solutions Network Youth (SDSN Youth) and has received participation from India, Qatar, France, and the USA.

### **The Green Boot Camp**

Initiated in 2020 during the lockdowns as a result of COVID-19, the Green Boot Camp (GBC) was designed to provide opportunities to students for overall development through an online learning structure. GBC primarily covers contemporary environmental issues and provides students a core interactive learning experience in the domain of Education for Sustainable Development (ESD). It also aims to inculcate an aptitude towards mental, emotional, and physical wellness through energizing sessions around yoga and meditation.

## Ongoing projects

### **LIVE with Water: 'Learn, InVestigate and Experiment'- An Indo - Dutch wastewater program**

LIVE with Water is a school education program launched in 2020 to impart and enhance knowledge, build capacity and facilitate action to increase wastewater use to meet increasing water demand for health and sanitation along the Baraphulla drain in Delhi. Interactive teaching-learning strategies to impart lifelong learning's amongst students, teachers, and the surrounding community and strong sustainability mechanisms are the highlights of this extremely relevant project.

### **Promoting Science & Health Communication through Outreach and Capacity Building of School Students and Linked Communities**

TERI in partnership with the National Council for Science and Technology Communication, Department of Science and Technology, Government of India initiated a program in 2021 titled, "Promoting Science & Health Communication through Outreach and Capacity Building of School Students and Linked Communities". The objectives are to make efforts towards building capacity in science, health, and personal behaviors amongst the young brigade of the country along with their linked communities and to develop scientific temper amongst educators for adopting sustainable healthy lifestyles in select schools of Delhi & NCR, Mumbai, Bengaluru, and Kolkata.

### **Youth Engagement Initiative as part of NDC Enhancement Programme**

The program engages youth through a capacity-building program, to enhance their understanding of climate change mitigation strategies. It's a TERI - CIFF joint initiative launched in 2021.

### **Creation of Village Resource Database in Assam**

UNDP program aims at using a mobile application to be housed on a cloud-based content management system to collect village-level data was initiated in 2020.



## A Few Completed Projects

**Climate action through investing in education-** An awareness-cum-capacity building program for 30 schools in Goa. This was implemented from 2010 - 2012 in collaboration with the Dempo Group of Companies, Goa, India.

**The sustainability outreach project-** A newsprint campaign on sustainability that was executed from 2016 - 17 in collaboration with Sociedade De Fomento Industrial Private Limited, Goa, India.

**Environment Education through Activity Based Learning-** A project implemented in Goa and Maharashtra. The project developed an EE syllabus-specific resource kit and conducted master training programmes with teachers to train them on its usage. The project was implemented from 2009 - 2014 in two phases and was supported by the D L Shah Trust, Mumbai, India.

**Sustainability Tracking, Action and reporting in Schools (STARS)** - Focused on the sustainable school concept in 10 schools in Goa and was implemented from 2013 - 2016 in collaboration with the Dempo Group of Companies, Goa, India.

**WASH awareness project for schools-** Supported by Sony Software, Private Limited. The project was implemented from 2016 - 2020 in Bengaluru and aimed to create student ambassadors of change who can facilitate locally relevant community based solutions around the issue of water management.

**Hamari Pathshala-** Sponsored by The Lady Bamford Charitable Trust of J. C. Bamford, India, Limited this project facilitated awareness and a sense of responsibility among the students and Self Help Group (SHG) members on issues related to waste management and water conservation from 2013-15.

**Promotion of Water, Sanitation and Hygiene Education and Water Quality Monitoring in Mangalore City, India-** Supported by the UN-Habitat under the Water for Asian Cities (WAC) Programme, this project aimed to foster sanitation & hygiene education in schools as well as improved water quality monitoring in Mangalore city in India from 2011 - 13.

**Joining Hands for a Better World** - Supported by JUSCO Limited, the project was implemented from 2013 - 14 and targeted teachers and students in Jamshedpur and Adityapur. The project focused on sensitizing the target group about energy-related issues through non-formal modes of teaching, such as audits, competitions, workshops, and group activities.

**LEADearthSHIP** - a youth program on leadership and environment sustainability implemented in the year 2015-16 and was supported by GENPACT focused on 21st-century skill development.

**E' for Energy Efficiency-** A child-friendly, activity-oriented project supported by Power Operation System Co. Ltd. (POSOCO) in Delhi schools from 2013 - 2016.

## A Few Completed Projects

**TERI - NCSTC Eco Next Investigation for Youth-** Catalyzed and supported by the National Council for Science & Technology, DST, the program implemented in 2018-19 and aimed to build the capacity of youth by looking at science as a necessary means to mitigate and solve environmental problems.

**Green Hackathon-** An annual competition for students of secondary schools and junior colleges that brought together young minds in Bengaluru to devise and demonstrate innovative tech-based hacks in 2018-19.

**FLOW (Facilitating Learning on WASH)-** Implemented from 2015 - 18, the project comprised two components- awareness generation about Water, Sanitation, and Hygiene (WASH) issues; and the provision of safe water solutions in targeted areas schools.

**National level UNESCO Leadership Training on ESD-** Conducted under Global Action Programme (GAP) in 2017. The program focused on the capacity building of youth in leadership and sustainability and helped them implement action projects within their institutes.

**ViJaYo (Vidyuth Jagruthi Yojana)-** Focused on the implementation of energy efficiency measures and demand-side management awareness activities in schools in Bengaluru from 2014 - 17.

**'Climate EduXchange-** A school education program implemented the power of digital learning and employee engagement from 2009 - 2017.

**SEARCH (Sensitization, Education, and Awareness on Recycling for a Cleaner Habitat)-** Supported by Tetra Pak India Pvt. Ltd, this project encouraged young students, teachers, parents, and the community to practice the 4Rs—refuse, reuse, reduce, and recycle from 2009 - 2017.

**From Hope to Action-** Supported by Bamford Arnesen Explore (BAE), and in partnership with Access Water Ganga Expedition, TERI worked to generate awareness amongst the youth from schools and colleges and the school community in six identified cities/peri-urban areas along river 'Ganga' through mass awareness and action programmes from 2015-16.

**BEACON (Building Energy Awareness on Conservation) -** Supported by the Bureau of Energy Efficiency (BEE), Government of India, this Energy Education project was conducted in 22 states and Union Territories of India in three phases. The third phase was implemented from 2012 - 14.

**ENZ Sustainability Challenge-** engaged youth across India to develop scalable, sustainable solutions to environmental and societal challenges through a competition mode in 2016 - 17.

## Awards and Achievements

- The Green School Project, a joint initiative of Tata Steel and TERI was presented in India Pavilion at COP24 in Katowice, Poland in December 2018 and again in COP 25 in Madrid, Spain in December 2019.
- Project FLOW was conferred with Pad Man Award 2018, constituted by Yuva Unstoppable.
- Recognized as a Regional Centre of Expertise (RCE), by UNU since 2008.
- Recipient of 'The Manthan Award (South Asia)' in 2011, issued jointly by the Ministry of Information and Technology, Government of India, and Digital Empowerment Foundation for the project 'Climate EduXchange'.
- Recipient of 'The Wenhui Award' for Educational Innovation in 2012, from UNESCO - APEID and the National Commission of the People's Republic of China for Project SEARCH.
- UNESCO's Key Partner for the Global Action Programme (GAP) on ESD for the Priority Action Area 4 on empowering & mobilizing youth from 2014 - 2019.
- Member of the International Expert Networking Group on ESD called 'ESD-Expert Net' led by Engagement Global - Service für Entwicklungsinitiativen, Germany since 2011.
- Recipient of 'Project Award' from the Wuppertal Institute for Climate, Environment, and Energy (Germany) in 2005, for project BEACON.