

Terra Matters Bulletin (July - September) Vol. III of 2024

Message from the Editor's desk

Dear TERI SAS Community,

As we close out another quarter, I'm filled with a sense of accomplishment and excitement for the progress we've made. Our team's dedication, innovation, and hard work have continued to drive our success.

TERI School of Advanced Studies (TERI SAS) successfully organized the Orientation Program-2024 onsetting the new session for both newly admitted UG and PG Students. Additionally, a visit was made by Alessandra Carreon, Commissioner of Michigan Public Service Commission who delivered a talk on EV Battery Circularity.

I particularly would like to emphasise the participation of TERI SAS Students at various large-scale events such as Mercedes-Benz Sustainability Dialogue 2024, International Solar Festival at Bharat Mandapam and International Conference on Green Hydrogen, 2024. Their contributions have been instrumental in making the TERI School of Advanced Studies more visible at various platforms.

Moving forward, we have ambitious goals for the upcoming quarter. I'm confident that by working together and leveraging our collective strengths, we can achieve even greater heights.

Thank you for your continued commitment to our company. Your hard work and dedication are truly inspiring.

Best regards,

*Prof. Suman Kumar Dhar
Vice Chancellor
TERI School of Advanced Studies, New Delhi*





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EVENTS AT TERI SAS

Alessandra Carreon, Commissioner of the Michigan Public Service Commission, visited TERI SAS on July 15, 2024. The event was attended by Prof. Suman Kumar Dhar, Honorable VC, TERI SAS, delegates from TERI, faculty, and PhD scholars of TERI SAS. Col. B Venkat, Registrar of TERI SAS, delivered welcome remarks, followed by a talk by Alessandra Carreon on EV Battery Circularity: From Mineral to Energy Infrastructure and End-of-Life Management. It was followed by a Q&A session and a comprehensive presentation by the Dean (Research and Partnerships) on TERI SAS research activities, providing a unique opportunity for learning and discussion.



An open house was conducted on August 24, 2024 for the UG students where the students were given an overview about the programmes and infrastructural facilities of the institute.



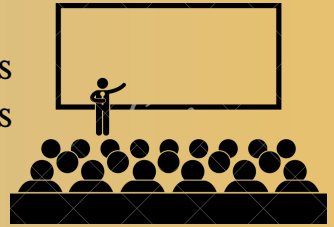
The Orientation programme for the first-semester students of the UG Programmes (5 Year Integrated PG Programmes in Environmental Studies and Data Science, B.Sc. programmes in Economics, Environmental Studies & Data Science and BBA) was successfully held on September 3, 2024.



CBSE School Principals visited TERI SAS on August 8-9, 2024 as part of exposure to Higher Educational Institutes. The visit was organised through CBSE.



Orientation Programme for the Post-graduate (PG) programmes was organised on August 12 -13, 2024 at the TERI SAS campus which marked the beginning of the new academic year.



TERI SAS celebrated the 78th Independence day on its campus.



TERI SAS, with support from the Indian Energy Exchange, conducted a 2-day MDP on Energy Transition on August 01-02, 2024 at its Campus. Sector experts shared vital insights on evolving themes and developments, which included - renewables, climate finance, green power markets, carbon funding, smart grids, decarbonization and new solar technologies.

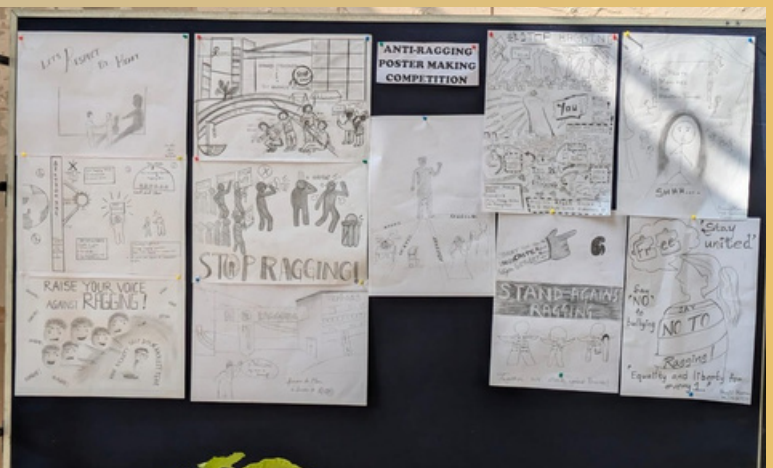


Over 40 mid-career professionals representing IPPs, Discoms, energy PSUs, consultancy groups, bilateral agencies and entrepreneurial ventures had a great learning experience. The session was conceptualized and organized by two faculty members - Dr Sapan Thapar and Dr Gopal K Sarangi.



A group of 50 students along with their faculty members from N K Bagrodia Global School, Dwarka visited TERI SAS campus on August 23, 2024. They were informed about the green features of TERI SAS campus and the career opportunities in the area of Sustainable Development.

TERI SAS recently organised an Anti-Ragging Poster making competition at its campus, bringing together students from diverse disciplines to creatively express their commitment to a safe and inclusive academic environment. Students showcased their talents using vibrant colours, powerful slogans, and thought-provoking visuals that captured the emotional and psychological toll of ragging. The event attracted enthusiastic participation, with entries judged by faculty members based on creativity, clarity of message, and overall impact.





FACULTY CORNER



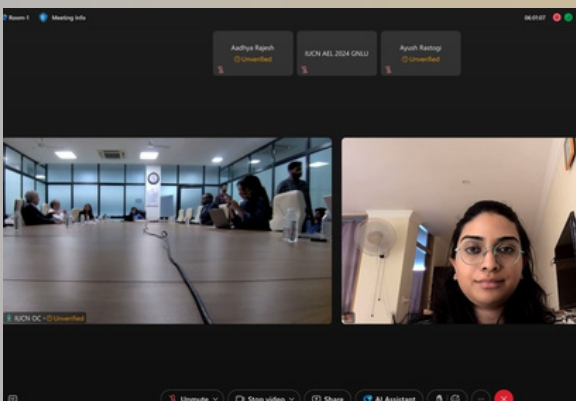
Dr Priyanka Arora, was invited as a mentor at Advanced Graduate Workshop on Poverty, Development, and Globalisation organised by Azim Premji University and the Institute for New Economic Thinking, Bangalore, July 7, 2024 to July 21, 2024

Dr Anand Madhukar, has published an editorial in the Deccan Herald on “Securing livelihoods for Kotwalias” on July 3, 2024.



- He visited and delivered an invited talk at Massey University, Palmerston North, New Zealand in July 2024.
- His abstract and research paper on ‘Designing the climate vulnerability framework for rural communities in western Uttar Pradesh India’ got accepted by COSVARD 2024 being organized by IIT Madras and University of Melbourne, Australia.
- His abstract and research paper on ‘Leveraging Non-Timber Forest Products (NTFPs) for Community Development: A Case Study of the Kotwalia Tribe in Gujara’ got accepted by COSVARD 2024 being organized by IIT Madras and University of Melbourne, Australia.

Dr Shruti Sharma was a key speaker at the 10th Annual Sustainable Water Management conclave, New Delhi with the inaugural theme of ‘Celebrating Women in Water’, an event dedicated to recognizing and honouring the invaluable contribution of women in the field of water management, conservation and sustainability along with the idea of promoting technology in water sector.



Dr. Manini Syali, Assistant Professor, Centre for Post-graduate Legal Studies, presented her research paper on ‘Utilizing the SDG Framework for Environmental Rule of Law in South Asia’ at the 21st International Union for Conservation of Nature (IUCN) - Academy of Environmental Law Annual Colloquium, 2024, held on July 5, 2024. The 2024 edition of the colloquium was hosted by Gujrat National Law University (GNLU).

Dr Naqui Anwer Head, Department of Sustainable Engineering, TERI School of Advanced Studies, delivered a talk on “Energy Security and Role of Green Energy Source” at the International Conference on Renewable Energy and Sustainable Technologies on July 6, 2024 at Jamia Millia Islamia, New Delhi.



Dr Ramakrishnan Sitaraman

- Springer Nature Research Communities Blog Post - **Sitaraman R (2024)**. No room! Microbial metabolites, a dopamine receptor and colonization resistance. URL: <https://tinyurl.com/5bh5yera>



- Chapter in edited book - **Sitaraman R (2024)**. Subversion from within and without: Effector molecule transfer from obligate intracellular apicomplexan parasites to human host cells. In: Kloc, M., Kubiak, J.Z., Halasa, M. (eds) Intercellular and Interorganellar Transfer and Communication in Biology and Medicine. Results and Problems in Cell Differentiation, vol 73, pp 521–535. doi: 10.1007/978-3-031-62036-2_20. ISBN: 978-3-031-62035-5. Springer, Cham.
- Programme and curriculum design for the proposed undergraduate programme in biotechnology (along with other departmental colleagues).

Dr Pritha Datta , Mishra, T., Datta, P. and Behera, B., 2024. Corporate environmental responsibility, financial performance and environmental outcomes in India: A review. Discover Sustainability, 5(1), pp.1-20.



- Datta, P., Behera, B. and Sonobe, T., 2024. Assessing forest villagers livelihood vulnerability to the environmental changes in Buxa Tiger Reserve of sub-Himalayan India. Trees, Forests and People, 17, p.100632.
- Chettri, D., Datta, P. and Behera, B., 2024. Climate Change and Household Food Security in the Himalayas: A Systematic Review of the Challenges and Household Adaptive Measures. Environmental Development, p.101019.
- Role of G20 in Enhancing Institutional Quality for Ensuring Global Food Security. <https://www.t20brasil.org/>



Dr Moumita Mandal, was invited as a resource person and a speaker by the RGNUL Punjab on climate change and human rights for 2 credits certificate course on human rights and justice, organized by Centre for Advanced Studies in Human Rights (CASIHR) at Rajiv Gandhi National University of Law Punjab on September 15, 2024.

- Organized lecture on “Climate Justice and Governance: Why the Youth in India Need to Care” by Susan Ann Samuel, University of Leeds - School of Politics and International Studies, United Kingdom on September 20, 2024.
- Participated in the International Conference on ‘Green Hydrogen’, organized by the Government of India (GoI), on September 12, 2024 at Bharat Mandapam on September 12, 2024.
- Published an article on ‘Role of International Law to End Climate-Induced Sexual and Gender-Based Violence: A Critical Analysis of Recommended Solutions’ (September 09, 2024) Max Planck Institute for Comparative Public Law & International Law (MPIL) Research Paper No. 2024-24.
- Participated in the workshop on ‘Grant Writing and Management’, held at Dr B. R. Ambedkar University Delhi (Karampura Campus) on September 6-7, 2024, organized by the India Offices of Max Planck Gesellschaft (MPG) and University of Cologne (UoC) on September 6-7, 2024.



- **Dr Kavita**, presented a paper titled, ‘Closing the Loop: Waste Management Policies as Pillars of a Circular Economy’ in National Conference on Sustainable Development Goals - Bridging the Gaps through Higher Education, held on 26-September 27, 2024 organized by National Centre for Sustainability and Climate Change (CSCC), University School of Environment Management at Guru Gobind Singh Indraprastha University.
- Invited as a judge in Quarter-Final Rounds of 2nd Prof. Christof Heyns India School Moot Court Competition, 2024, organized by the Criminal Justice Research Cell on September 28, 2024 at University School of Law and Legal Studies, GGSIPU in collaboration with the Centre for Human Rights, University of Pretoria, South Africa and Kathmandu School of Law, Nepal.



STUDENT CORNER



TERI SAS students of various programs attended Mercedes-Benz Sustainability Dialogue 2024 on September 3, 2024 at Bharat Mandapam, New Delhi.

Aanchal Khera, MA-SDP 3rd semester student received an opportunity to serve as a judge at the IIT Delhi Rendezvous, Greenovation Showdown Competition, Sustainability Challenge, as a part of the New Delhi Global Youth Summit.



This year, on 78th Independence Day, Aanchal Khera, MA-SDP Student of TERI SAS had the privilege of being a part of the Tiranga Pratiyogita as one of the judges in Chandigarh. As a judge, she had the opportunity to assess the activities presented by 14 Resident Welfare Associations (RWAs) and was impressed by their innovative displays and performances.

MA-SDP student, Aanchal Khera participated in LCOY India 2024 in Mysore. The vibrant city of Mysore recently played host to a gathering of passionate young minds – the Local Conference of Youth India 2024! As a delegate, she had the incredible experience to immerse in a whirlwind of learning, collaboration, and action, all centered around the critical issue of climate change. Partner agencies like Bring Back Green Foundation, Sattvic Soul Foundation, SEEPAD Foundation, Enact Earth Foundation, YuWaah India at UNICEF, UNICEF India, ECB Sustainable Youth Foundation, WWF-India, Movers Programme, The Climate Reality Project - India & South Asia Climate Group, Hasiru Dala Innovations and many more, brought a wealth of experience to the table



'KNOWLEDGE FOR SUSTAINABLE DEVELOPMENT'

MBA Cohort of TERI SAS brought yet another session of Campus To Corporate series. We were thrilled to welcome Mr Eduardo Avila, Executive Director at Revolusolar, Brazil. The session delved into the critical role of renewable energy in our future, explore cutting-edge strategies for sustainable energy development, and shed light on industry trends and innovations in solar technology.

CAMPUS TO CORPORATE
An Initiative led by MBA (SM) Students

"SOLAR ENERGY"

09 SEPTEMBER 2024
Monday

09:00 AM

ROOM NO: C-103
TERI SCHOOL OF ADVANCED STUDIES,
VASANT KUNJ, NEW DELHI

EDUARDO AVILA



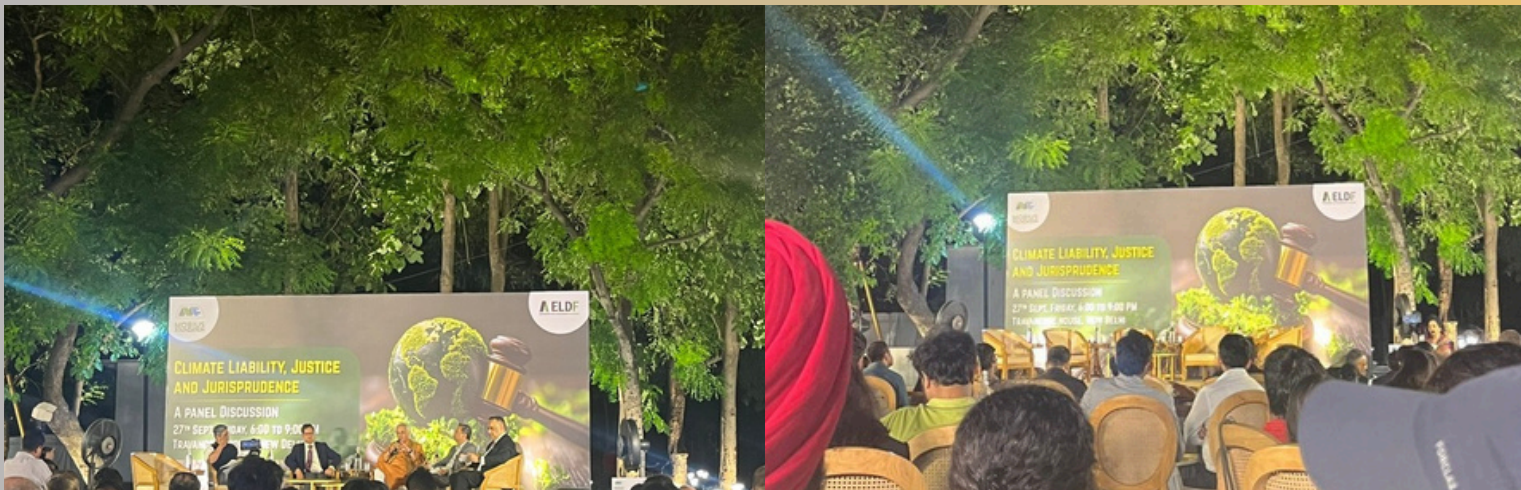
Students of TERI School of Advanced Studies, New Delhi attended the International Conference on Green Hydrogen (ICGH-2024) organized in collaboration with the United Nations Environment Programme (UNEP) on September 12, 2024 at Bharat Mandapam, New Delhi

“Solar Festival: A Time for Renewal”

Students of TERI School of Advanced Studies, New Delhi attended the International Solar Festival on September 5-6, 2024 at Bharat Mandapam, New Delhi



LLM students of TERI SAS attended legal Symposium on ‘Climate liability, Justice and jurisprudence’ on September 27, 2024. The event was organised by ELDF and Mobius Foundation.



'KNOWLEDGE FOR SUSTAINABLE DEVELOPMENT'

The MBA (Sustainability Management) students of TERI SAS organized the CSO Conclave 2024, featuring insightful discussions on key sustainability topics. The event included a panel discussion on 'ESG Preparedness for a Low Carbon Future', a round table on "Net Zero Strategy for Decarbonization Pathway", and a second panel discussion on "Public Private Partnership for Sustainable Business Growth". The Conclave also featured a fireside chat on "Circular Economy: My Forest Solution" and a student-driven industry solutions segment, emphasizing innovative approaches to sustainability.



The MBA (Sustainability Management) students of TERI-SAS successfully hosted 'Sangam', the Grand Alumni Homecoming Meet. This event provided a valuable opportunity for alumni to reconnect, share their experiences, and celebrate the lasting bonds formed during their time at TERI SAS.

We extend our heartfelt gratitude to all attendees for making this event memorable. Together, we look forward to continuing our journey of collaboration and inspiration.



An event was organized with CMS Vatavaran on September 17, 2024 in our campus and over 80 students from BSc and MSc programme of Department of Natural and Applied Sciences (DNAS) participated in this event. The students showcased their creative visions of wetland conservation on theme 'Wetlands for Life Delhi NCR Painting Competition' at Ganga Auditorium Indira Paryavarana Bhavan, MoEF&CC building Jor Bagh.



Two of our UG students, Ishaan Nagepalli from BSc Environmental Studies won the third prize and Aarav Verma from BSc Data Science were shortlisted amongst best 15 finalist for this painting competition. Both were invited for award ceremony on October 5, 2024.

Fresher's Party. The atmosphere buzzed with excitement, especially during the highly anticipated Mr & Ms Fresher's competition, where participants captivated the audience with their flair, style, and charisma in a fun ramp walk and talent round. Dressed in the theme's refreshing blue and white, everyone embodied the vibrant spirit of the evening.



INSTITUTIONAL CORNER

TERI SAS Senior Management Programme (Corporate Social Responsibility and Sustainable Development) kick started with Campus Immersion between July 5-7, 2024. This 6-month programme is the first programme from TERI SAS in the long duration online executive education format. A total of 75 senior executives have joined this programme with experience ranging from 8 years to 53 years with more than 20 industry segments reflected in participant's profiles.



Faculty and staff of TERI School of Advanced Studies interacted with parents and students at the Career fair hosted by DPS RK Puram, New Delhi.



Department of Natural and Applied Sciences & Centre for Post Graduate Legal Studies, Department of Policy and Management Studies, Organized a seminar & training programme On 'A Step Towards Adopting Global Convention Against Cybercrime: The Existing Best Practices in ICT Security' on September 27, 2024. It brought experts from different disciplines like science, law and practice on the same platform and they shared their knowledge with the audience.



On September 24, 2024, the TERI School of Advanced Studies (TERI SAS) signed a Memorandum of Understanding (MoU) with the University of Leeds (UoL) to enhance academic collaboration and establish a long-term partnership between the two institutions. This strategic agreement aims to foster joint research projects and organize academic activities, including courses, conferences, and seminars. Additionally, it will facilitate the exchange of research and teaching personnel and create opportunities for student placements and exchanges.

To initiate this collaboration, faculty members from the School of Politics and International Studies (POLIS) at the UoL and the Department of Policy & Management Studies at TERI SAS have come together to facilitate the 'International Collaborative Studio on Public Policy'. This course is part of the Master's Programme in Public Policy & Sustainable Development offered at TERI SAS.



TERI School of Advanced Studies (TERI SAS) hosted an Inspiring Session of the 'Green Film Fete' as Part of the 'Delhi Wetlands for LiFE' & '12th CMS VATAVARAN' Film Festival on September 17, 2024. More than 100 students from BSc Environmental Studies, BSc Data Science, BBA, MSc Environmental Studies and Resource Management, and MSc Climate Science and Policy programmes participated in this event. The students were involved in various activities like painting competition, movie screening, dialogues and discussions with the CMS Vatavaran team and renowned and award-winning filmmaker Anoop Khajuria. This session is a key part of the Green Film Fete, an outreach event leading up to the main Delhi Wetlands for LiFE Film Festival and Forum, scheduled from October 3-5, 2024.



Ph.D. AWARDED

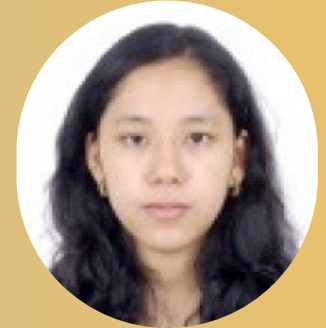


Dr Sulaksha S Shetty

Title : A study on business organization and its leadership for achieving Sustainable Development with a particular reference to the Indian situation.

Dr Jayalakshmi Paonam

Title : Ecosystem Services and Institutional Mechanism for Conservation of Loktak Lake: A Ramsar Site in Manipur



Dr Tanya Sharma

Title : Assessment of nexus between Built Environment, Travel Behaviour, and Environmental Health: A case study of Delhi

IPCA Centre for Waste Management and Research



A study on 'Carbon Stock Assessment of Green Area Developed by Perfetti Van Melle in Rudrapur' was conducted. Various pools of carbon like above ground, below ground biomass and soil were analysed to arrive at the carbon stored in the ecosystem. A health assessment of the trees was also conducted. Suggestions for maintenance and the improvement of the green area was provided as part of the study.



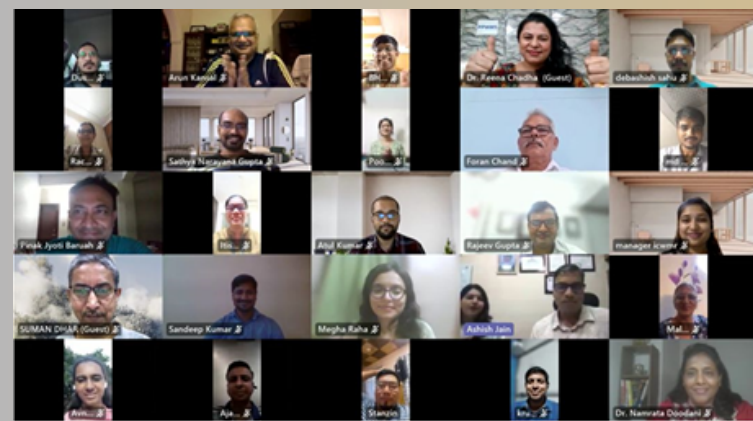
Training on Waste Management Systems: Operations and Maintenance was held from August 27-30, 2024 at TERI SAS with the support from Ministry of Climate Change, Environment and Energy, Maldives. The training was attended by participants, representing 7 island councils of Maldives.

Stakeholder mapping and benefit analysis study was conducted for the bio-CNG plant in Indore. As part of the study, community survey and stakeholder consultations were conducted, technical assessment of the plant was done and recommendations were provided.



During the programme, sessions were held on sustainable waste management and participants were taken for exposure visits to waste management facilities in Delhi and NCR.

Webinars on 'EPR in plastic waste management', 'Biomedical waste management' and 'Forest fires of Uttarakhand' were organised in July, August and September respectively in collaboration with Uttarakhand Pollution Control Board (UKPCB). The webinars were attended by 650+ participants.



During this quarter, online classes for Certificate Course on Entrepreneurship in Solid Waste Management were held. The felicitation ceremony was conducted on August 3, 2024 where they shared their experience of the course and were awarded certificates.

- Monitoring of the Main Work of Private Partnership Project for Collection, Transportation, Treatment and Disposal of MSW in 5 zones of MCD is ongoing. Regular meetings with the concessionaires and officials are being held, with both parties actively collaborating to improve operations in the waste management scenario in the National Capital.
- A book chapter titled "The Nexus of Ecosystem Services and Human Wellbeing: Case Study from the Forests of Western Ghats, Kerala, India" has been published in the book, Ecosystem Services Valuation for Sustainable Development, Springer, Singapore, which features the work of Dr Divya Soman, Scientist B, ICWMR.
- Ms Garima Kaushik, Head, ICWMR, took a session on "Plastic Waste Management" in the National Seminar on Plastic Waste Management, organised by Indian Biodiversity Conservation Society on July 6, 2024.
- Prof. Arun Kansal, Director, ICWMR took an online session on "Renewable Energy and Circularity in Energy" on August 23, 2024 for the Green School Initiative of TERI.

25 Glorious Years of Sustainability

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