

"We have already crossed the 1.5°C temperature threshold, and 2025 is on track to be the hottest year on record. In times like these, it's essential to stay hydrated, keep water bowls for birds and animals, and plant trees wherever possible—whether it's in your balcony, colony, or any available space. Every small action counts in this climate crisis, and it's up to all of us to make a difference."

— **Pradip Burman, Chairman, Mobius Foundation**

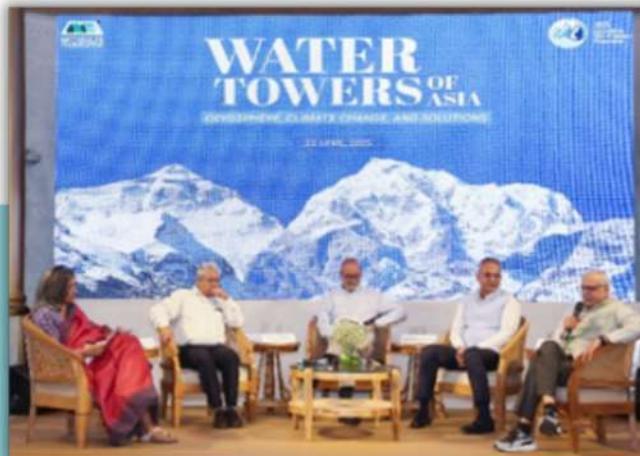


Panel Discussion – ‘Water Towers of India’

Taking forward the mission of a sustainable and greener planet and preserving the critical ecosystems, the Mobius Foundation organized a thought-provoking panel discussion on the theme **“Water Towers of Asia: Cryosphere, Climate Change, and Solutions”** at Bikaner House, New Delhi on International Earth Day - **22nd April, 2025**. The event aligned with the global objectives of the first International Year of Glacier Preservation (2025) by focusing on one of the world's most critical glacial regions, the Hindu Kush Himalayas also known as the Third Pole.

The panel consisted of a highly acknowledged group of experts: **Mr. Brij Mohan Singh Rathore, IFS** (Ex-Joint Secretary - Ministry of Environment, Forests & Climate Change; Ex-Chief Policy Advisor, ICIMOD, Kathmandu); **Dr. A.P Dimri**, Director, Indian Institute of Geomagnetism, Mumbai; **Prof. Anil Kulkarni**, Distinguished Visiting Scientist, Divecha Center for Climate Change, IISc Bengaluru; **Captain (Retd.) Anurag Bisen**, Senior Fellow, VIF, New Delhi; **Moderator - Dr. Sulagna Chattopadhyay**, Secretary General, LIGHTS Foundation and Editor in Chief at Geography and You.

Mr. Praveen Garg, President, Mobius Foundation, in his inaugural address, highlighted the Himalayas as Asia's vital "Water Towers," stressing the urgent need for science-based solutions, carbon emission cuts, and youth-driven environmental action to protect the glaciers.



Glimpses from the event

The panellists delved into key issues affecting the Himalayan cryosphere, highlighting its cascading impacts on high-altitude ecosystems. They emphasized the urgent need for better monitoring, local adaptation, and cross-border cooperation in research and policy. **Dr. Sudheer Shukla, Head-Mobius Foundation Think Tank**, concluded the event by emphasizing the critical need for climate action and reaffirming Mobius' commitment to environmental sustainability.

The discussion brought together more than 140 attendees, including academics, policy experts, students, and journalists, to explore challenges and solutions related to the Himalayan cryosphere, climate change, ecosystems, water security, and policies.



Glimpses from the event



7th INTERNATIONAL CONFERENCE ON SUSTAINABILITY EDUCATION (ICSE) – 2025

The 7th edition of the International Conference on Sustainable Education (ICSE) is set to take place under the theme '**Sustainability Education for Green Jobs**'. Aiming to inspire actionable change, the conference will feature thought-provoking plenary sessions, engaging Sustainability SAMVADs, and inspiring youth-led initiatives in the fields of environment and sustainability. The official website for ICSE 2025 is now live, with the concept note, brochure, banner, and other key materials available for viewing. The ICSE Secretariat is currently curating tailored sessions and building strategic partnerships to deliver a powerful and relevant event. Key themes will include Population & Jobs, Youth for Earth, Circular Economy, and ESG.

Mark your calendars and stay tuned for more updates at www.icse-esd.org



YOUTH FOR EARTH



The 6th edition of the Youth for Earth (Y4E) 2025 campaign, a joint initiative by the Mobius Foundation and The Climate Reality Project, was officially launched in January 2025. The campaign has received an overwhelming response, with **over 70 registrations** from both national and international participants, including entries from Bangladesh, Nepal, and Sri Lanka—exceeding the expectations of both organizing bodies.

Participants are required to submit their project reports using the prescribed format by the extended deadline of 31st May, 2025. All submission guidelines and the report template are available on the official Y4E website. Selected winners from the Junior and Senior categories will be recognized and their projects showcased at the **7th International Conference on Sustainability Education (ICSE) 2025**, scheduled to be held at the India Habitat Centre, New Delhi, on 17th – 18th September, 2025.

For guidelines and the report format, visit: [Y4E 2025 Website](#)



GYAN ANANT VIDYALAYA (GAV)



Line Following Robot (National Level Coding and Robotics Competition), IIT Delhi – 29th March, 2025:

The event brought together some of the brightest and most innovative minds from across the country. **The Lego Legend**, representing GAV, emerged as the **1st Runner-Up**, securing a coveted trophy in this highly competitive and prestigious event. This outstanding achievement is a testament to their hard work, creativity, and relentless pursuit of excellence in the field of robotics and innovation.

Earth Day – 22nd April, 2025: was celebrated with a rally to spread awareness about the importance of trees and plants. Students expressed their creativity through badge-making, wristband and headgear design, and a beautiful clay-moulded nature painting. A poster-making competition added to the excitement, with winners receiving certificates. To deepen their connection with nature, students also planted seeds, observed germination, and took home their very own "Buddy Plant"—a symbol of their promise to care for the Earth.

Roots and Shoots Activity – 25th April, 2025: Students participated in the "Our Power, Our Planet" poster-making activity. Through vibrant and imaginative artwork, they highlighted how clean energy sources—sun, wind, and water—can shape a sustainable future. Their posters now brighten our school boards, spreading awareness and inspiring everyone to act for the planet.



The Lego Legend receiving the 1st runner-up award at Line Following Robot at IIT Delhi

Students during Earth Day celebration

Students posing with posters they made during Roots & Shoots activity

Good Touch, Bad Touch Session – 25th April, 2025: conducted to help students understand personal boundaries and safety. Through interactive activities, they learned to identify safe and unsafe interactions, gaining the confidence and skills needed to protect themselves and make informed choices.

AWARDS AND RECOGNITION

26th April, 2025

Dr. Poonam Singh Minhas, Principal, GAV, has been honored with the **EduInspirer of the Year 2024–25 award**. With a Ph.D. in History and certifications across IB, CBSE, and Cambridge, Dr. Minhas is a trailblazer in inclusive education. Her dedication to empowering young girls and leading impactful SDG-based initiatives has made a lasting difference in the field of education. This prestigious recognition celebrates her inspiring leadership, innovation, and unwavering commitment to nurturing future-ready learners.



GYAN KANYA SHAKTI: 100 SCHOOL PROGRAM

UTTAR PRADESH

- MiVIRTUE Endline Assessments** - were successfully conducted across all 17 Kasturba Gandhi Balika Vidyalayas (KGBVs). These assessments focused on measuring learning outcomes and shifts in students' values and behavior.
- Regular Classes by Lotus Petal Foundation (LPF) and MiVIRTUE curriculum** - continued with strong participation. Sessions emphasized personal development, self-awareness, and value-based education.
- Academic Results** - were compiled and finalized from all 17 KGBVs across five districts. This data will support the review of student progress and guide upcoming academic planning.
- District-Level Wardens' Review Meetings** – conducted under the leadership of Ms. Neelu, District Coordinator, across all districts. These sessions focused on evaluating implementation, resolving on-ground challenges and ensuring consistent program delivery.



Glimpse from regular classes by LPF and MiVirtue

Field Visit: Kaushambi District – Ms. Pooja Prasad and Ms. Poonam, accompanied by the District Magistrate of Kaushambi, visited KGBVs in the Manjhanpur and Sirathu blocks. The visit included classroom observations (Maths & Life Skills) and meaningful discussions with the school teams. The District Magistrate commended the initiative and assured continued support for the Gyan Kanya Shakti program.



Students showcasing their artwork created for Earth Day



Field Visit to KGBVs - Manjhanpur & Sirathu blocks by Ms. Pooja Prasad, Mrs. Poonam & Mr. Madhusudan Hulgi, DM-Kaushambi

MADHYA PRADESH

- Data Updating: District Coordinators and Ayojikas have been actively updating data related to previous year results, new admissions, and other key information concerning various GKS schools and students.
- Need Assessment for Personality Enhancement Program (PEP): The Instrucko Team conducted a need assessment for students of Grades 9 and 10. GKS Madhya Pradesh plans to roll out the Personality Enhancement Program in the 2025–26 academic session, with modules covering email etiquette, financial literacy, and other life skills.
- Updates Shared with Education Department Officials and School Stakeholders: Officials from the Education Department and school stakeholders were briefed on the ongoing activities under GKS and were updated about plans for the upcoming academic session.
- Feedback from Principals and Teachers: Principals and teachers from various GKS adopted schools shared positive feedback, noting that while the changes are gradual, they are beginning to see a steady and meaningful impact on students through the ongoing initiatives.



Personality Enhancement Program by Instrucko Team for class 9 & 10



Updates shares with Department officials and school stakeholders



Feedback from GKS adopted schools



PROJECT AAKAR :



UMMEED 1.01

- **Health Mela – 15th April 2025, Haidarabad Village (Jarwal Block):** Inaugurated by Dr. Sanjay Sharma (Chief Medical Officer, Bahraich), the event connected rural communities with vital services on health, nutrition, and family planning. Key programs included a baby shower by Integrated Child Development Services (ICDS), adolescent health counselling, and sanitary napkin distribution. The event witnessed 512 registrations, with 145 individuals counselled and 58 beneficiaries receiving family planning services.
- An ANM Cluster Meeting was conducted to engage and strengthen the capacities of frontline health workers.
- Routine trainings and cluster-level meetings continued at the block level to build momentum for community-based health interventions.

UMMEED 2.02

- ASHA and ANM training sessions were conducted across all selected blocks and districts. These sessions aimed to enhance frontline workers' knowledge of family planning methods and related topics.
- The district team conducted supervision of Family Planning Counselling Corners (FPCCs) and data collection to ensure that all trained staff performed their assigned responsibilities.
- Mentoring of FPCC staff was carried out, focusing on record-keeping and transforming kiosks into permanent FPCCs by utilizing available space within health centres.

Dr. Ram Boojh, Advisor and Mr. Prabhat, Project Associate, along with Population Foundation of India (PFI) State team visited Deva Community Health Centre (CHC) in Barabanki. They reviewed FPCC operations, interacted with key healthcare officials, and collected feedback to enhance project visibility and impact.

AAKAR JANANI: SIDDHARTH NAGAR

- Fixed Day Services (FDS): 52 female sterilizations were successfully conducted across 8 FDS sessions.
 - Notably, the Itwa and Birdpur blocks recorded over 10 sterilizations each.
 - Both Minilap and Laproscopy procedures were performed by experienced surgeons Dr. Vivek Mishra and Dr. P. Kanaujia.
- Outreach and Awareness:
 - Outreach camps were conducted at various PHCs and CHCs, where eligible couples received counselling on sterilization methods and information about upcoming FDS sessions
 - The team actively participated in cluster meetings across multiple locations to boost community engagement.



Glimpse from the Health Mela in Haidarabad, Jarwal, Bahrach district



Still from outreach camps at PHCs & CHCs



Dr. Ram Boojh & Mr. Prabhat's visit to Deva CHC, Barabanki

ARTICLE



INDIA'S JOURNEY TO NET ZERO: A CASE STUDY ON TRANSITIONAL OPPORTUNITIES FOR RENEWABLES UNDER C₅₀ AND C₁₀₀ SCENARIOS

This article explores India's strategies for transitioning to net-zero emissions, focusing on rising energy demand and its impact on greenhouse gas (GHG) emissions. As part of its global commitments, India targets net-zero by 2070 and aims to install 500 GW of renewable energy capacity by 2030. The study simulates two scenarios: C₅₀ (50% reduction in fossil fuel-based electricity) and C₁₀₀ (100% reduction), analysing how to phase out fossil fuels and scale up renewables. Currently, renewable energy (excluding nuclear) accounts for 43% of India's electricity generation (426.72 GW).

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REVIEW

India's Journey to Net Zero: A Case Study on Transitional Opportunities for Renewables Under C₅₀ and C₁₀₀ Scenarios

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Abstract: Global energy demand is increasing annually due to rising economic activities and population growth, making energy production a major greenhouse gas source. Current trends had alarmingly exceeded the 1.5°C target as emissions surpass 53.8 Gt CO₂ eq. India, as a signatory to the United Nations Framework Convention on Climate Change (UNFCCC), aims for net zero by 2070 and 500 gigawatts (GW) of renewables by 2030, requiring urgent action to phase out fossil fuels and transition to clean energy. The present study aims to analyze the relative pathways to phase out fossil fuel-based electricity generation and assess the collective investment required for renewable electricity generation. Renewable electricity generation is growing steadily and currently constitutes about 43% of the total electricity being produced in the country (426.72 GW, excluding nuclear power). This study examines phased energy transition pathways through a case study, focusing on the C₅₀ and C₁₀₀ scenarios, which correspond to a 50% and 100% reduction in fossil fuel-based electricity generation, respectively. Using simulation-based modeling, the present study identified that in the C₅₀ scenario, the total renewable electricity will have a 66% surge in 5 years. An advanced simulation of C₁₀₀ to complete phaseout of fossil fuel-based electricity generation can be attained with a surge of ~133% in renewable electricity generation. Both simulations under the capital investment opportunities, ranging from 99.13 to 199.26 thousand crore INR annually with a proposed contributing share from the central, state, and private sectors reaching 47.38, 49.17, and 101.71 thousand crore INR, respectively, in the C₁₀₀ scenario. Besides the government, huge private sector investment in the transition to renewables would be essential. Additionally, comprehensive policy reforms and increased public awareness of the role of renewable energy in climate change mitigation are important. The study urges a multi-stakeholder approach, including financial, technological, and policy reforms, for successfully achieving the energy transition targets of the country.

Keywords: energy transition, renewable energy, electricity generation, phase-out fossils, carbon neutral

To meet the C₅₀ target, renewable electricity must grow by 66% in five years; C₁₀₀ would require a 133% increase. Estimated annual investments range from ₹99.130 thousand crore to ₹198.26 thousand crore, with C₁₀₀ involving contributions of ₹47.38 thousand crore from the Central, ₹49.17 thousand crore from the State, and ₹101.71 thousand crore from the Private sector. The study highlights the importance of policy reform, private investment, and public awareness. A multi-stakeholder and well-coordinated approach is important to achieve India's clean energy transition.

Authors: Dr. Aditya K Joshi, Advisor, Mobius Foundation; Dr. Panna Chandra Nath, Research Associate, Mobius Foundation; and Arun Jyoti Nath, Professor, Department of Ecology & Environmental Science, Assam University.

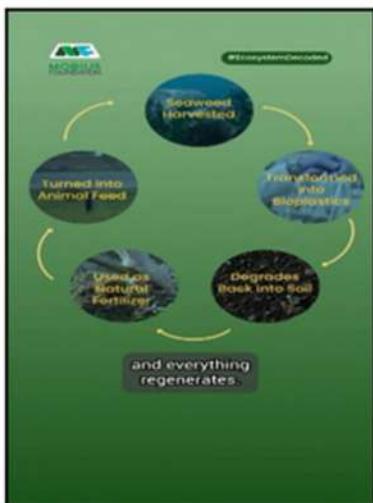
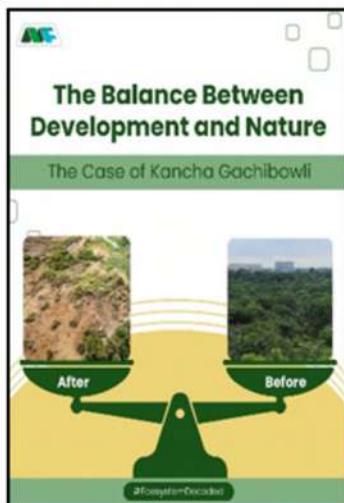
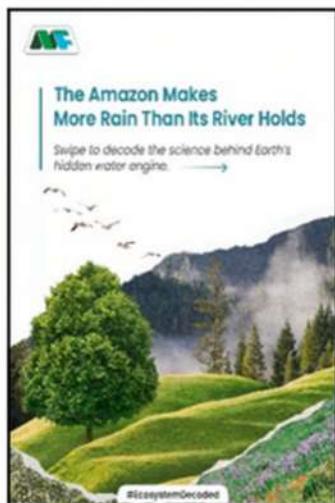
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Link: <https://doi.org/10.55544/ijrah.5.1.4>

DIGITAL CAMPAIGN



#EcosystemDecoded – Understanding India's Ecosystems



Impressions - 1,56,178 | Reach - 1,29,592 | Engagement - 2,756

#ExplainedByMobius - Educational & Awareness Content

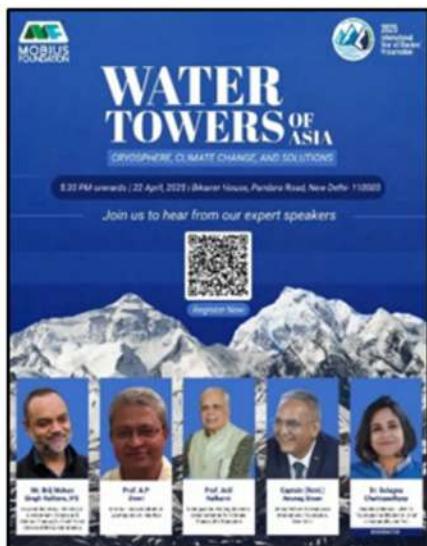


Impressions - 60,323

Reach - 50,933

Engagement - 10,966

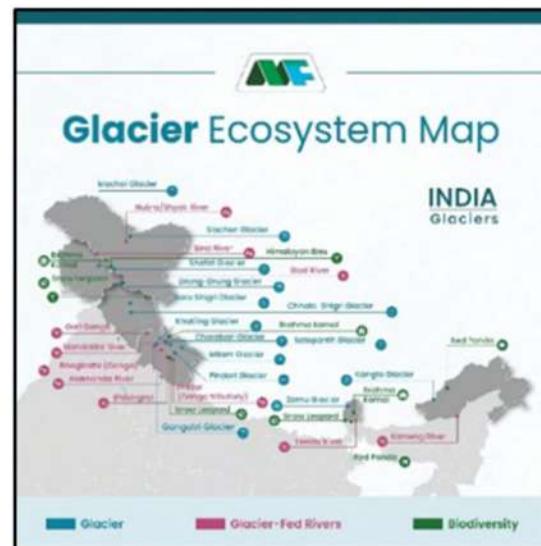
#MFSymposium



Impressions - 63,638

Reach - 57,568

Engagement - 816



#MobiusImpact - Impact & Achievements



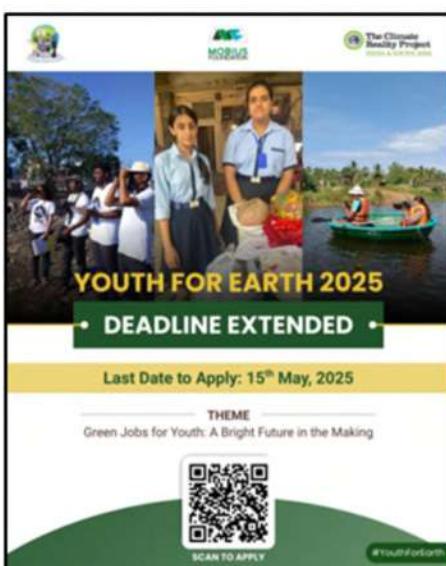
Impressions - 1,95,955

Reach - 1,32,104

Engagement - 3,415



#Y4E2025



Impressions - 29,528

Reach - 21,092

Engagement - 425

Impressions - 21,882

Reach - 20,254

Engagement - 185

#MFChairmansDesk



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