

TRAINING WORKSHOP ON

Climate Change and Carbon Credits

16-17 July 2025

Seminar Room, IRDM Faculty Centre, Narendrapur, Kolkata- 700103



Organised by
School of Environment and Disaster Management
Ramakrishna Mission Vivekananda Educational and Research Institute
(Deemed to be University)



In Collaboration with



TECHNO INDIA
UNIVERSITY

Salt Lake, Sector-V, Kolkata

1. Background and Rationale

The escalating threat of climate change has propelled the global community toward decarbonisation, with carbon credit mechanisms emerging as a viable economic instrument to mitigate greenhouse gas (GHG) emissions. While much attention has been given to carbon sequestration in forests and soil, the vast potential of biodiversity in supporting carbon markets remains underutilized. Bio diverse ecosystems ranging from mangroves, sea grasses, peat lands, to bio diverse agroforestry systems play a crucial role in capturing and storing atmospheric carbon. Moreover, biodiversity ensures ecological resilience and stability, thereby enhancing the permanence and integrity of carbon stocks. Recognizing this nexus between biodiversity and carbon finance is vital for fostering nature-based solutions that are both ecologically robust and economically viable.

This workshop is envisioned as a timely and transformative initiative that bridges the gap between biodiversity conservation and climate finance. By placing biodiversity at the centre of carbon credit discourse, we aim to catalyse innovation in environmental policy and project development. With growing global emphasis on nature-positive investments and ecosystem-based mitigation strategies, this initiative aligns with international commitments to climate action and biodiversity protection under frameworks such as the Paris Agreement and the Kunming-Montreal Global Biodiversity Framework.

2. Objective:

This 2-day workshop aims to create awareness, build capacity, and promote interdisciplinary dialogue on the potential of biodiversity in generating carbon credits. It will bring together researchers, policymakers, forest managers, community leaders, carbon finance experts, and biodiversity conservationists to explore actionable frameworks and methodologies for integrating biodiversity into carbon credit systems.

3. Structure

Day-1 : 16 JULY 2025		
10:30 – 11:00 AM	Inaugural Function: Setting the Context	
11 AM to 12 PM	Dr. Abhijit Mitra	Climate Change: Causes and Impacts
12 PM to 1 PM	Dr. P G Dhar Chakrabarti	Climate Change: Mitigation, Adaptation
1 PM to 2 PM	Lunch Break	
2 PM to 3 PM	Dr. Sufia Zaman	Climate change and Net Zero Livelihood
3 PM to 4 PM	Dr. Sana Ahmed	Blue carbon – Overview, Estimation, and Challenges
Day-2 : 17 JULY 2025		
11 AM to 12 PM	Dr. Abhijit Mitra	Carbon Credit- An overview and steps to carry forward
12 PM to 1 PM	Dr. Saurav Garai	Carbon Emission and Sequestration Potential in Agriculture
1 PM to 2 PM	Lunch Break	
2 PM to 3 PM	Dr. Sudipta Tripathi	Enhancing Soil Carbon Sequestration
3 PM to 4 PM	Dr P G Dhar Chalrabarti	Emerging Carbon Market in India: Challenges and Opportunities
4 PM to 4:30 PM	Closing Session: certificate distribution and feedback session followed by high tea	

4. Faculty

1. Dr P G Dhar Chakrabarti IAS (ret'd) Professor Emeritus, Environment and Disaster Management, RKMVERI, Narendrapur
2. Dr. Abhijit Mitra, Director Research, Techno India University, West Bengal
3. Dr. Sana Ahmed, Assistant Professor, Techno India University, West Bengal

4. Dr. Sufia Zaman, Head of Department, Oceanography, Techno-India University, Kolkata
5. Dr. Sudipta Tripathi, Assistant Professor and Head, Environment and Disaster Management, RKMVER, Narendrapur
6. Dr. Saurav Garai, Assistant Professor, Agronomy, RKMVERI, Narendrapur

5. Expected Outcomes:

1. Enhanced understanding of the interplay between biodiversity and carbon sequestration.
2. A capacity-building framework for researchers and practitioners in biodiversity-based carbon project development.
3. Networking platform to foster collaborative research and project formulation across academic, corporate, and governmental sectors.
4. A white paper summarizing key insights, challenges, and policy recommendations for integrating biodiversity into carbon markets.

6. Venue:

The venue of the workshop is Seminar Room of IRDM Faculty Centre, Ramakrishna Mission Vivekananda Educational and Research Institute, Narendrapur Campus, Kolkata- 700103. The campus is located on Garia-Baruipur Road, 3 km south of Garia (Kavi Subhash) Metro Station.

7. Registration:

Only registered candidates shall be allowed to attend this training workshop. Registration can be done online through the RKMVERI portal <https://zfrmz.in/O43aCECBhRbPk9ZXOgNK>

Registration fees of Rs. 500 shall be charged for attending the workshop which will be conducted on a hybrid mode. Candidates joining physically shall be required to pay additional Rs. 250 for tea, snacks, and lunch for two days in the canteen of the University.

Accommodation shall be provided on request to outstation candidates at Narendrapur Ramakrishna Mission Guest House for which an amount of Rs 1000 per night shall be charged for one single bed AC room. The charge shall be inclusive of breakfast and dinner.

All lecture sessions shall be conducted on physical mode. Online participants shall be provided a zoom link for attending the sessions remotely.

8. Resource Materials:

Soft copies of training and reading materials shall be provided to all participants

9. Certificates:

Certificates shall be issued to all participating candidates

10. Further enquiries:

For further details please contact

1. Dr Mahadev Bera, Teaching and Research Assistant, RKMVERI, 6290646050
2. Shri Sujan Mondal, PhD Scholar, RKMVERI, 8910216287
3. Dr. Abhijit Mitra, Techno India University, West Bengal, 9831269550
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