

Experience Workshop on **DECARBONIZATION AND CARBON CREDIT**



The Workshop will be held in Kolkata:

24th FEBRUARY
2024

The Bengal Chamber
premises

🕒 10.00 a.m. to 4.00 p.m.

The Site Visit and
Demonstration will
be held on

26th FEBRUARY
2024

in Gangasagar,
Sundarbans
(day trip)



The programme will feature:

Workshop on Decarbonization and Carbon Market, including :

- **Creating Carbon Sink**
- **Voluntary Carbon Market**
- **Carbon Offset Market**
 - How does it work?
 - What is its impact?
 - How it connects with carbon finance?
- **Being prepared for Carbon Border Adjustment Mechanism (CBAM) for European Union (EU) Market**
- **Low cost technologies for environmental and social benefits**
- **Case Studies**
 - Cook Stove
 - Blue Carbon Project (on Mangrove)

Experience at Gangasagar, Sundarbans will include:

- **Crossing Muriganga River**
- **Visit to the Live Site of Carbon Sink**
- **Demonstration of the Blue Carbon Credit Project at the site**
- **Demonstration on Cook Stove for local community engagement**
- **Local Community Engagement**
- **Interacting with Overseas Delegates**
- **Participating in Community Lunch**

BCC&I with Meensou India and Ecoact, has commenced a major Blue Carbon Credit project in the Sunderbans Island. The project aims to plant 1,40,00,000 mangrove plants in 4000 ha of land which is 3500 plants/ha.

A Delegation from EcoAct, with expertise on cook stove, coming from France, will also be present

Participants would be taken to Gangasagar on 26th February for a day trip:

BCC&I will organize transport from The Chamber premises on 26th February 2024

Reporting at 6.00 a.m.

Departure by bus/car at 6.30 a.m.

Breakfast will be organized by BCC&I on the way

The Chamber's transport will bring the participants back.



The Workshop Facilitators are:



Soumya Darshan Pradhan

Founder, CEO & MD

Ecology, Wildlife, Conservation Biology, Mangrove Conservation, Rural Development and Sustainable Management. He has 10 years' research experience in ecology, wildlife and conservation biology and in developing sustainable rural projects with an ecological approach.

His primary focus is to design carbon offset projects in combining economic growth with equitable wealth distribution and environmental protection.



Mr. Vinay Singh

Lead Auditor

Comes with 20 years of work experience in the field of renewable energy (Wind, Hydro, Solar, Landfill and Bio CNG), natural resource management and climate change, out of which 12 years as a Validator, Verifier, Technical Reviewer, Technical Expert in Climate Change and Sustainability including CDM/GS/VCS.

He is a Lead Auditor for several management system standards including ISO 9001, ISO 14001 & 14064 and audited more than 300 CDM/VCS projects and around 100 projects are registered by him as an auditor.

Co-Author of International Research Paper "CO2 Emission Structure of India Economy". Empanelled as CDM Lead Auditor to Indian Council of Forestry Research & Education (ICFRE) Dehradun in accreditation process under UNFCCC. Worked in Kenya, Uganda, Sri Lanka, Europe and SE Asian countries.



Ms Amie Nevin

Carbon Project Development Manager (Community-based), EcoAct

Using the mechanism of carbon finance for sustainable development and effective climate change mitigation. Passionate about high-impact projects, maximising contributions to the UN's SDGs, delivering co-benefits to marginalised communities. Over five years experience implementing successful community-based Gold Standard carbon projects globally, now managing a portfolio of community-based projects and continuously looking for growth and progression. Expertise in community water and improved cook stoves.



Mr. Ashok Zutshi

Advisor and Board Member

Comes with 35 + Years of experience in Agri-input (Fertilizer, Pesticides Etc) Poultry, Rural communication and promotion, Agri commodity warehousing and Warehouse receipt funding and FMCG-Food with hands on experience from startups to business responsibilities in some of the reputed industrial houses with exposure to Indian and African Market.

For last 5 years shifted focus to Social sector to develop the clean access energy programs with special focus on Carbon Mitigation projects in the area of bio digesters/ Mangrove forest, Cook stove, organic agriculture etc and also Market Linkage of Agri commodities.

Participation fee is
Rs 18000 + GST

BANK DETAILS

Beneficiary Name: The Bengal Chamber of Commerce and Industry
Bank Name: Canara Bank
Bank Account Number: 95001010000017
(Current)
IFSC Code: CNRB0019500
BCC&I Address: Royal Exchange, 6 Netaji Subhas Road, Kolkata 700001, West Bengal
Kolkata

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To Register

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For more information,
get in touch with

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Programme Flow:

01. What are we (Meensou India) doing

- Ongoing Projects
 - **Mangrove restoration and plantation**
 - **Silvo-fishery Project**
 - **Cookstove Project**
- Proposed Projects
 - **Biomass project involving Water Hyacinth and agri-waste**
 - **Plastic Credit Project**
- Associated Business
 - **Market Linkage**

02. Carbon Financing

- Carbon Credit/Emission Reduction Certificates
- Voluntary Carbon Market
 - **How does it work**
 - **Impact on Society**

03. Carbon financing status in India and its scope on Indian Industries

- **Challenges in the current scenario**
- **European Union's BCAM**
- **It's Impact of Indian Industries**
- **Role of voluntary carbon market in Mitigating the impact of EU's BCAM**

04. Decarbonization from EU prospective with special reference to Cookstove and Water projects

05. Third Party Auditing

- **Technicalities of Carbon Projects**
- **Auditing**
- **Third Party Assurance**

06. Need of carbon exchange in India





✔ What is the Carbon Credit Market and its Future ?

Carbon credits are a market-based instrument that allow organizations to address their greenhouse gas emissions. Companies can use carbon credits to account for emissions they have yet to reduce. Carbon credits can help accelerate the goals of decarbonization and nature loss prevention. Companies that use carbon credits are decarbonizing at twice the rate of those that do not.

A carbon market is a specialized type of financial market, through which carbon credits can be bought and sold. Carbon credits are essentially an allowance based on which the purchaser may compensate for the emission to a certain amount of carbon dioxide or other greenhouse gas. Some carbon markets are run and regulated by governments or international bodies, with certain industries required to participate, while others are entirely voluntary.

✔ Carbon Border Adjustment Mechanism (CBAM)

The European Union's introduction of the Carbon Border Adjustment Mechanism (CBAM) is a pivotal development. The implementation of CBAM is expected to commence in order to align cost of imports with the price on carbon emissions in EU. Businesses would need to procure CBAM certificates to offset carbon emission certificates of imported products. Understanding the impact of CBAM on Indian industries is imperative, as it represents a shift towards integrating environmental considerations in industrial practices to participate in global trade especially with EU, in this context. The role of voluntary carbon markets become significant here as it is the potential tool in helping Indian industries navigate the challenges posed by this new mechanism.

Set to phase in from 2023, CBAM will initially target sectors with high carbon emissions, such as electricity, iron, steel, cement, fertilisers, and aluminium. With a transitional phase until 2026, where importers will report emissions without financial charge, CBAM is slated for full implementation post-2026, reflecting the EU's commitment to the Paris Agreement and its ambition for carbon neutrality by 2050.

Indian exporters may face increased costs and administrative burdens, potentially leading to a temporary decline in trade volumes with the EU. However, in the long term, CBAM could catalyse Indian industries to adopt greener technologies and production methods.

✔ There are two types of carbon markets:

01

Compliance market – This market is typically regulated by national or international regimes, such as the Kyoto Protocol or the EU Emissions Trading Scheme (ETS).

02

Voluntary carbon markets – Companies that engage in the voluntary carbon market are reducing their own emissions more.

According to Morgan Stanley, the voluntary carbon-offsets market is expected to grow from around \$2 billion in 2022 to about \$100 billion in 2030 and around \$250 billion by 2050. In this workshop we will focus more on the voluntary carbon markets.

The voluntary carbon market emerges as a strategic tool for Indian industries in mitigating the impacts of CBAM offering a flexible way to offset emissions and improve competitiveness especially in the EU market.



✔ What is Blue Carbon?

Blue carbon is the carbon stored in coastal and marine ecosystems.

✔ What is the significance of Blue Carbon?

Coastal ecosystems such as mangroves, tidal marshes and seagrass meadows sequester and store more carbon per unit area than terrestrial forests and are now being recognised for their role in mitigating climate change.