

Concept Note

Training Programme on Understanding Agriculture-Based Carbon Projects: Concepts, Practices, and Opportunities

Date: 29 June–1 July 2026

Venue: The Lalit Ashok, Bengaluru

India has set ambitious climate goals, including achieving net-zero emissions, reducing agricultural greenhouse gas (GHG) emissions, and establishing a national carbon market. In an agricultural context, carbon markets are an important mechanism for incentivising climate action and supporting low-emission development pathways by promoting climate-smart agriculture (CSA) practices and enabling farmers to benefit from carbon finance. The Center for Study of Science, Technology and Policy (CSTEP), in collaboration with the Climate Resilience Cell (CRC) of the Department of Agriculture and Farmers' Empowerment (DA&FE), Government of Odisha, and supported by the Gates Foundation, has undertaken a project titled 'Promoting Climate-Smart Agriculture for a Resilient Odisha.' The project aims to enhance climate resilience in Odisha's agriculture and allied sector by promoting CSA practices through strengthened policy frameworks, institutional capacity building to address climate risks, improved farm productivity, reduced GHG emissions, better resource-use efficiency, and the securement of farmers' livelihoods. In continuation with capacity building and training programmes conducted in 2025 for DA&FE Officials under the project, CSTEP is conducting a three-day training programme on 'Understanding Agriculture-Based Carbon Projects: Concepts, Practices, and Opportunities' for select officials.

The programme will combine technical sessions and field visits. The sessions include those on conceptual understanding of carbon markets, GHG emissions accounting, carbon credits, and successful agricultural carbon projects. In addition, the training will focus on steps to developing and implementing agriculture-based carbon projects, including baseline assessments and the preparation of a project design document. This will be followed by a field visit to a carbon project site at



Bagepalli, Karnataka, where participants will interact with practitioners and farmers involved in carbon-led initiatives such as agroforestry, biogas production, and the use of improved wood stoves, gaining an understanding of field-level implementation, monitoring, and institutional mechanisms.

By the end of the programme, participants are expected to have a clear understanding of carbon markets and the practical knowledge needed to develop, implement, and monitor agriculture-based carbon projects in India.

