

# GeoAI Blue Carbon: Mapping and monitoring Tamil Nadu's Coastal Treasures

Leveraging Drone Imagery and GeoAI for  
Swift and Precise Blue Carbon Quantification

Traditional assessments of blue carbon in coastal ecosystems are both resource-intensive and time-consuming, and the challenging nature of the landscape often makes access difficult. This project aims to transform the measurement of carbon sequestration in mangroves, seagrasses, and salt marshes along Tamil Nadu coast by leveraging advanced GeoAI technologies.



# Project Highlights



Drone-Based Imaging



GeoAI Analytics



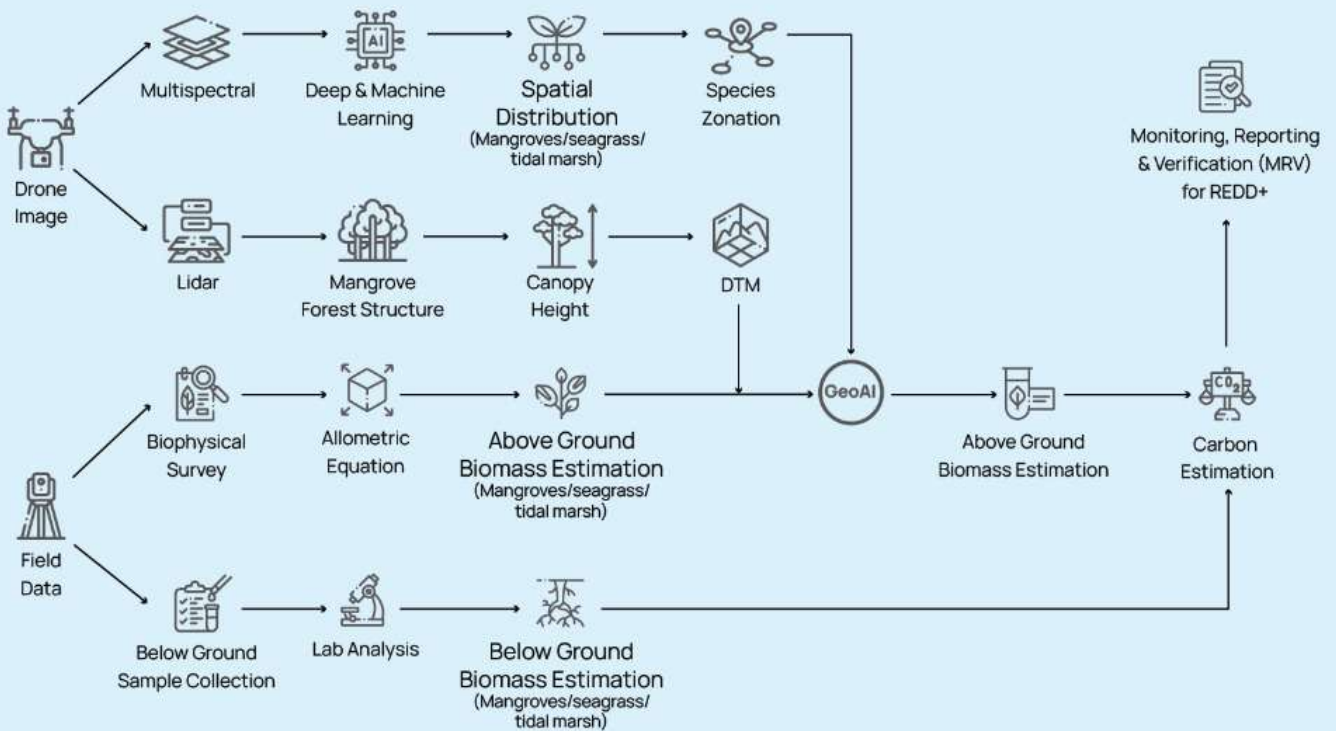
Estimation of blue carbon



Accurate data  
Policy decision and better conservation and management

## Why It Matters:

- Provides detailed, accurate data to inform policy decisions and conservation strategies to better manage the ecosystems
- Helps achieve global climate goals and refine carbon budgets for a sustainable future



Join us in this innovative journey to safeguard Tamil Nadu's coastal treasures and combat climate change. Together, we can make a difference

