



Carbon and Nature-Based Solutions

Earth Systems has developed extensive carbon project development expertise since 2006 with highly skilled people and networks across Asia and Africa. This makes it possible for us to design and develop high-quality Nature-based Solution (NbS) projects including Afforestation, Reforestation and Revegetation (ARR), Agroforestry and REDD+ under international carbon schemes.

Developing a carbon project that creates high-integrity credits under various carbon schemes and negotiating complex approvals processes can be challenging. Earth Systems has the expertise to help identify, design and guide projects through the carbon development cycle, allowing projects to benefit from a secured stream of carbon income whilst creating sustainable livelihoods, restoring degraded land and enhancing biodiversity.

SERVICES PROVIDED

Key services include:

- Identifying suitable project types, land and technology for carbon project development.
- Planning and designing nature-based carbon including REDD+ projects.
- Meeting early consideration, leakage and additionality requirements.
- Producing high-quality project documentation for auditing and verification.
- Up-to-date technology utilisation for mapping, tracking and calculating carbon drawdown credits.
- Estimating carbon credit returns for business cases.
- Facilitating early-stage investments for suitable projects.
- Project management and guidance during carbon project development stages including validation, registration, monitoring and issuance of carbon credits.
- Liaising with government agencies and other relevant parties for approvals.
- Working with a diverse range of stakeholders to reach carbon rights agreements and conduct FPIC activities.
- Scientific, social and livelihood reporting including for Climate Community and Biodiversity (CCB) Standard and High Conservation Value (HCV) assessments.

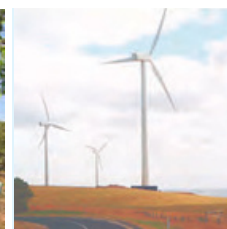
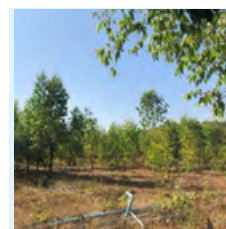
EXPERIENCE AND EXPERTISE

Earth Systems provides services through our international offices in Australia, Laos, Vietnam, China, Senegal, Rwanda and the United Kingdom. We also provide additional environmental and social impact assessment services to ensure carbon projects are in line with international and national standards.



PROJECT EXPERIENCE INCLUDES

- Project design, development and implementation of ARR project in tea plantations, including carbon credit business case structuring, Sri Lanka.
- Technical feasibility and project preparation, Mount Kenya REDD+ Project, Kenya.
- Technical assistance for Agroforestry REDD+ projects under Verified Carbon Standard (VCS) and CCB certification, Lao PDR.
- Clean Development Mechanism (CDM) project registration and carbon purchase agreement for Xeset 2 Hydropower Project, Lao PDR.
- CDM Project Registration for Oil Search Carbon Project, Papua New Guinea.
- VCS methodology and carbon market opportunity evaluation for an Oil & Gas client, Rwanda.
- Rice husk biomass carbon project validation under CDM, Sri Lanka.
- Small-scale wind project validation under CDM, Sri Lanka.
- Strengthening carbon project approval processes within government departments in Lao PDR, Sri Lanka and Fiji.
- Liaising and finalising purchase agreements with international buyers since 2008.



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