Symmetry

CARBON FINANCING FOR REGENERATIVE AGRICULTURAL PRACTICES

Client: AMRU Rice

Sectors: Climate, Agriculture

Service: Carbon Markets

Acknowledging the transformative potential of regenerative agriculture (RA) practices, AMRU seeks to integrate these practices into its supply chain, enhancing yields, and delivering positive impacts on farmers'. The RA activities encompass a range of sustainable practices, including low/no-tillage, utilization of organic fertilizers, composting, vermiculture techniques, biochar application, and the adoption of cover crops. These practices collectively contribute to enhanced soil organic carbon.

Carbon Feasibility Study

Symmetry conducted a thorough evaluation of the RA model against prominent carbon standards and accounting methodologies, such as VM0042, CDM-AMS-III.AU, and the new VERRA rice methodology. The assessment focused on the methodology's applicability to the proposed RA rice farming project activities, determining the project boundary, and comparing the baseline of conventional agriculture with project-related carbon stocks. The study assessed additionality, risk assessment, basic financial evaluation, non-carbon benefits, and safeguard risks.

The study considered the emission reduction potential of proposed project activities, providing a detailed assessment of carbon credits, including associated processes and methodologies. This ensures a thorough understanding of the project's environmental impact and its eligibility for carbon standards and markets, contributing to a more robust and sustainable business model for AMRU's RA initiative.

As part of the feasibility study, the team also examined the potential benefit distribution structure among stakeholders, evaluated the regulatory feasibility of the project, and explored opportunities for integrating digital technology, artificial intelligence, and blockchain.