2024

Edition #09

ENHANCING CARBON PROGRAMS

Emission to Retention..!!

CROP INTELLIX 5M APPROACH TO CARBON PROGRAMS

CARBON PROGRAMS

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Carbon programs are essential initiatives designed to mitigate greenhouse gas emissions and promote climate action. These programs, which can be either voluntary or compliance-based, play a key role for individuals, businesses, and governments in addressing climate challenges.

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Carbon crediting programs, in particular, are built around three primary functions: (i) Setting and approving standards for the quality of carbon credits. (ii) Reviewing projects against these standards, often with third-party verification. (iii)Managing registry systems that issue, transfer, and retire carbon credits.

CARBON CREDITING

THE 5M APPROACH BY CROP INTELLIX

5 AWESOME STEPS

CHALLENGES

Despite their importance, carbon programs often face challenges due to data accuracy and transparency issues, which can hinder project progress. Nature-based offset projects, such as those focused on sustainable agriculture or forest restoration, are particularly affected by the lack of reliable data, which is crucial for informed decision-making and program success. The introduction of digital tools and technology into voluntary carbon markets is helping overcome these challenges, bringing greater accuracy, transparency, and timely data availability.

MAKING DATA DIGITAL

dMRV tools to Monitor, Review and Verify Agriculture Carbon Emission Program activites live..!!

SOLUTION

CROP INTELLIX PRIVATE LIMITED has developed a comprehensive solution to the data challenges in carbon programs through its "5M" approach: Measure, Map, Monitor, Manage, and Monetize. This approach leverages advanced digital tools to enhance data collection, processing, and utilization, making it easier for project developers and verifiers to manage and audit carbon programs.

OUR 5M APPROACH

5 AWESOME STEPS

>>> Measure

The Carbon Intellix mobile app is designed for efficient carbon data collection, essential for carbon accounting. Key features include geo-fencing of field boundaries, geo-tagging of field photographs, and the creation of databases that record information about crops, farmers, and farms.

>>> Map

CROP INTELLIX utilizes cutting-edge technologies like remote sensing (RS), geographic information systems (GIS), and machine learning (ML) to map crop data and carbon activities in real-time using satellite and drone imagery, as well as IoT data.

>>> Monitor

The Insure Intellix application offers real-time crop monitoring and assessment through cloud-based analytics using satellite imagery. It supports various indices like NDVI, SAVI, EVI, and others, while allowing users to create custom index formulas for deeper analysis.

>>> Manage

The CROP INTELLIX AND CARBON INTELLIX DASHBOARD syncs with the Survey Intellix app, providing an overview of collected data. This dashboard is invaluable for project developers, enabling them to rectify and manage data, as well as for third-party verifiers conducting audits and generating reports for carbon credit issuers.

>>> Monetize

By streamlining data collection and verification processes, CROP INTELLIX solutions help reduce the cost and time required for field operations. This in turn accelerates the ability to monetize projects, allowing farmers to earn additional income from carbon credits through the adoption of sustainable agricultural practices.

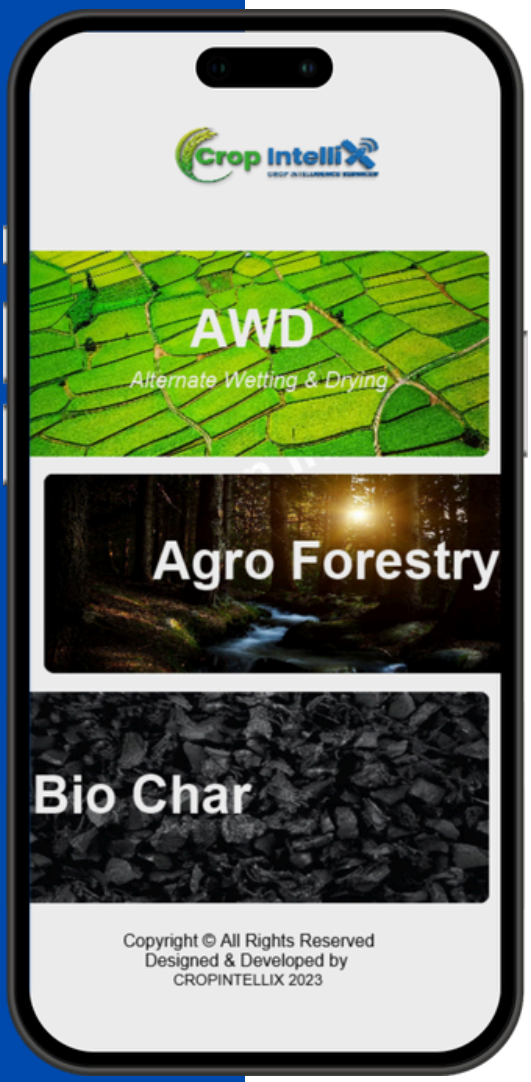
EXPERT ADVICE

Over the past few years, CROP INTELLIX has partnered with project developers, working with data from over 500,000 farmers across five states in India. The company has also conducted crop mapping projects using satellite imagery in Africa and Southeast Asia.

For more information or to learn how CROP INTELLIX can support your carbon program, reach out to us at sales@cropintellix.com.

Crop Intelli X
CROP INTELLIGENCE SERVICES

OUR APPLICATIONS



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