

# High-Integrity Solutions for the Bioeconomy

## FCarbon Strategic Partnership Proposal

### 1. Intelligent Agroforestry System (SAFI)

Scaling Prosperity in the Amazon.

Our goal is to accelerate the adoption of Agroforestry Systems (AFS) as a primary driver of economic prosperity for Amazonian communities. Our platform automates the planning and monitoring of AFS, but its true potential is unlocked through partnership. We propose integrating our technology into extension programs to serve riverine communities, settlements, quilombolas, and Indigenous territories:

- **Digital Design Tool:** Optimize AFS layouts to maximize both food security and financial profitability.
- **Digital Technical Assistance (ATER):** Enhance field practices by scaling expert knowledge through our digital platform.
- **Payment for Ecosystem Services (PES):** Using our Digital Green CPR (Rural Product Note), we create a financial instrument to pay producers for generated ecosystem services, such as CO<sub>2</sub> removal, validated by our High-Integrity MRV+.



13 CLIMATE ACTION



2 ZERO HUNGER



1 NO POVERTY



15 LIFE ON LAND



17 PARTNERSHIPS FOR THE GOALS



4 QUALITY EDUCATION



10 REDUCED INEQUALITIES



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



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## Our Digital Services for the Bioeconomy

### Intelligent Agroforestry System (SAFI)



- Simulation & Optimization of AFS
- Financial Viability Analysis (ROI)
- Intelligent System Design
- Continuous AI Monitoring
- Data Generation for PES

SAFI is the operating system for the future of agroforestry. Our AI platform designs and simulates the ideal system for each property, maximizing ROI and carbon sequestration. Beyond monitoring, we generate the audit-proof data that allows small and medium producers to access Payment for Ecosystem Services (PES), democratizing the carbon economy.



### Intelligent Forest Restoration System (SRFI)



- Restoration Value Chain Mapping
- Integration of Nurseries & Labor
- Project Management & Monitoring
- Biomass Growth Analysis
- Partner Management Platform

Our Intelligent Restoration platform tackles inefficiency and uncertainty in large-scale ecosystem recovery. Using AI and satellite data, we monitor biomass growth and carbon sequestration in real-time, providing investors with undeniable proof of performance. We act as a digital hub integrating the entire chain—from nurseries to field experts.



### High-Integrity MRV+



- Data Fusion (Satellite, LiDAR, eDNA)
- AI Carbon Predictive Models
- Biodiversity Health Index (BHI)
- Risk Analysis (Permanence & Leakage)
- Auditable Reports

MRV+ is our antidote to greenwashing in the carbon market. The "+" means we go beyond carbon, using our Biodiversity Health Index (BHI) to transform nature's co-benefits into a measurable asset. "High-Integrity" is guaranteed by our data fusion, calibrating satellite information with high-tech field validation like LiDAR and eDNA.

