



ASIA AND THE PACIFIC **FOOD SECURITY FORUM**

**Enabling Carbon Farming at scale for farmers and pastoralist across the
Global South**



Unlocking Carbon Removal at Scale

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Climate change is a gigaton scale problem

According to the IPCC, there is a very narrow pathway to limit global warming to 1.5 degrees C by 2100

**40+
Gigatons**

CO₂ emitted by
humanity annually

**75B
tonnes**

of soil are eroded each
year

Smallholder farmers around the world are struggling to provide for their families



THE PROBLEM

1 Farm Size and Small holder farmers

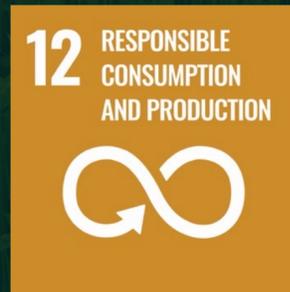
2 Transparency of Information & MRV is a challenge

3 Measuring Soil Organic Carbon is expensive and time consuming

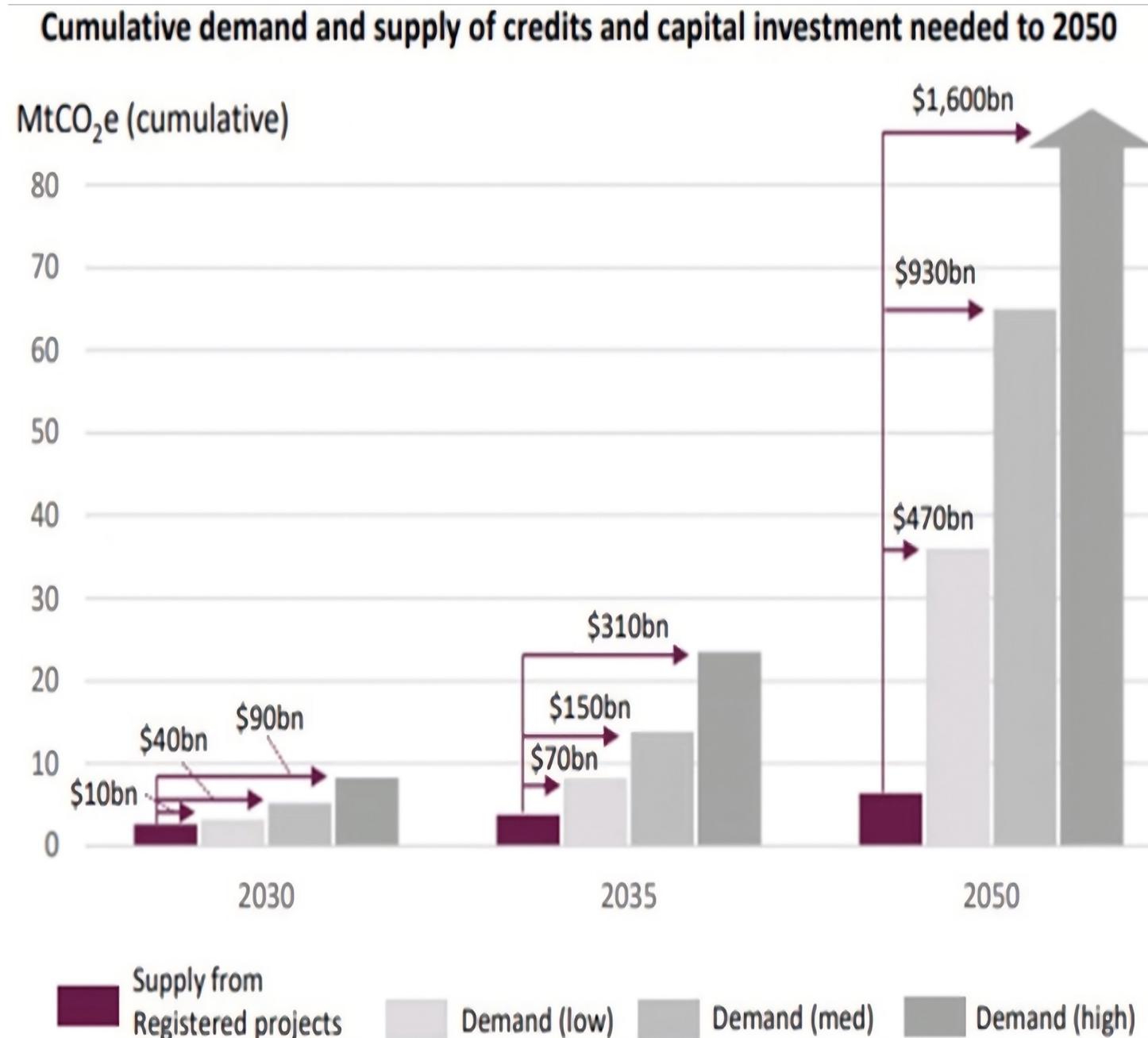


Our mission

To restore global soils and accelerate carbon removal on a planetary scale by empowering farmers and landowners



Meeting 1.5-Degree Goals: A \$90 Billion Opportunity by 2030



- According to Trove Research*, an additional \$90 billion in capital is required by 2030 to meet the carbon credit demand for a 1.5-degree scenario. Enabling the participation of farmers and pastoralists in this market through digital Monitoring, Reporting, and Verification (d-MRV) can facilitate large-scale climate adaptation with multiple benefits, including enhanced food security and livelihoods
- It's worth noting that soils, which serve as the world's second-largest carbon sink, have lost over 133 billion tonnes of carbon over time**
- To unlock this financial opportunity and achieve gigatonne-level carbon removal, the utilization of soil carbon credits within Compliance Carbon Markets, Article 6, and The Voluntary Carbon Market is essential

*<https://trove-research.com/report/global-carbon-credit-investment-report/>

** <https://www.globalagriculture.org/whats-new/news/en/32738.html>



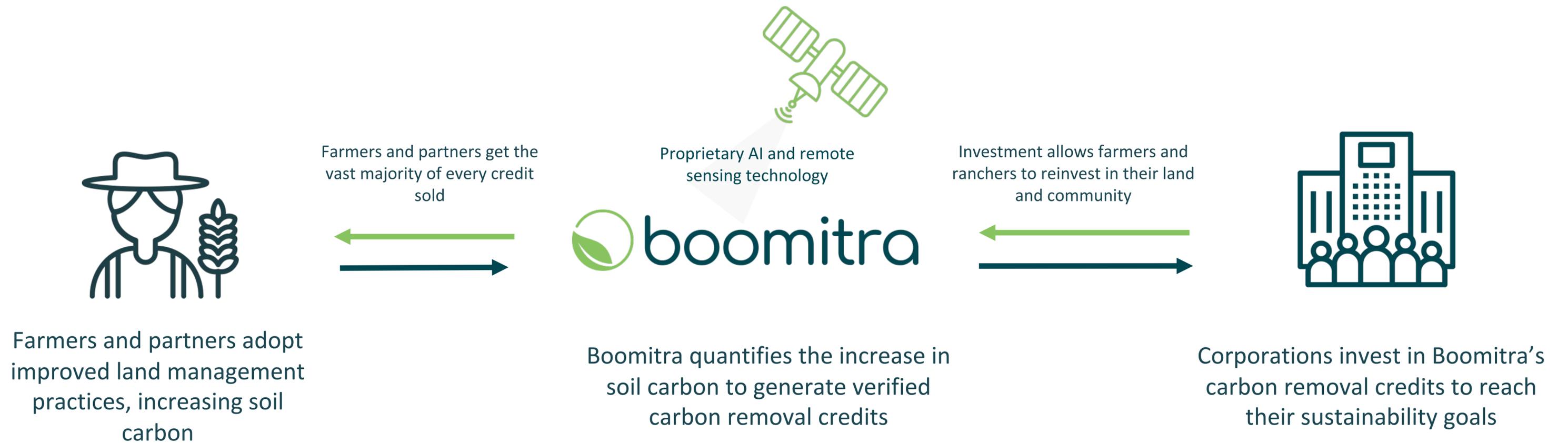
Meet Rose Meja

Previously, 1 acre land produced 8.9kg bags of yields

With improved practices, harvest has increased to 18kg bags



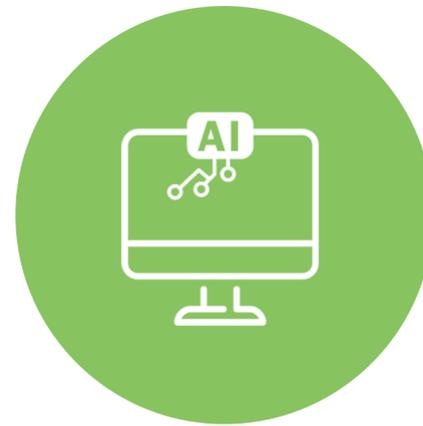
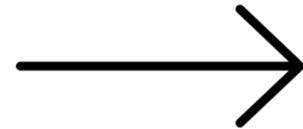
Our Business Model



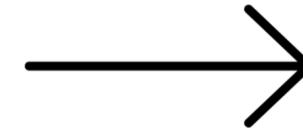
Our technology ensures additionality and permanence



100+ Multispectral satellites combined with ground truth data



Proprietary AI and deep learning predictions



Remote measurement of soil organic carbon, moisture, and nutrients

90% reduction in soil carbon measurement costs



Boomitra's Global Supply Network



5M+ Acres



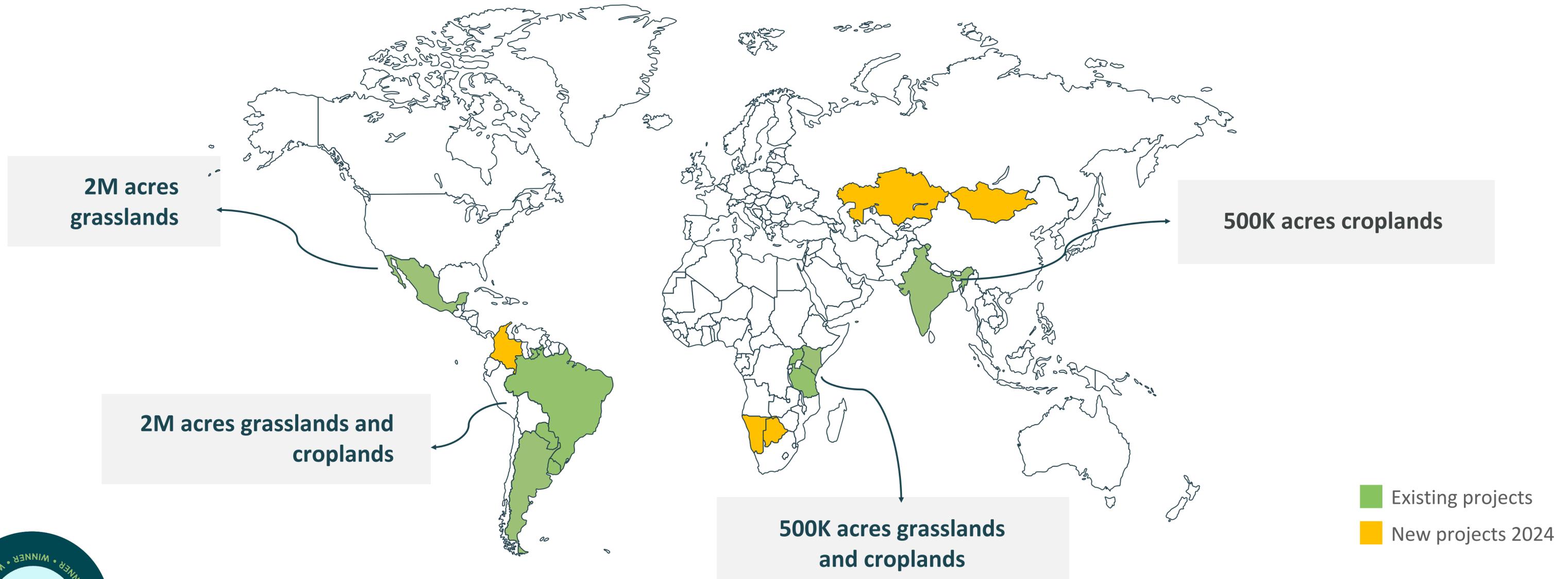
150k+ Farmers



4 Continents



10M+ Removal Credits



We are supported by great ground partners



Unlocking Public and Private Finance for the Poor



+75 more NGOs, companies, governmental and intergovernmental organizations



GMV Projections



Short-term signed sales contracts to date



Forecast by Q4 2024



Target by 2030



Accolades

TOP 7 innovators to win the NatureTech Challenge, an initiative of UpLink - World Economic Forum

Finalist for the United Nations FAO World Food Forum Startup Innovation Awards

Among top 45 startups selected for Foodbytes! by Rabobank 2022, under the theme “New Modes of Production”

Part of the 2021 Agritech Cohort by UN Capital Development Fund, NITI Aayog, Atal Innovation Mission

Recognized among the Top Emerging Startups by TGS100, at the 2022 TiE Global Summit in Hyderabad, India

Won a grant amount by United Nations - World Food Programme (WFP) Innovation Accelerator, for building smallholder farmer resilience in East Africa

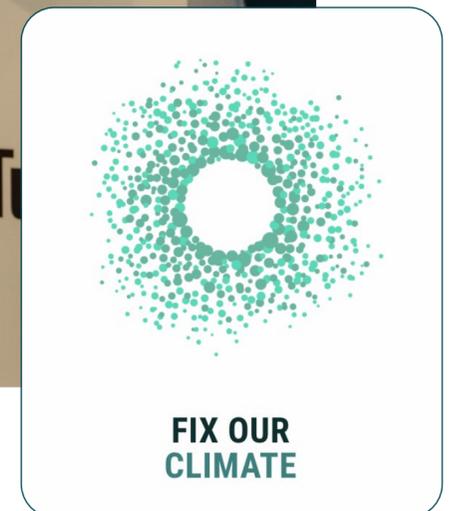


Earthshot Prize Winner

FIX OUR CLIMATE CATEGORY

Rigorous Diligence

- Founded by Prince William
- Nominated by 3 organizations
- 1,300 nominees
- 10-month selection process
- 59 experts
- 3 site visits by Deloitte



Our Ask



01

Connection

to potential partners, farmers, and landowners who may be interested in participating in our projects.



02

Guidance

from industry experts who can help us scale our projects.



03

Network Building

share our solution among corporate networks.



Summary

Problems	1. The Climate Crisis	2. Global Food Security	3. Ecosystem Degradation		
Solutions	1. Improved Land Management Practices	2. Remote Sensing and AI Technology	3. Carbon Finance and Agricultural Insights		
Traction	5M+ Acres	150k+ Farmers	4 Continents	10M+ Carbon Removal Credits	100+ Partners
Impact	Unlocking Carbon Removal at a Gigaton Scale	Building Resilient Ecosystems	Empowering Global Land Stewards with Carbon Finance		
Partners					



Thank You.

Unlocking Carbon Removal at Scale



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