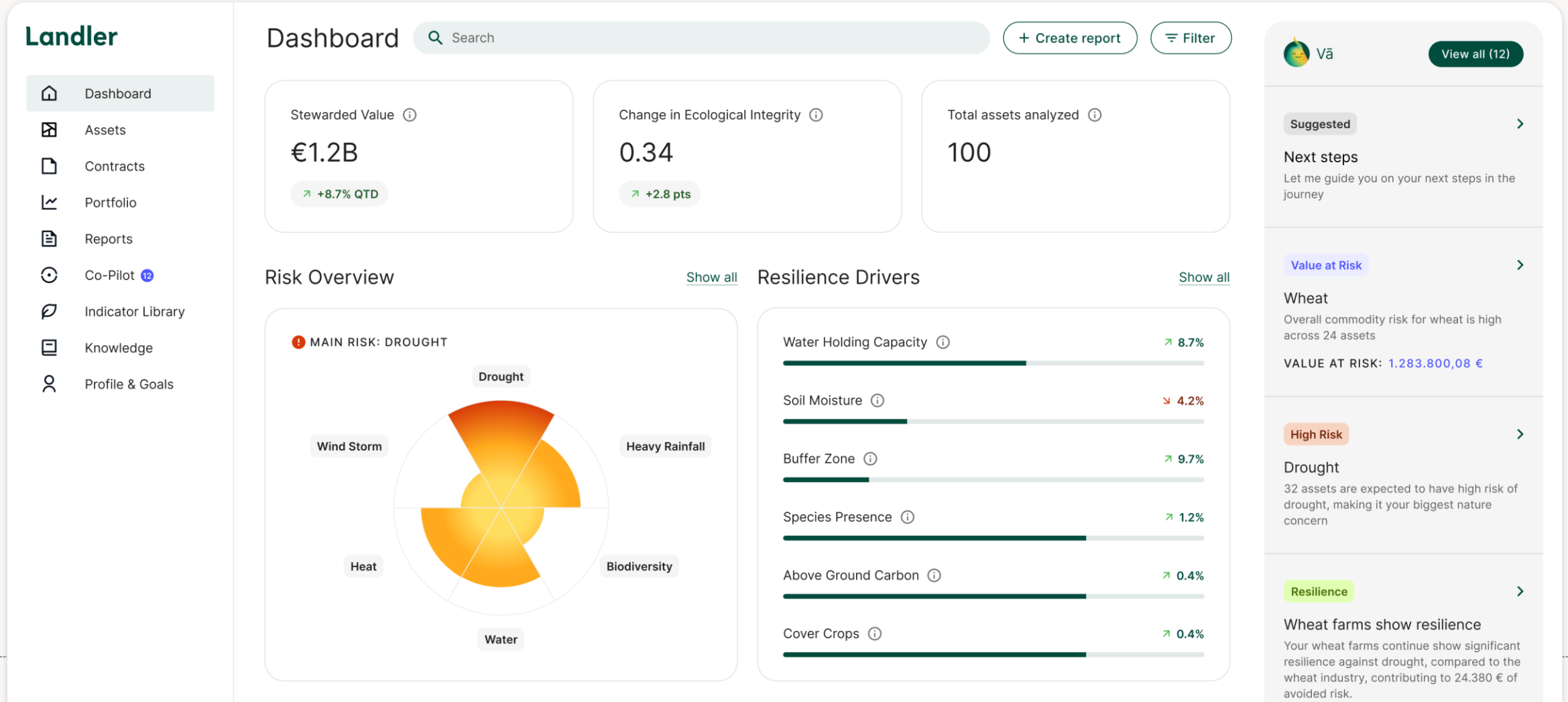
TLG – Pro-Planteurs meeting

THE LANDBANKING GROUP

PRO-PLANTEURS
Professionnalisation des Producteurs & leurs Organisations pour une Cacaoculture durable

02 December 2025

Landler: The end-to-end platform to manage natural capital at any scale



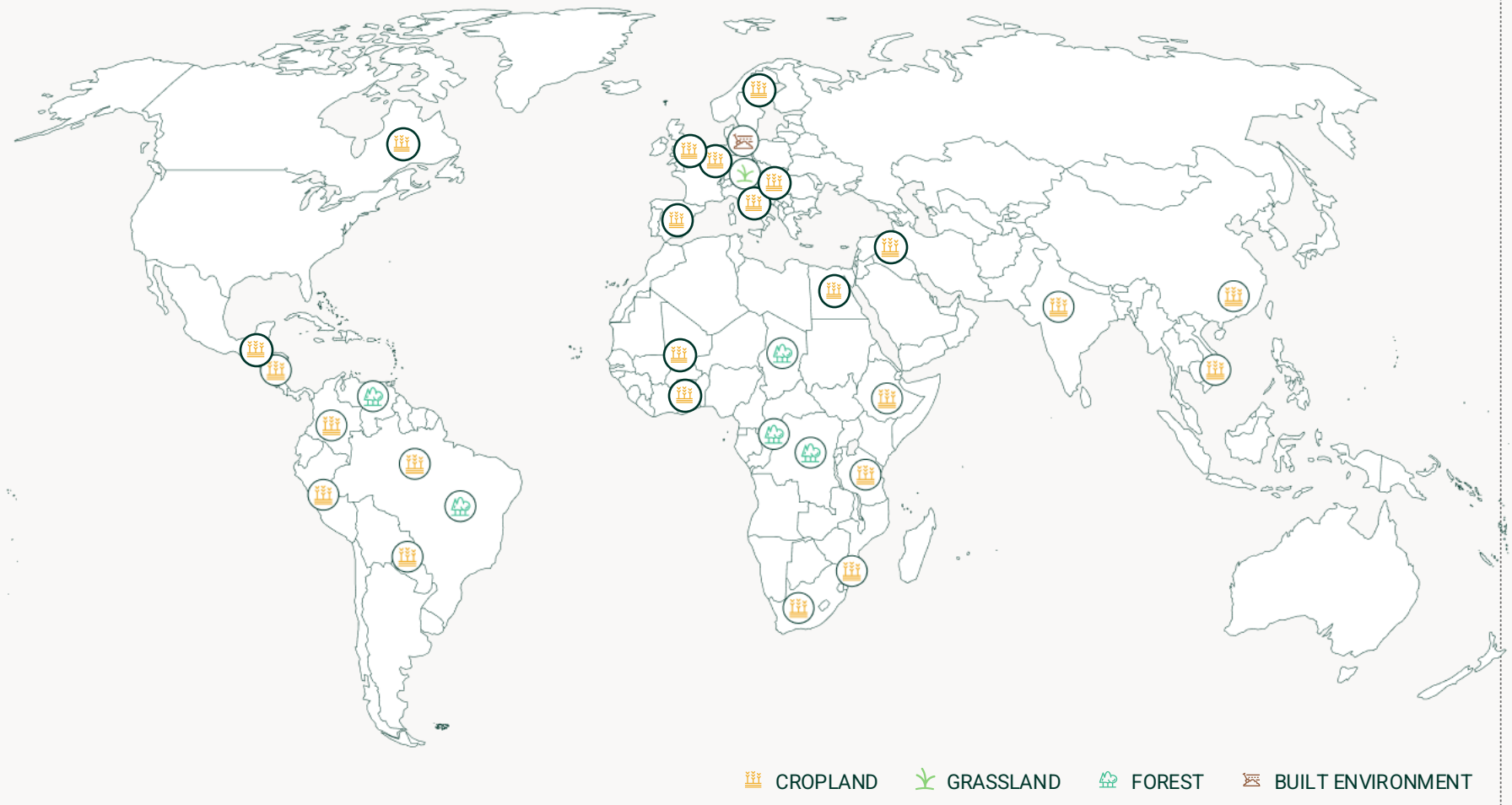
Leading companies have started their nature-positive journey with Landler

Since launching in august 2023:

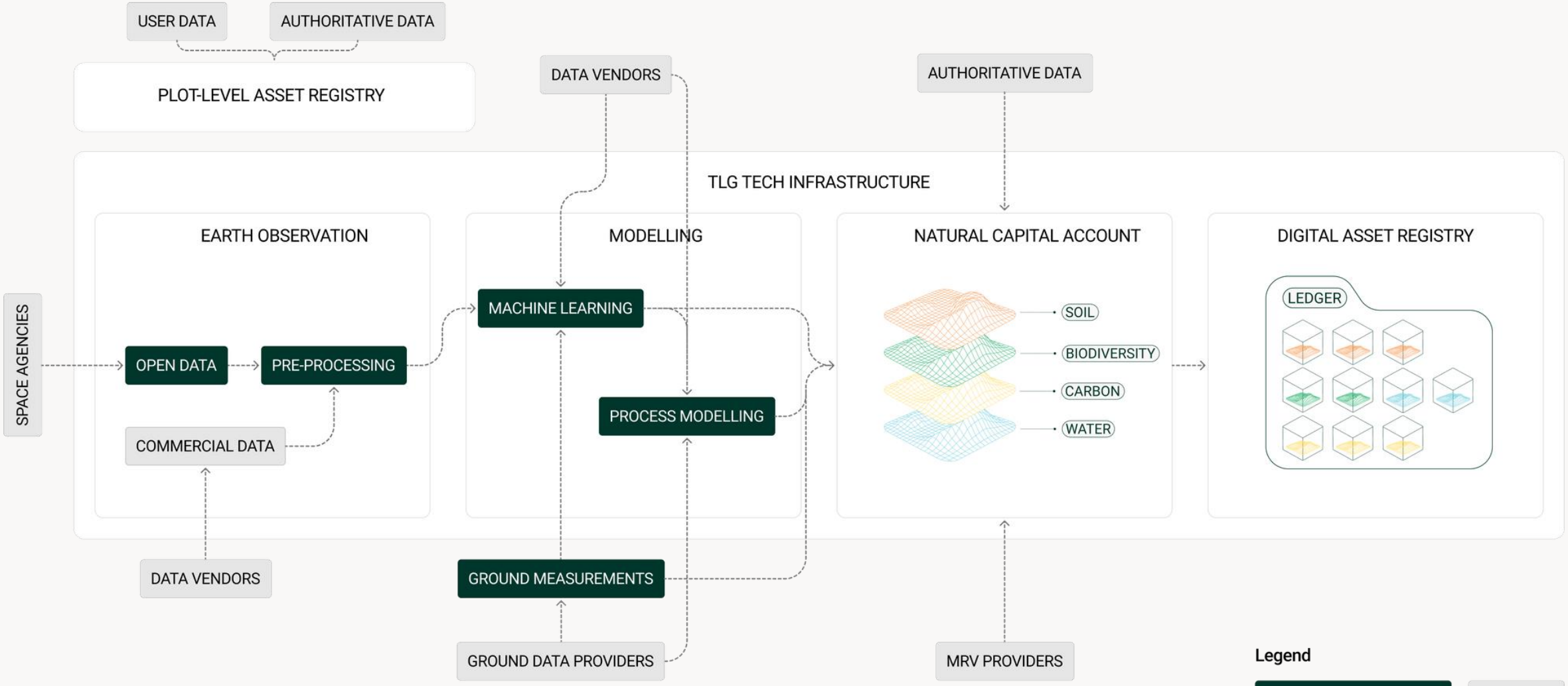
35 customers
Across various industries and geographies, including Fortune 500 companies.

2.4M
Hectares under management

900%
Revenue growth in 2024

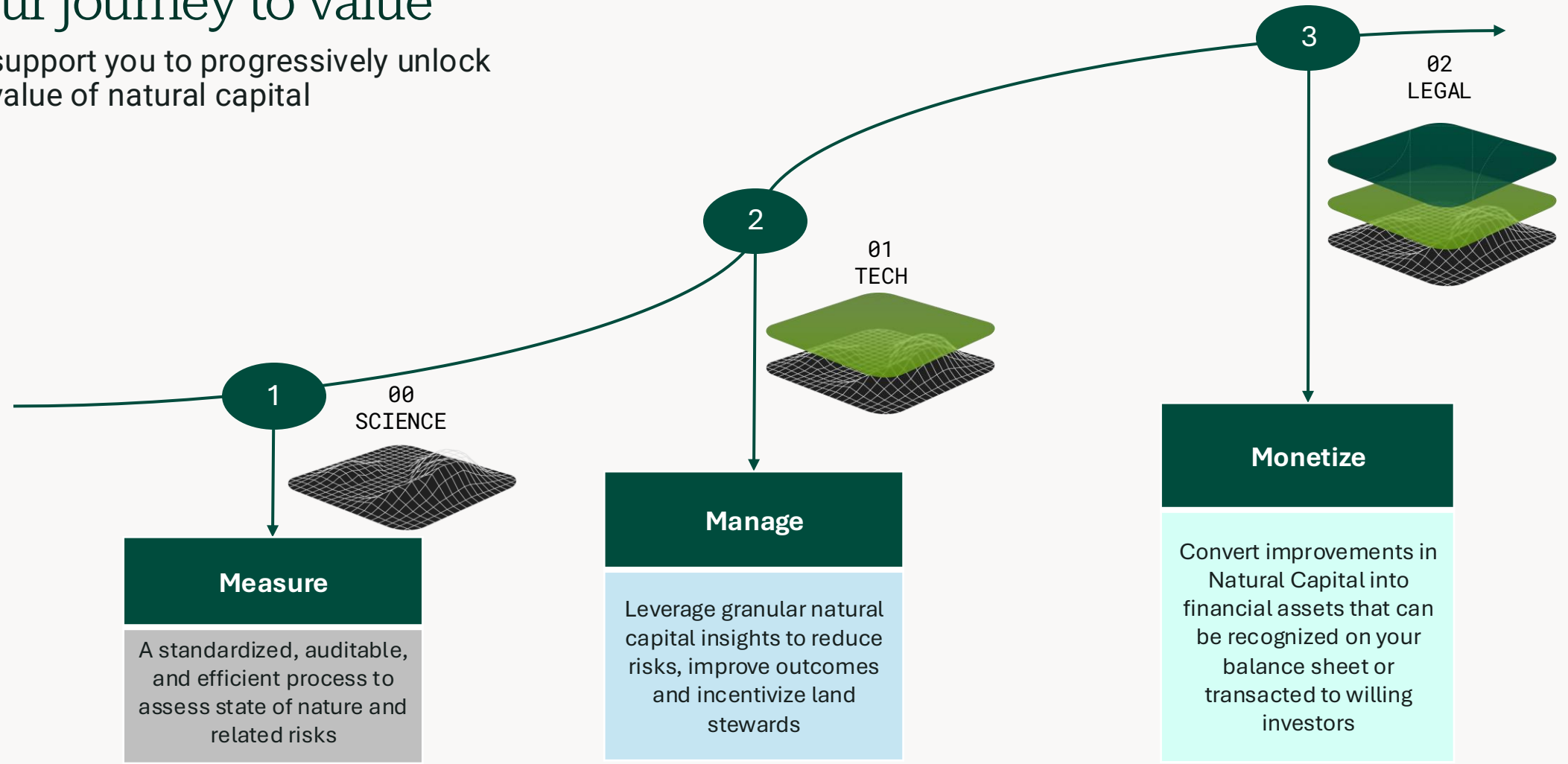


Our data ecosystem



Your journey to value

We support you to progressively unlock the value of natural capital



Measure

A standardized, auditable, and efficient process to assess state of nature and related risks

Manage

Leverage granular natural capital insights to reduce risks, improve outcomes and incentivize land stewards

Monetize

Convert improvements in Natural Capital into financial assets that can be recognized on your balance sheet or transacted to willing investors

Key Benefits

- Understand your nature value chain
- Fulfill reporting commitments
- Substantiate your impact story

- Accelerate the due diligence of new assets
- De-risk and optimize asset operations
- Incentivize land steward based on outcomes

- Generate additional revenue streams
- Realize uplift in asset valuation
- Improve your return on investment

Biodiversity

AVAILABLE NOW

- Ecosystem Integrity Index
- Deforestation
- Species Occurrence
- Threatened Species Presence
- Protected Areas in Vicinity (WDPA)
- Protected Areas in Vicinity (Open Data)
- Natural Habitat
- Vegetation Condition

ON DEMAND

- Canopy Height
- Biodiversity In-situ Pack
- Indicator Species
- Invasive Species
- Tree Loss
- Habitat Intactness
- Landcover / Landuse
- Habitat Connectivity

Carbon

AVAILABLE NOW

- Soil Organic Carbon (Stock)*
- Soil Organic Carbon (Change)*
- Above Ground Carbon (High Resolution)

ON DEMAND

- Carbon In-situ Pack
- Carbon Accounting Integration
- Carbon Flux Estimate (IPCC Tier 1)
- Soil Organic Carbon (AI model)*
- Above Ground Carbon (Low resolution)

Soil

AVAILABLE NOW

- Cover Crops

ON DEMAND

- Soil In-situ Pack
- Soil Biology+ Pack
- Soil Resilience Index
- Soil Physics+ Pack
- Soil Chemistry+ Pack
- Soil Microbes
- Soil Biodiversity
- Topsoil pH
- Crop Suitability
- Soil Properties
- Soil Retention / Erosion

Water

AVAILABLE NOW

- Soil Moisture Dynamics & Trend*
- Precipitation*
- Water Holding Capacity (High Resolution)*

ON DEMAND

- Water In-situ Pack
- Water Resilience Index
- Water Surface Temperature
- Surface Water
- Water Holding Capacity (Low resolution)

Social

AVAILABLE NOW

- Life Expectancy

ON DEMAND

- Social In-situ Pack
- Social Resilience Index
- Governance Pack
- Livelihood Pack
- Health Pack
- Education Pack
- Indigenous Areas
- Population Density
- Amfori Social Risk

Auxiliary

AVAILABLE NOW

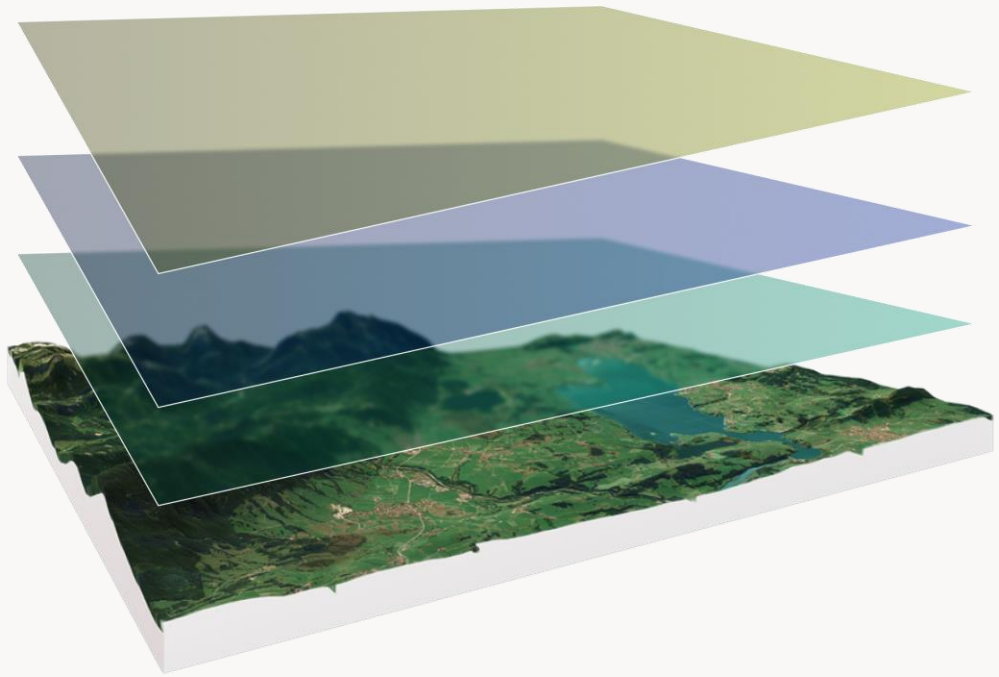
- Climate Risk

ON DEMAND

- Auxiliary In-situ Pack
- Surface Temperature
- Air Temperature
- Cooling and Shade

The Ecological Integrity Index (EII)

A comprehensive, globally applicable metric for ecosystem health. The EII synthesizes three fundamental pillars to provide a holistic view of the state of nature.



Ecological Integrity Index

A score from 0 to 1

Functional Integrity

Ability to perform vital processes like energy capture and nutrient cycling (e.g., Net Primary Productivity).

Structural Integrity

The physical intactness of the ecosystem; habitat size, shape, and connectivity (i.e., minimal human modification).

Compositional Integrity

The diversity and abundance of native species relative to an undisturbed baseline (Biodiversity Intactness Index).

Our outcome-based measurements could be an addition to Pro-Planteurs existing measurements

Pro Planteur III Outputindikator 3.2

Ziel	Outputindikator 3.2	Sources and timing of data collection
The development of socially, economically, and environmentally sustainable supply chains is strengthened by cooperatives and buyers.	Number of measures taken by cooperatives to promote sustainable farming regions Baseline: 0 measures (measures not yet defined) (2024) Target: 6 measures (12/2027)	Evaluation of documents on regional spatial planning and surveyof cooperative and regional administration executives on measures to promote sustainable farming regions and their characteristics. (03/2027). Measures for sustainable farming regions include: **1. Environmentally friendly farming practices (soil fertility, e.g., crop rotation, composting, mulching),** **2. conservation of water resources (e.g., shade trees),** **3. promotion of biodiversity,** 4. avoidance of chemicals, 5. fair working conditions, 6. Support for local communities 7. Implementation of education and training programs **8. Economic resilience** **9. Diversification of income sources** **10. Climate protection and climate adaptation (carbon sequestration, adaptation to climate change)** **11. Preservation of natural forests**

Was bewirken die Messungen?
Quantifizierung der Steigerung der Umweltqualität

Messung von Schattenbäumen und wie sich dadurch Bodenfeucht, Wasserhaltekapazität des Bodens verbessern

Biodiversitätsmonitoring u.a. durch Wildkameras, Bio-Akustik, eDNA-Analysen

Steigerung der wirtschaftlichen Resilienz und Einkommensdiversifizierung durch Zahlungen für Naturkapital Aufbau an Kleinbauern

Kontinuierliche Messung der Kohlenstoffbindung (Oberirdisch und Unterirdisch)

Naturschutz Methodologie der Landbanking Group zur Finanzierung von Naturschutzflächen um deren Erhalt zu finanzieren

Our purpose: We drive prosperity by reversing nature loss

Our mission: The Landbanking Group is set up to transform the value of nature into bankable assets

I: Financially rewarding farmers for improving natural capital

CHALLENGE

SEKEM and the Egyptian Biodynamic Association (EBDA) wanted to help farmers quantify and monetize the environmental benefits of biodynamic and organic farming practices.

SOLUTION

The Landbanking Group assessed the land of seven Egyptian farmers using Landler. It monitored progress over time, allowing improvements to be converted into sellable Natural Capital Units.

RESULTS

The farmers work improved carbon sequestration and water retention, and the NCUs backed by these improvements were sold to Bird & Bird LLP. 80% of the returns went to the farmers, creating a new revenue stream that supports their ongoing efforts to improve the land even more.

SEKEM

EGYPTIAN BIODYNAMIC ASSOCIATION demeter

"It's great to see our land improving. The money helps us keep working on the soil, carbon levels, biodiversity, and water retention. We know it's all making the land stronger for the long run."

EBDA FARMER

Farmer in Fayoum, Egypt

II: Optimizing shade tree planting to prevent coffee rust

CHALLENGE

A leading coffee retailer needed to determine the optimal placement of shade trees across 12,000 hectares of coffee plantations over a five-year horizon. Shade tree planting must be strategically planned to create the right microclimatic conditions that minimize the risk of coffee leaf rust. However, relying on traditional monitoring methods proved too time-consuming to scale.

SOLUTION

The company partnered with TLG to deploy a remote sensing and data analytics solution tracking current shade tree coverage and coffee plant health across their coffee plantations.

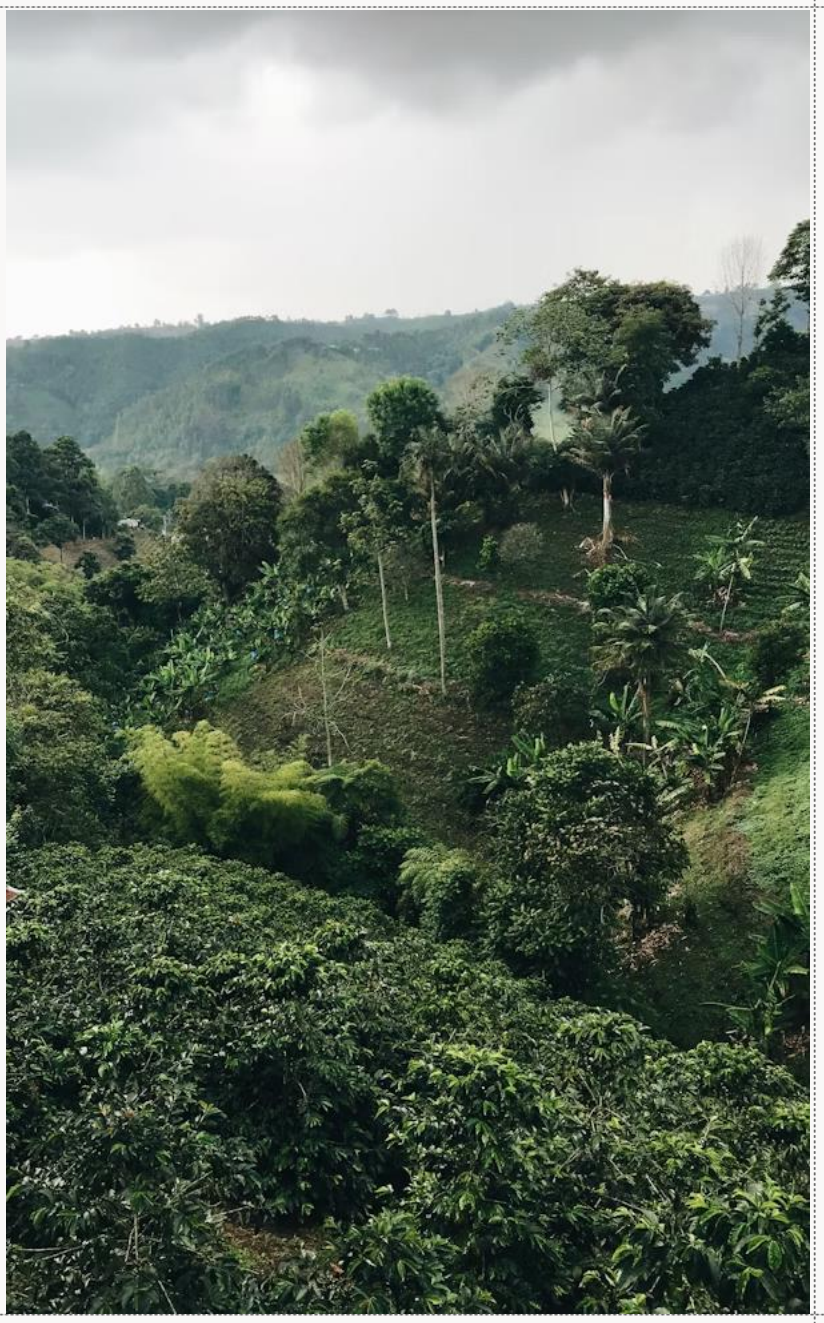
RESULTS

This approach provided a cost-effective alternative to manual field assessments while delivering the precise environmental data needed to plan shade tree planting, ensuring sustainable disease prevention and long-term resilience of their coffee crops.

"Our previous process required three days per farm with eight technicians, drones, and satellite data before manual analysis. At that pace, assessing all 12,000 hectares would have taken us more than five years. With TLG's solution, we can now achieve the same results in a fraction of the time."

CLIENT

Manager



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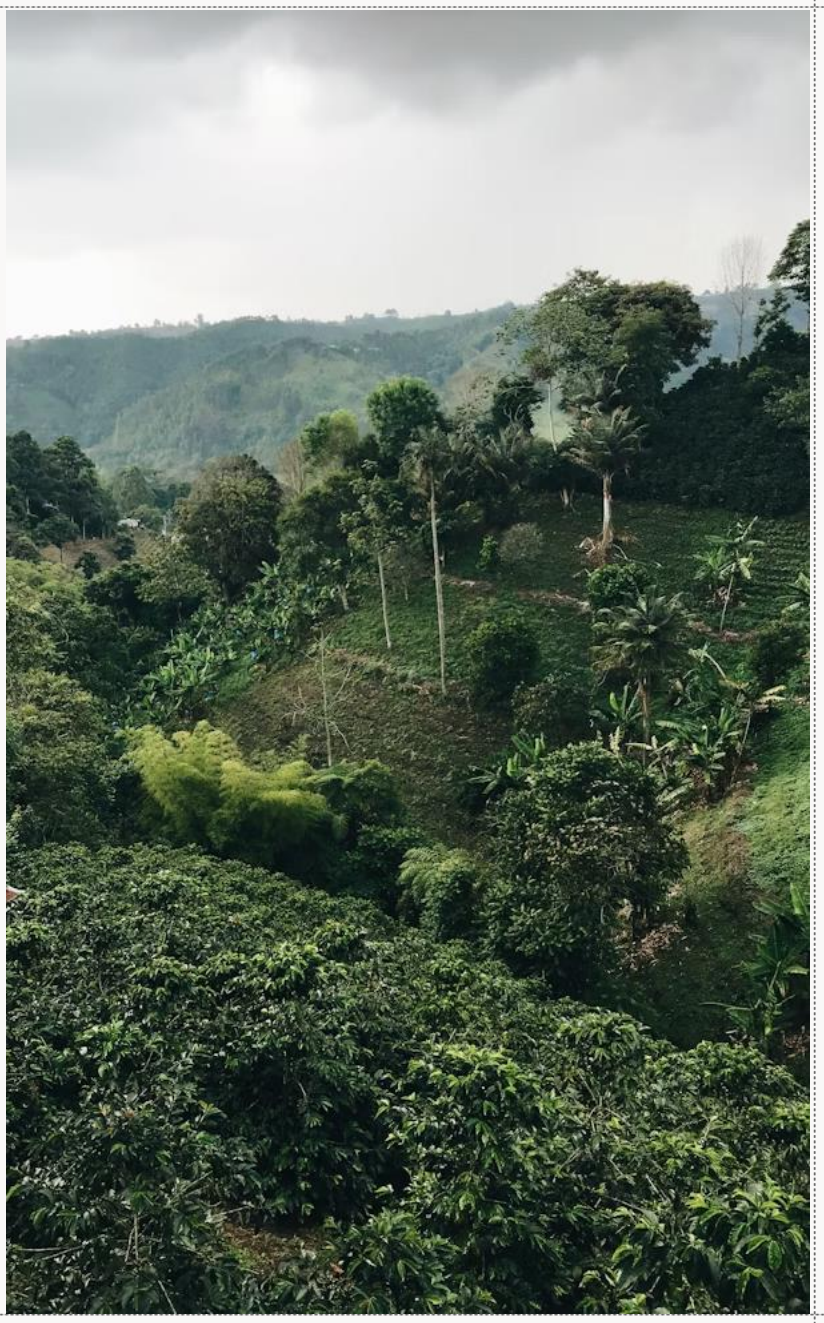


III: Proving biodiversity benefits of coffee agroforestry with bioacoustics monitoring

CHALLENGE

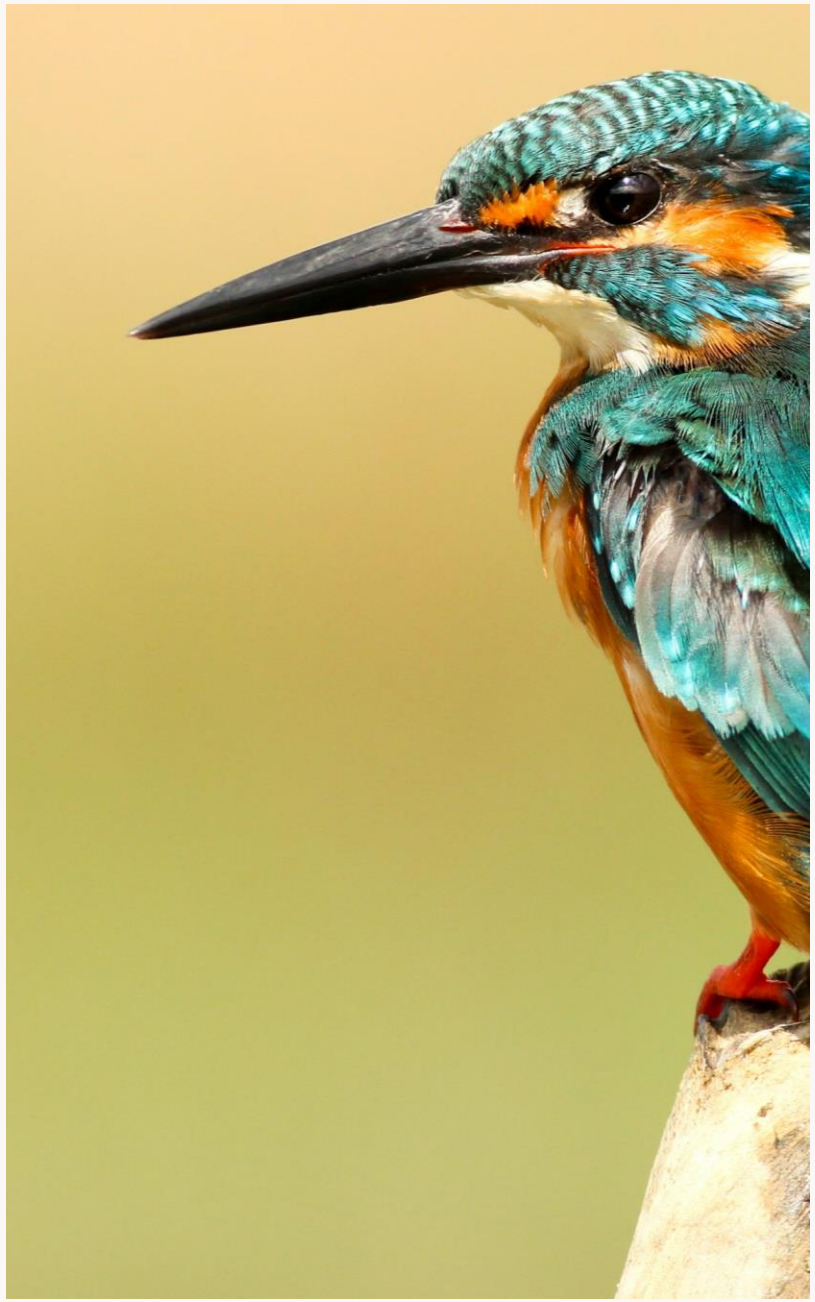
An international coffee brand wanted to tackle the widespread perception that coffee farming is harmful to the environment. To demonstrate the positive biodiversity contribution of their farming systems, they needed accurate data. However, traditional biodiversity monitoring methods are not only expensive and time-consuming but also lack scalability—they rely heavily on manual field surveys and expert identification, making it difficult to extend monitoring across multiple farms or regions.

SOLUTION

The Landbanking Group partnered with the brand to evaluate one of their coffee farms in Costa Rica. A local team was trained to deploy bioacoustic devices across the landscape, enabling the passive monitoring of bird activity. The collected bioacoustic recordings were uploaded to the Landler platform, where advanced analysis identified species presence and abundance at scale.

RESULTS

The Landler bioacoustic analysis identified 69 bird species in the study area, including 2 vulnerable and 3 near-threatened species, validating the results of the on the ground manual observation. This not only demonstrated the ecological value of their coffee system but also highlighted the efficiency of bioacoustic monitoring. Compared to traditional methods, the Landler solution provided a faster, more scalable, and more cost-effective approach to biodiversity tracking while generating credible, science-based insights the company can use for sustainability reporting and stakeholder communication.



IV. Measuring and monitoring the impact of organic rice farming

CHALLENGE

Ecotone needed to quantify and enhance the environmental impact of their supply chain, seeking a scalable solution to measure sustainability, understand the effectiveness of their practices, and provide transparent insights to stakeholders.

SOLUTION

The Landbanking Group implemented advanced monitoring systems across 530 hectares of Italian cropland, utilizing satellite imagery for scalable measurement and developing tailored reports to visualize environmental metrics and progress.

RESULTS

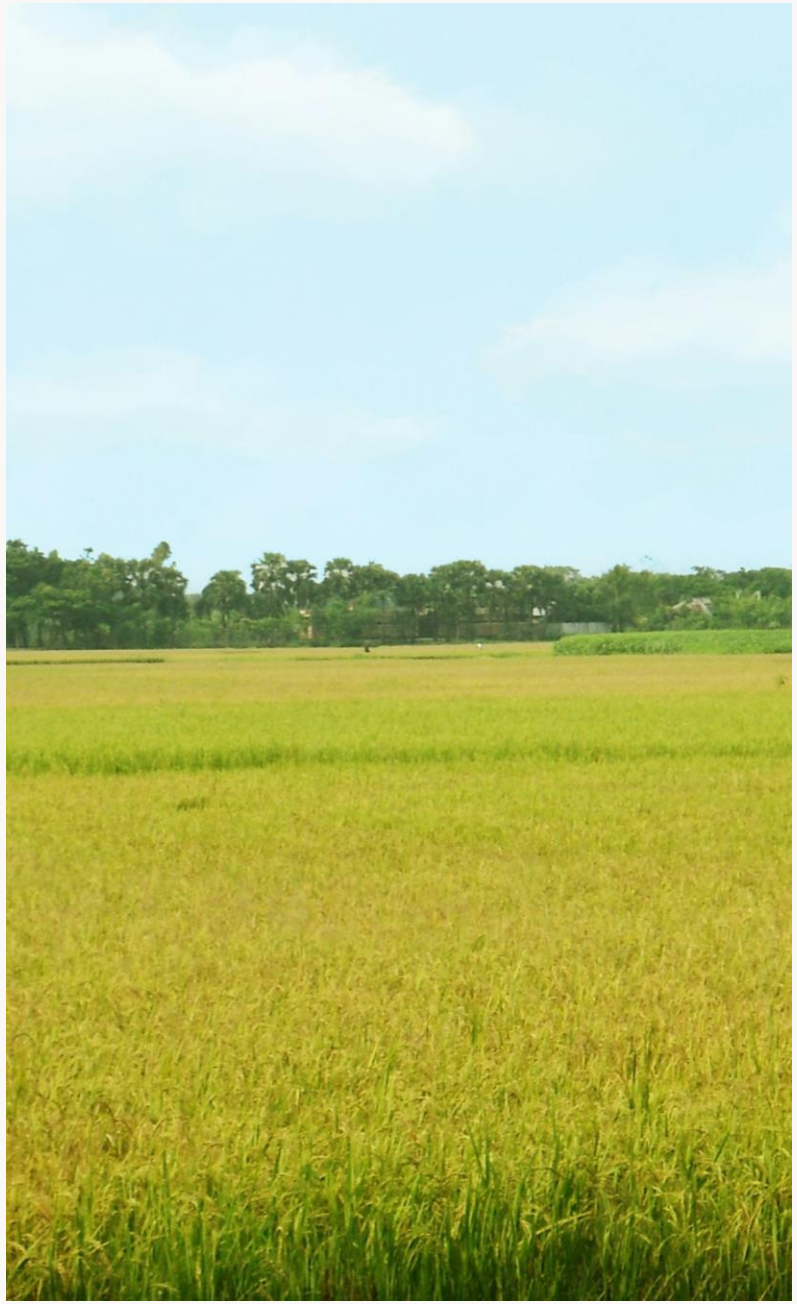
Ecotone achieved consistent supplier monitoring, generated 22 carbon and 17 water uplift units, gained insights across monitored fields, and enhanced their ability to compare conventional and organic farming practices.

ecotone

"The insights provided by The Landbanking Group have been invaluable in our journey towards more sustainable food production. We're now able to make data-driven decisions that benefit both our farmers and the environment."

STENDERT KROMMENDAM

Chief People & Sustainability Officer



V: Assessing climate risk in a global cocoa supply chain

CHALLENGE

Aware that climate change and nature degradation exposes the supply chains of critical ingredients to physical risks, Ritter Sport wanted to identify and quantify this exposure, so that they could then take action to increase business resilience.

SOLUTION

The Landbanking Group delivered a climate risk assessment, using advanced Earth Observation technology and AI to identify and quantify risks. The detailed report addressed the specific climate challenges unique to each sourcing region.

RESULTS

The assessment provided Ritter Sport with valuable insights that can be used to enhance business planning and sourcing decisions. These initial achievements lay a strong foundation for long-term resilience.

"The climate risk assessment provided by The Landbanking Group has given us valuable insights into our cocoa supply chain. This data-driven approach aligns with our commitment to sustainable sourcing and helps us make more informed decisions for the future of our business."

GEORG HOFFMANN

Head of Impact