

BLOOMBERG FOR NBS

Building the tools to create transparency in carbon markets

Gazelle's ecosystem intelligence platform helps corporates, brokers, insurance companies, and landowners asses the value of and monitor their natural assets

Net-zero requires carbon removal

- According to the IPCC, **reducing** emissions alone is not enough to limit global warming to 1.5° C.¹
- All pathways require investment in **planetary- scale** carbon removal technologies.
- Nature-based solutions (NBS) are a key opportunity to deliver 37% of mitigations.²

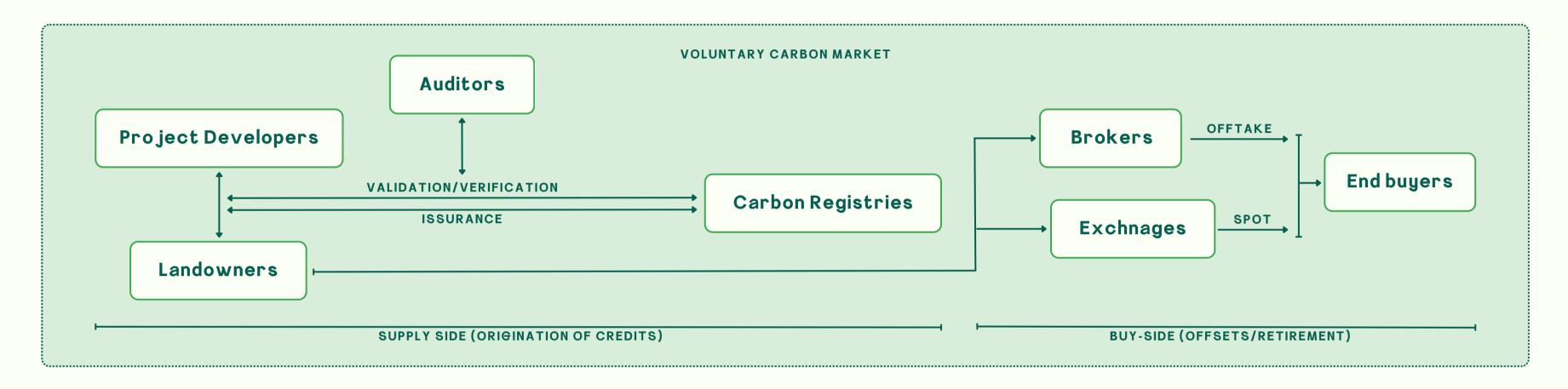
Direct carbon removal is required in even the most optimistic scenarios

CO2 emissions (gigatonnes) outlined in SSP1.1-9³



Upstream inefficiencies hold back a \$978B Market

Gazelle is the embedded data layer across a complex supply chain- we're building a solution that works for everyone



CRITICAL PAIN POINTS



Additionality

Proving GHG mitigations would not have taken place in the absence of financing



Baselining

Modeling GHG emission in the business-as-usual scenario absent the project



Quantification

Audit-ready carbon accounting in line with methodology mandated processes



Monitoring

Tracking land-use/land-cover and environmental parameters on projects over time



Permanence

Amount of time carbon will remain sequestered than being released back

Lack of transparency hurts projects

Failed projects cause reputational harm to buyers and hurt communities in need for carbon finance

Blood Carbon: how a carbon offset scheme makes millions from Indigenous land in Northern Kenva

These people have sold our air

ue, Chiapas. The trees were planted years before South Pole helped a forestry firm claim carbon offsets. Photographer: Cés

Green ESG

Faulty Credits Tarnish Billion-Dollar Carbon Offset Seller

South Pole, the world's leading purveyor of offsets, is facing allegations that it exaggerated climate claims around its forest-protection projects. The uncertainty could influence how legions of companies try to slash their emissions.

REDD+: A Scheme Rotten at the Core

WRM Bulletin 245 30 September 2019

REDD+ has shown to be a big failure for the climate, the forests and forest peoples, but many international agencies and governments continue to support it. This article takes a look at its inability to halt deforestation and the fundamental flaws of its main initiatives.

Issues: The Green Economy / Biodiversity Offsetting / Legal Land Theft / The Green Economy / Pricing Nature / The Green Economy / REDD and other Nature Based

Languages: English / Español / Français / Português

Carbon capture: a decarbonisation pipe dream







Carbon Capture Efforts Are in Service to Big Oil

Nearly three quarters of CO₂ captured annually is reinjected into oil fields to push more oil and gas out of the ground

39 million tons of CO₂ are captured annually

Power generation

69% Processing natural gas

25% Industrial





Firsthand experience as a developer

In 2022 our team built the 1st nature-based carbon project in Africa's Kalahari



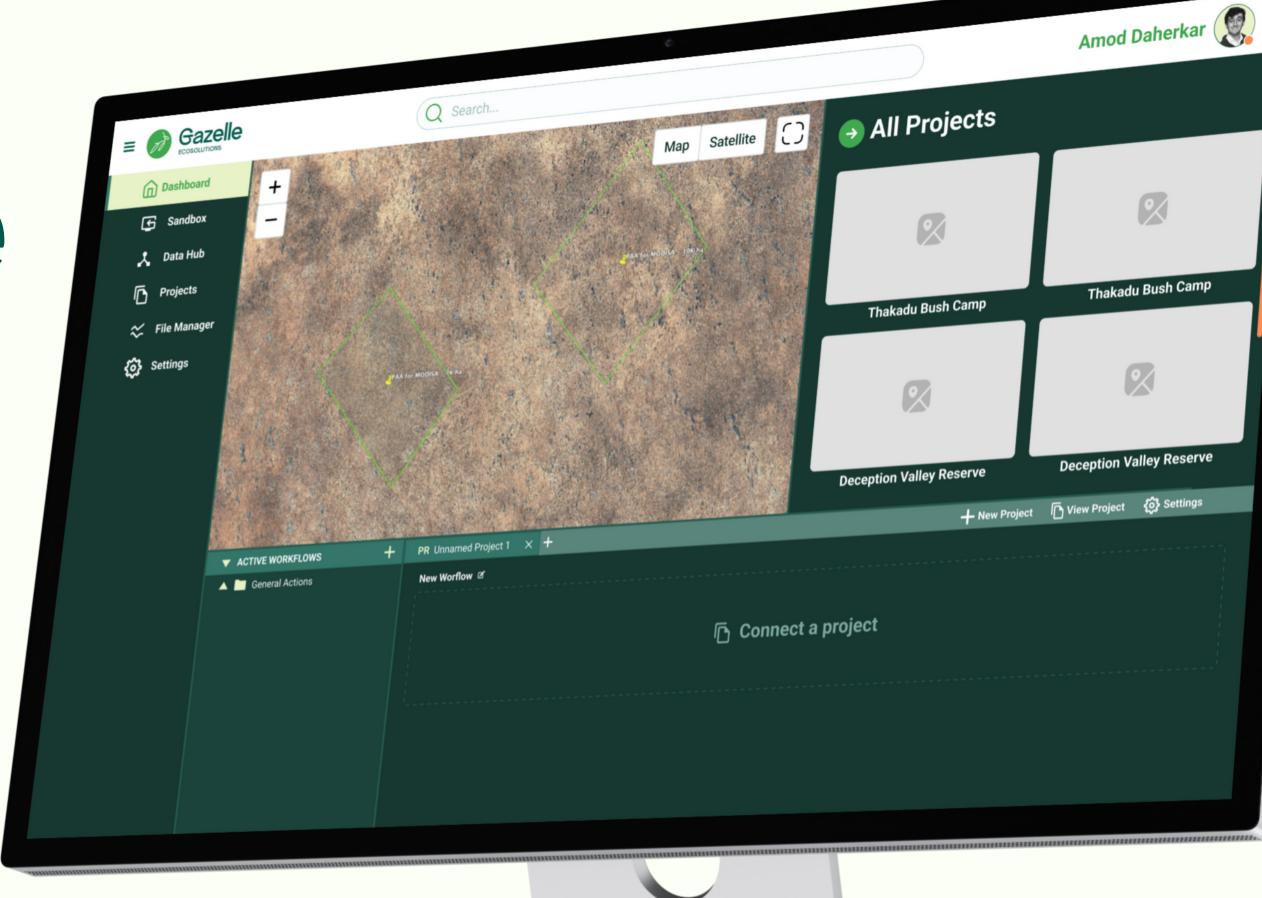
BUILDING TRANSPARENCY

Gazelle

HUB

Seamlessly build and manage projects with GHG forecasts, PDDs, and Alpowered MRV generation at scale

- Develop and monitor projects
- Al-based report generation
- Ocall 3rd party data via API



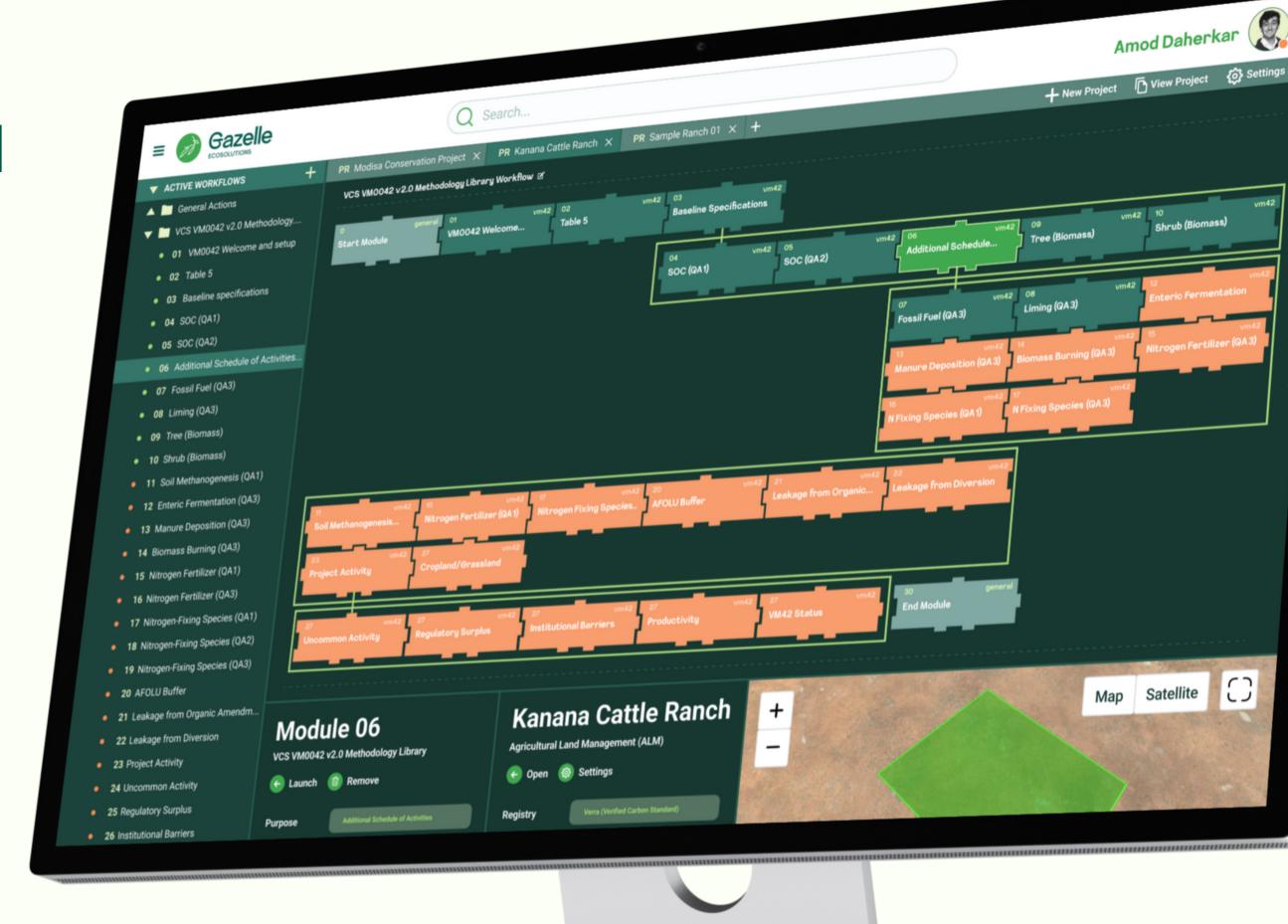
Powerful plug and play sandbox

Fully digitized registry-compliant tools, methodologies, and datasets:

- CDM Quantification Tools
- VCS Quantification Tools
- Import Methodology Libraries
- Call 3rd party data via API



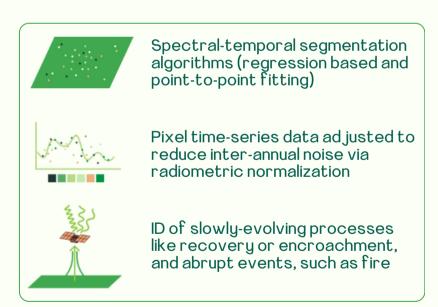
Call MRV Libraries

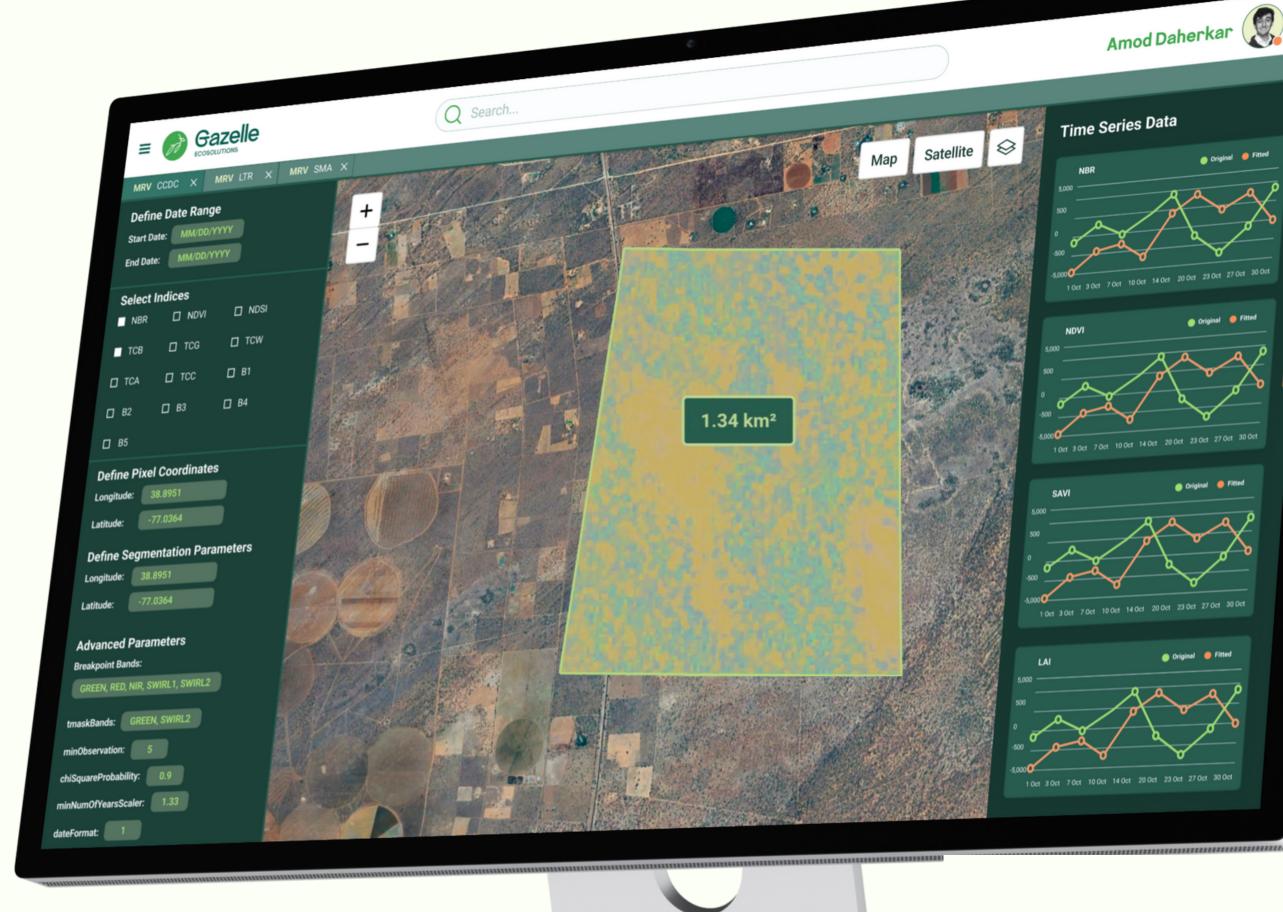




Monitor wildfire, grazing, and commercial activity on project sites

- Ontinuous Change Detection and Classification (CCDC)
- Spectral Mixture Analysis (SMA)
- ✓ Landtrendr (LTR)



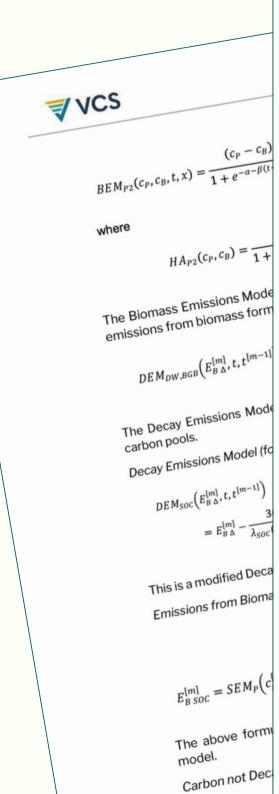


Al-powered auditreadyreports

Leveraging LLMs to rapidly generate reports from field & remotely sensed data

- Project Design/Monitoring Reports (PDMRs) for join validation-verification audits
- Monitoring Reports (MRs) for verification audit + every issuance event for credits
- ✔ Project Design Documents (PDDs) for validation audit + registry listing





 $=E_{B\Delta}^{[m]}-\overline{\lambda_{SO}}$

 $C_{B DW}^{[m]} = \sum_{i \in \mathcal{M}}$

Calculating (



KALAHARI GRASSLANDS PROJECT

GROUPED AVOIDED CONVERSION



Project Title	Kalahari Grasslands Project
Version	v1.0
Date of Issue	18/04/2023
Prepared By	Gazelle Ecosolutions LLC
Contact	Mihir Bendre, Chief Sustainability Officer
	15716 Jeffs Lane
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	United States of America
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	team@thegazelle.co

largely agrarian society: lives two-thirds of rural househol growing, increasing demand andem with threats to natu s of grazing habitat, and t

Project Description: VCS $V\epsilon$

ed project located in the hear land ecosystem. Since 2016 nagement Areas (GH10, GH11, gradation and encroachment ing designated land use on tional Parks Act of 1992, §

ranch of 5 hectares with a ng capacity resulting in vent encroachment past ure interests converting the degradation of over

p land conversion for nt to WMAs and other (GP protects both the The main agents of ative grasslands, and operties in the initial P(PAA) of 106,809 pr the first crediting

on%20or%20desertifi

Gazelle

AI DOCUMENT GENERATION

Early traction and growth

Backed by leading companies, registries, and brokers in the VCM in 24 months



Verified Carbon Standard

in southern Africa (1.3Mt/10yrs)

2 R&D Partners

- Shell's Nature-based solutions business and Gamechanger group
- Kateri, ERA, Thruve world's <u>leading NBS developers</u>



3 Engineering

- Built the entire Gazelle Hub with platforms/subproducts <8 mo
- Built and deployed v1/v2 of app in <4 mo w/ users across 250k ha



GTM Partners

- Shell NBS/Environmental Products + network of suppliers & clients
- ACT Commodities + ClimateCarbon as commercial partners



FEB 22 JUN 22 SEP 22 DEC 22 MAR 23 JUN 23 SEP 23 DEC 23

Gazelle TRACTION AND GROWTH

Who we deliver value for

An overview of our data products, services, and who we are selling to/creating value for post-launch

Platform Solutions



- Assess the carbon value of your natural assets
- Free monitoring and reporting in near real-time
- Free Al-powered audit-ready report generation

For traders

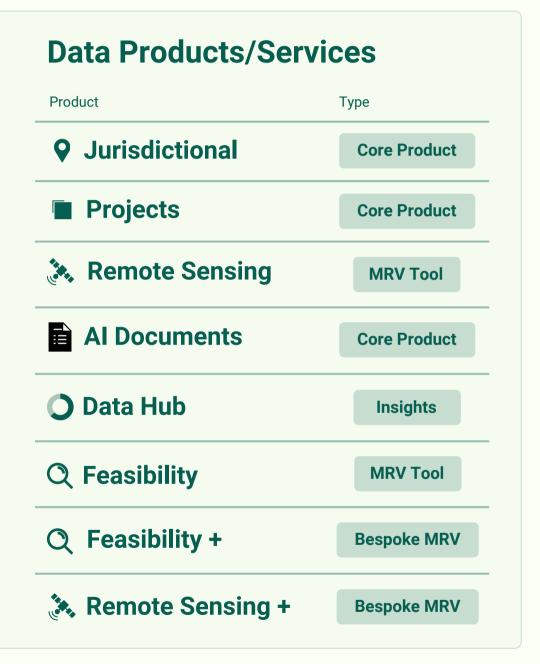
- + Accessing \$/ton transaction data by project
- Risk assessment and pattern-based predictions
- Comparative analytics by project and geography



- + Access jurisdictional carbon + transaction intel
- Analyze ex-ante and ex-post portfolio data
- Assess feasibility on prospective investments

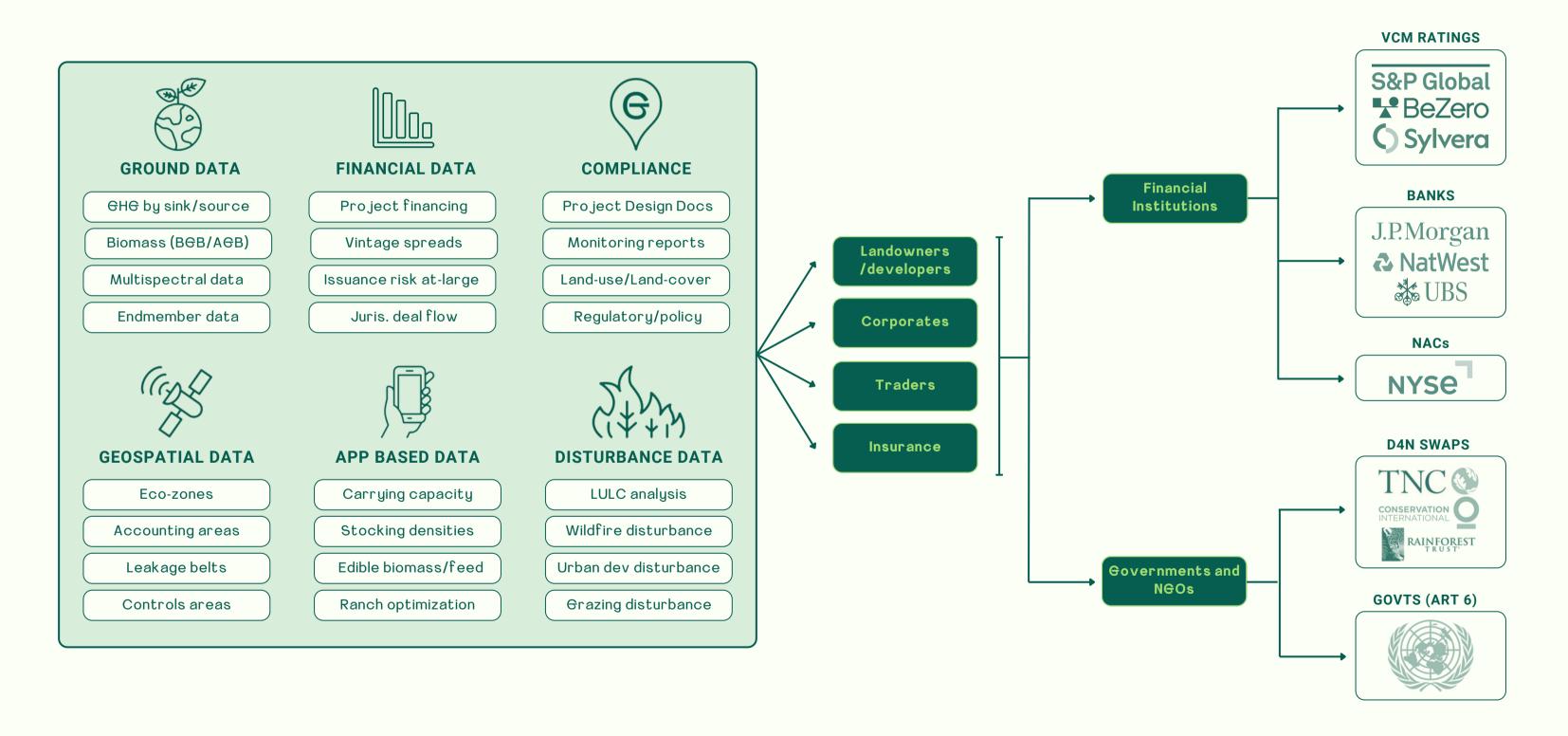
For insurance

- + Validating claims against monitoring data
- Ongoing reporting of natural and human risks
- Jurisdictional + project data to price premiums



Our data opens new markets

High-fidelity environmental data is in demand to unlock institutional financing for carbon markets



Experienced founders, engineers, and academics



AMOD DAHERK AR
Co-founder & CEO

2x founder, VR/AR space, tech
M&A at Scaleview Partners



DR. KELLEY CREWS
Lead Scientific Advisor
20+ years in remote sensing and
human-environment interactions



SIDDHARTH THAKUR
Co-founder & CTO
2x founder, roboticist, 6
patents, ex-Lockheed



ALEX MARDEN PhD(c)
Remote Sensing Scientist
6 years of field experience and
expertise in remote sensing



MIHIR BENDRE
Co-founder & VP Science
Built 1st Biomass Emission
Models for the Kalahari



DR. KEBONYE DINTWE
Biogeochemical Scientist
20+ years in ecology specializing
in soil carbon flux dynamics



DR. THORALF MEYER
Co-founder & Chief Scientist
20+ years in dryland ecology and
cutting-edge remote sensing



SRIRAM HARIHARAN
Software Lead
Serial SaaS founder (2x
acquisitions), ex-JP Morgan



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