Guardian Partnership

Distant Imagery Solutions

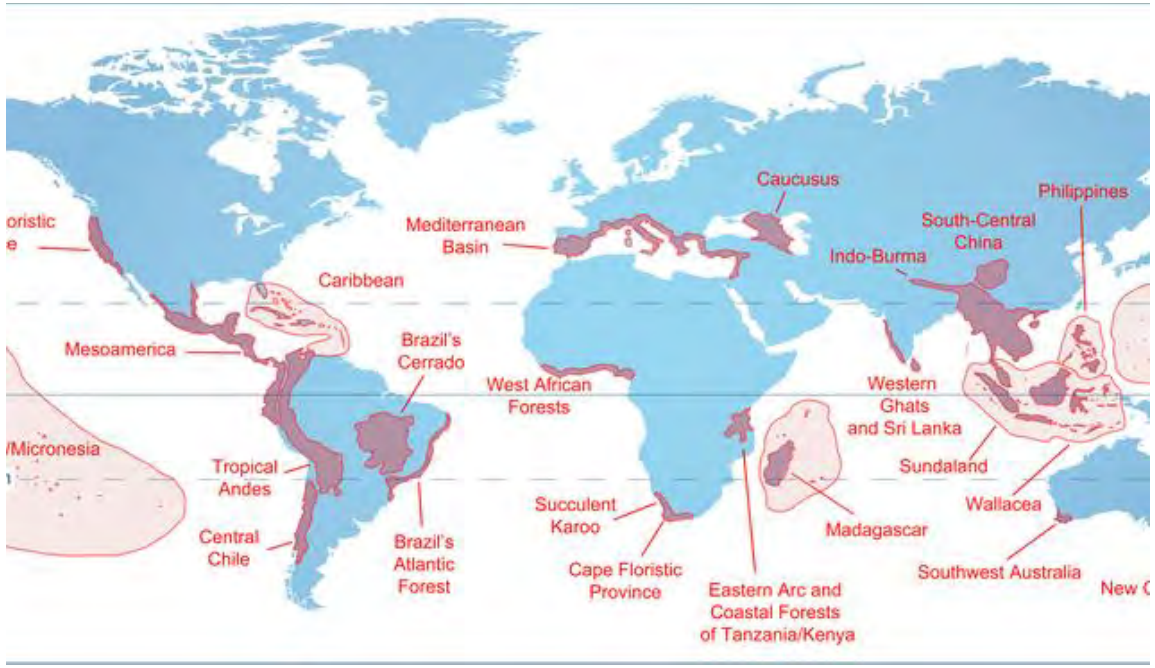
sustain global

earthmatters

Information Deck 2025

Frontline Communities. Global Ecosystems. Real Solutions.

Global Problems	Why It Matters
Communities on the frontlines – no tech, no funding	Early access to scalable, de-risked climate resilience and biodiversity impact
Climate finance pledged – few scalable solutions	Unlock credible, verifiable biodiversity and carbon credits
Restoration models: too expensive, too fragile	Proven model reduces cost, speeds scaling, ensures local ownership
Lack of local ownership – high failure risk	De-risked investments, reputational leadership, sustainable finance access



Exceptional Biodiversity Hotspots

Powered By The Guardian Partnership

Through The Guardian Partnership, we fix the broken model — aligning modular tech, frontline leadership, and verifiable nature-first restoration. This isn't charity — it's empowerment, replication, and resilience.

DIS. Proven. Trusted. Scaling Now.

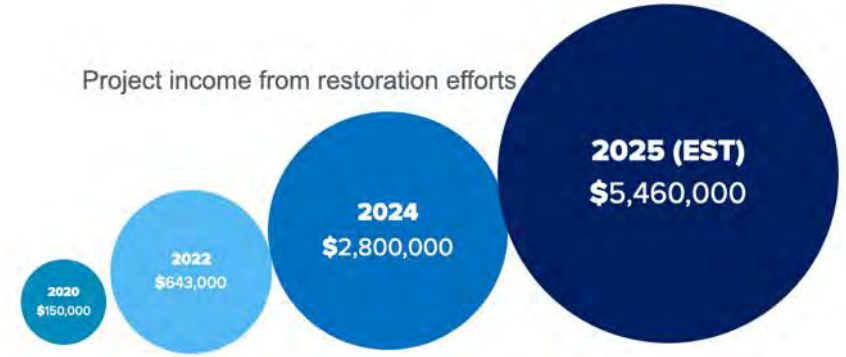
Distant Imagery Solutions

Understanding Through Imagery

TRACTION & GROWTH

Selection of current clients and project partners

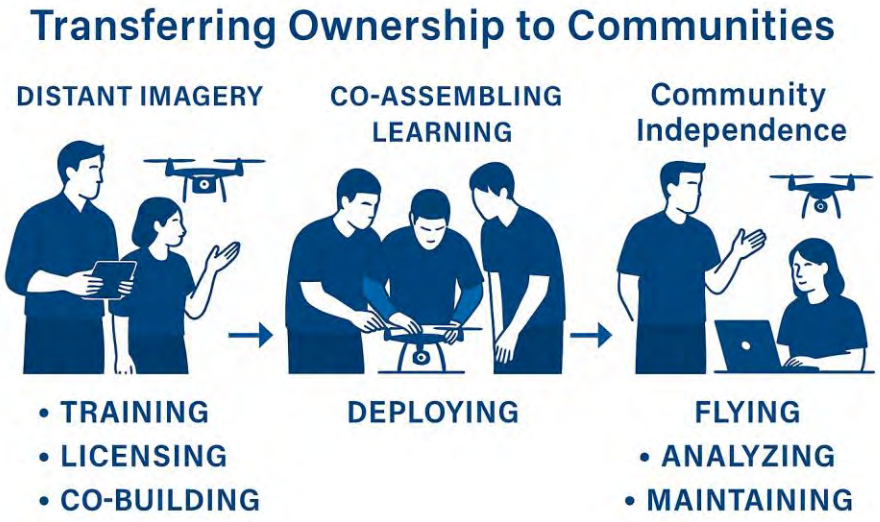
Prizes, Nominations and Accelerator programs



Mangrove seeds planted globally

5 Countries, representing global geographic spread with activities in middle east and global South

Aligned Expertise.
Proven Leadership.



Frontline Communities and Government Allies:
Leadership from indigenous groups, national governments, and scientific institutions.

Sustain Global:
Mobilizing project financing — securing the capital that funds scalable, community-led nature restoration.

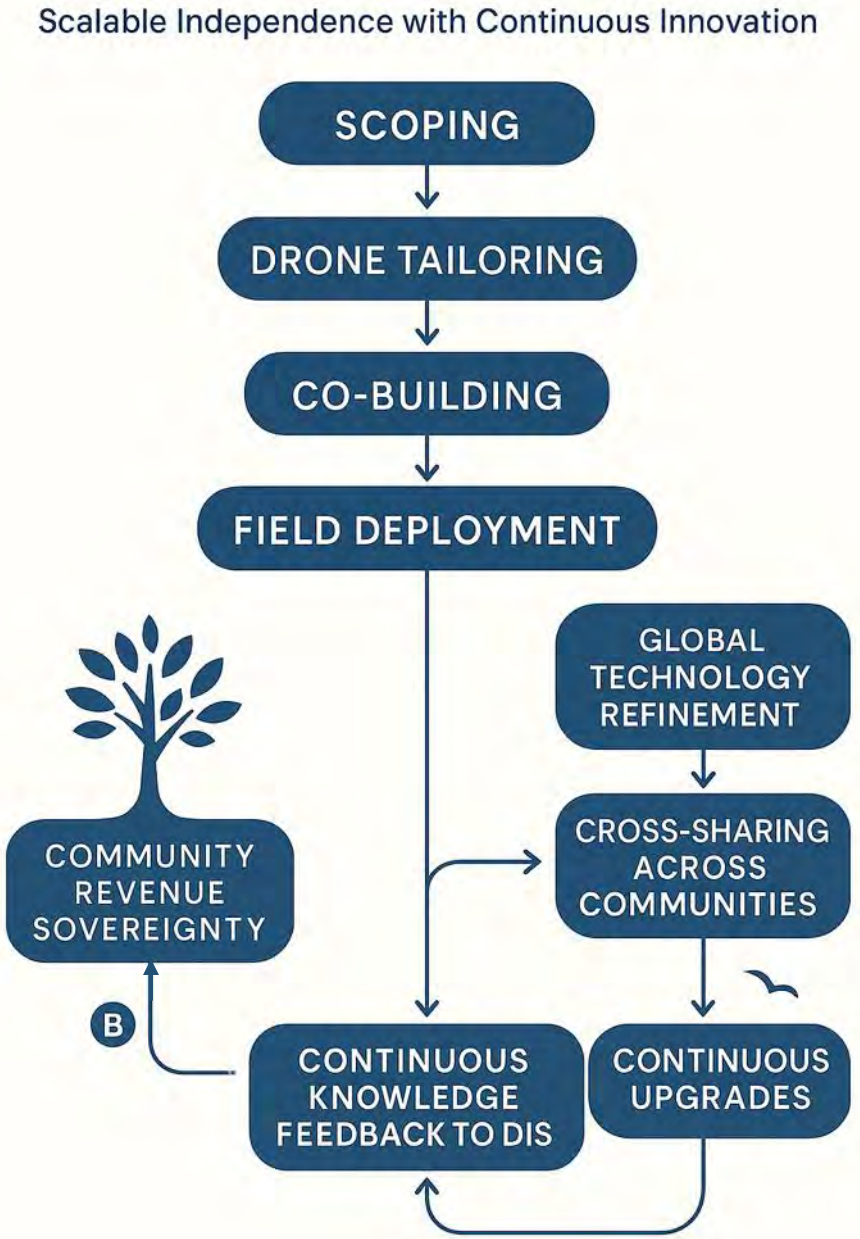
Distant Imagery Solutions (DIS):
Engineering modular climate tech; capacity-building communities for independent operation.

Earth Matters:
Designing livelihoods solutions — building long-term community economic resilience and revenue models.

Tech Designed to Thrive Where Others Fail.

- In-house designed aerial systems — modular, repairable, field-upgradable.
- Built to operate in extreme conditions and logistics
- Precision planting, real-time monitoring, under-canopy habitat analysis.
- 1/5 cost efficiency vs. conventional climate tech players.
- No long global supply chains — trained communities maintain and adapt tech locally.

Partnership Model: Scalable Independence with Continuous Innovation



Initial Projects

01 Borari Tribe Brazil, Alter do Chão

02 KMFRI Kenya – Africa Blue Carbon

03 Tierra Mar Indonesia North Sulawesi/Aceh

04 Kingdom of Tonga | Led by the Chair of Tonga's National Committee on Climate Change (Lord Fakafanua)

Several more communities and regions in the pipeline

Community Project Lead Expertise

Dr. James Kairo
Chief Scientist, Kenya Marine and Fisheries Research Institute (KMFRI)
Kenya Lead for Africa Blue Carbon
Moran of the Order of the Burning Spear (President of Kenya): Contributions to marine conservation
Co-author UNEP Guidelines on Mangrove Restoration

Lord Fakafanua
Speaker of the Legislative Assembly- Kingdom of Tonga
Tongan representative at high-profile forums, including the United Nations
Co-Chairman, Island Resilience Partnership (Global Partnership)

Dr. Tonny Wagey
Executive Director, Tierra Mar Foundation Indonesia
Former Executive Director, Indonesia Climate Change Trust Fund
Action Programme and Regional Coordinator of the Expert Forum (UNDP)
International Working Group on Blue Carbon

Neila Borari
Indigenous knowledge of her lands
Cultural producer, independent researcher, art educator, composer, screenwriter and artisan
graduate from the Federal University of Western Pará - UFOPA

From Funding to Impact

Current Status:

Community and government partners confirmed

Community partners created scope and opportunities for increased revenue and use

DIS modifying current tech

Ready to implement immediately

Further regional and community-level projects in the pipeline

Hear why the projects are important to the communities

Click to View Videos

Reducing Your Risks Across the Project Lifecycle

Political De-Risking:
National and indigenous leadership embedded from the start

Land Access and Tenure Security:
Community ownership models reduce land disputes and social instability.

Operational De-Risking:
Modular tech designed for harsh environments — minimizing downtime and maintenance risks.

Financial Reporting De-Risking:
Real-time MRV ensures verified, defensible credits for investors and ESG reporters.

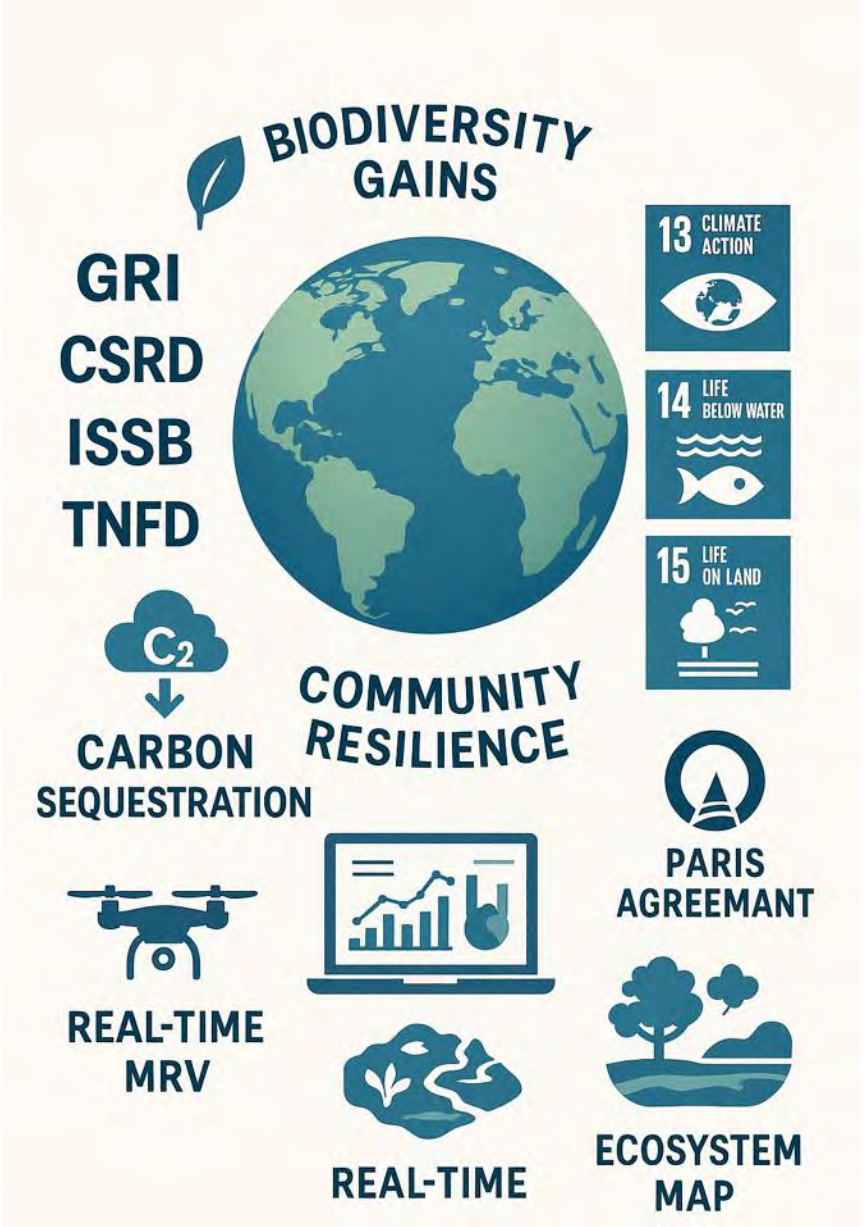
Social License to Operate:
Revenue-retention within communities (100%) supports local support emphasizing long-term buy-in

Scaling Your Impact, Increasing Returns — Faster

- Up to 1/5 lower deployment and operational costs
- +50% increase in restoration hectares
- +40% faster MRV data collection and reduced reporting costs.
- 3x faster project mobilization
- Modular tech adapts quickly to cross-ecosystem scalability
- Multi-credit stackability — carbon, biodiversity, and resilience finance opportunities from a single project.
- Built-in economic multipliers — drone operation, MRV services, and local data economies.
- Minimal reinvestment needed to scale — modular systems reduce recurring capex needs.

Helping You Do Good — and Prove It.

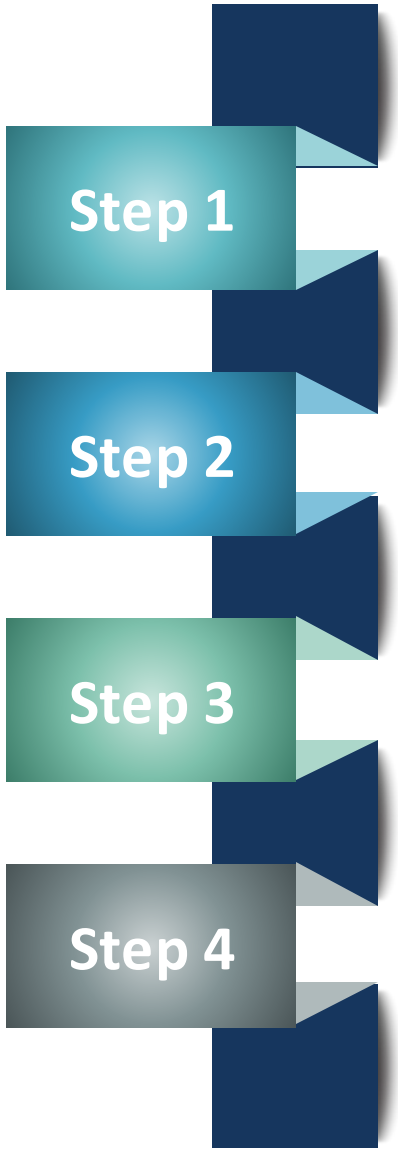
- Verifiable data for carbon sequestration, biodiversity gains, and community resilience.
- Supports ESG reporting under GRI, CSRD, and ISSB standards.
- Aligns with SDGs 13, 14, and 15 — and Paris Agreement climate targets.
- Enables disclosures under TNFD for biodiversity and ecosystem resilience.
- Real-time MRV strengthens carbon credit claims, habitat restoration metrics, and social impact reporting.



Operational in Months. Scaling for Years.

A concern is often how long it takes most projects to get up and running. Our model avoids that bottleneck.

By engineering everything in-house and co-building with communities, we reach full deployment within 12 months and lay the foundation to scale by Month 18 — without delays or dependency.



Month 0–3: Scoping, partner alignment, and local drone adaptation

Month 3–6: Community training, drone assembly, and field deployment

Month 6–9: License activation and 100% local revenue ownership

Month 9–18: Community-driven innovation, feedback to DIS, and global scaling

Building Resilience.
Enabling Leadership.
Let’s Work Together

Partnership Project Funds Include

- Community Counterpart Contribution: Formalized partnerships with indigenous or local government leadership.
- Comprehensive Community Training
- Full Project Development and Implementation
- All Drone and Technology Components
- Licensing and Knowledge Platform Access
- Livelihoods Development Programmes
- Long-Term Self-Reliability — minimizing external dependency beyond Year 1.

Kingdom of Tonga | Led by the Chair of Tonga's National Committee on Climate Change (Lord Fakafanua)

Tonga ranks among the top 10 most climate-vulnerable nations globally. Rising seas, cyclones, and reef/mangrove degradation threaten the survival of its people and ecosystems.

Core Problem
Frequent extreme weather events and disasters (e.g., 2022 tsunami) are devastating coastlines, ecosystems, and communities. Traditional restoration is too slow to rebuild resilience at the pace required.

Project Solution
- Drone-enabled rapid post-disaster environmental assessments
- Prioritized coastal defense restoration (mangroves, reefs)
- Community training for localized MRV and resilience monitoring
- Scalable model for national replication across Tonga's 170+ islands

Efficiency Multiplier
Drone-enabled rapid post-disaster environmental assessments- Prioritized coastal defense restoration- Community training for localized MRV and resilience monitoring- Scalable model for national replication across Tonga's 170+ islands

KPIs Delivered
- 1000+ hectares monitored
- 600+ hectares restored
- 50+ Local community members trained
- 200+ community leaders trained in MRV
- Pilot model ready for national-scale expansion

Reporting Alignment
SDG 13, 14, 15;
GRI Climate Resilience Reporting;
CSRD Adaption and Risk;
TNFD Climate and Nature Risk Disclosures; Paris NDCs.

KMFRI Kenya – Africa Blue Carbon

Kenya's southern coast is a global blue carbon hotspot – mangroves here sequester four times more carbon per hectare than tropical forests.

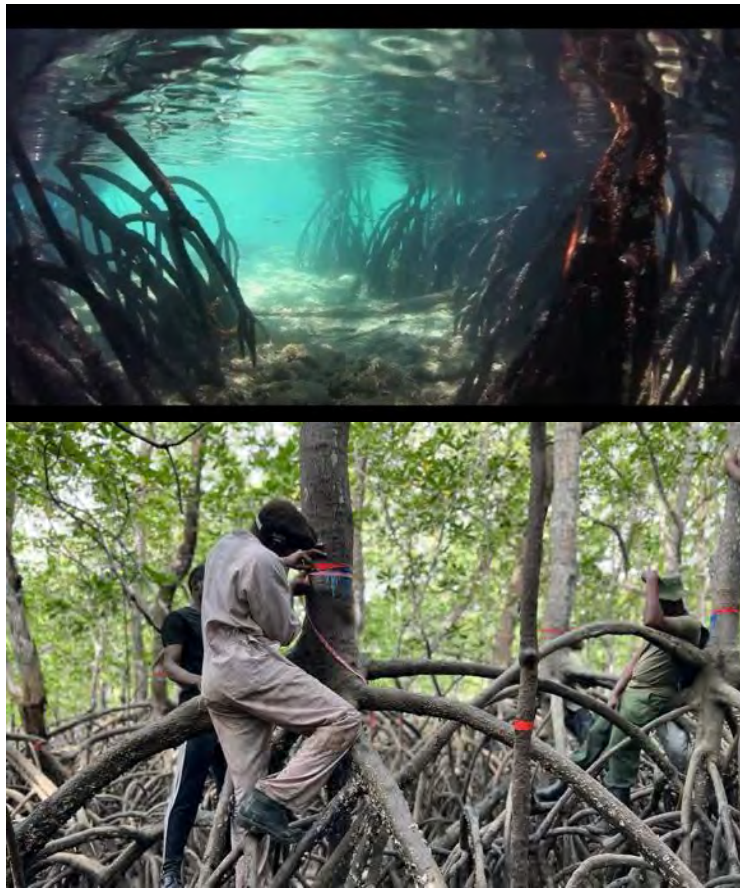
Core Problem
High costs and slow timelines for traditional MRV create major barriers to launching and scaling verified blue carbon restoration projects.

Project Solution
- Drone-led MRV to verify restoration outcomes at lower cost and faster timelines
- Real-time mangrove health monitoring to reduce manual survey dependency
- Expansion of Mikoko Pamoja blue carbon model to new coastal areas
- - MRV savings reinvested into manual restoration and community livelihoods

Efficiency Multiplier
Traditional carbon MRV requires months of costly fieldwork; Distant Imagery's drone MRV reduces verification time and cost by 40% or more, unlocking restoration scaling.

KPIs Delivered
- 800+ hectares monitored
- 100+ hectares restored
- 50+ Local community members trained
- 30%+ projected increase in validated blue carbon credits within 2 years

Reporting Alignment
SDG 13, 14, 15;
GRI Environmental;
CSRD Carbon reporting;
TNFD Nature Risk Disclosures;
Paris NDCs.

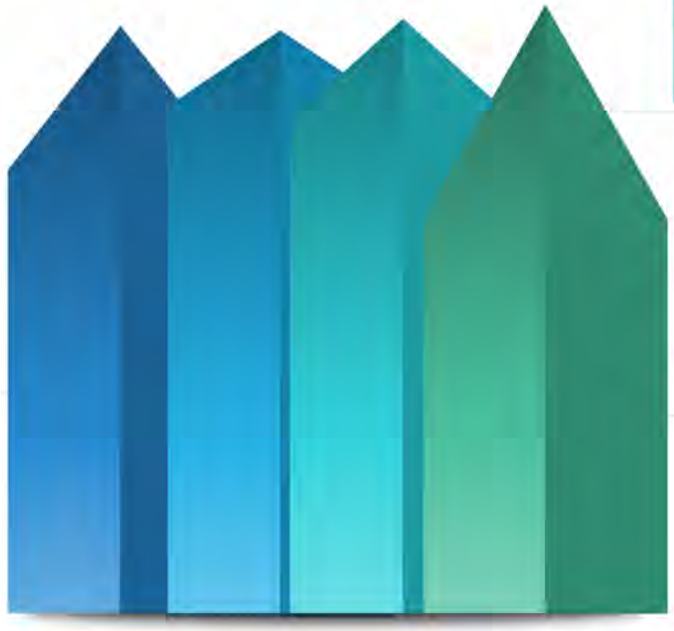


Tierra Mar Indonesia North Sulawesi/Aceh

Indonesia holds the largest mangrove extent globally and is at the heart of the Coral Triangle – safeguarding coastal ecosystems here protects biodiversity, blue carbon stores, and resilience for over 42 million people.

Core Problem
Coastal ecosystems face rapid degradation from aquaculture, land conversion, and climate change. High costs and slow timelines for habitat assessment hinder restoration scaling across Indonesia's vast coastlines.

Project Solution
- Drone-enabled multispectral mapping of coastal mangroves and reef systems in North Sulawesi and Aceh
- High-efficiency restoration planting via drone
- Community training in MRV, habitat monitoring, and restoration optimization



Efficiency Multiplier
Our drone-enabled habitat planning reduces planting initiation time by up to 50%, allowing communities to launch active restoration within 2 months and maximize survival success.

KPIs Delivered
- 1300+ hectares monitored
- 600+ hectares restored
- 50+ Local community members trained
- 200+ community leaders trained in MRV
- Biodiversity and carbon baselines established for reef-mangrove blue carbon credit projects

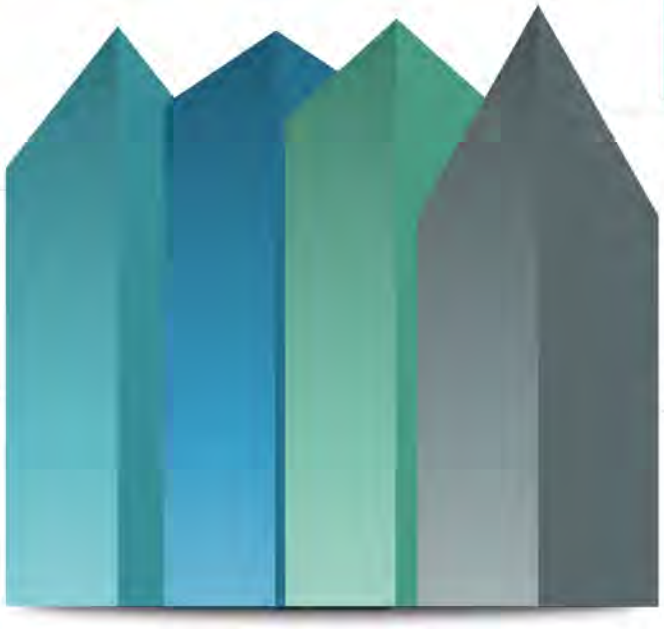
Reporting Alignment
SDG 13, 14, 15;
GRI Env and Biodiversity Disclosures
CSRD coastal ecosystem reporting;
TNFD Climate and Nature Risk Disclosures; Paris NDCs.

Borari Tribe Brazil, Alter do Chão

The Amazon produces 20% of world's oxygen; Alter do Chão is critical for carbon and freshwater regulation.

Core Problem
Deforestation, illegal fishing, and loss of Indigenous land stewardship threaten ecosystem stability.

Project Solution
- Drone monitoring of illegal activities
- MRV mapping of forest/mangrove health
- Drone-assisted native reforestation
- Livelihoods support (beekeeping, agriculture)



Efficiency Multiplier
Traditional patrols = 5 hectares/day → Drone monitoring = 250 hectares/flight (50x efficiency, 70% cost reduction).

KPIs Delivered
- 1000+ hectares monitored
- 250+ hectares restored
- 50+ Borari community members trained
- 25% illegal activities reduction target

Reporting Alignment
SDG 13, 15, 1;
GRI Environmental;
CSRD ecosystem and community reporting;
TNFD biodiversity disclosures;
Paris NDCs.

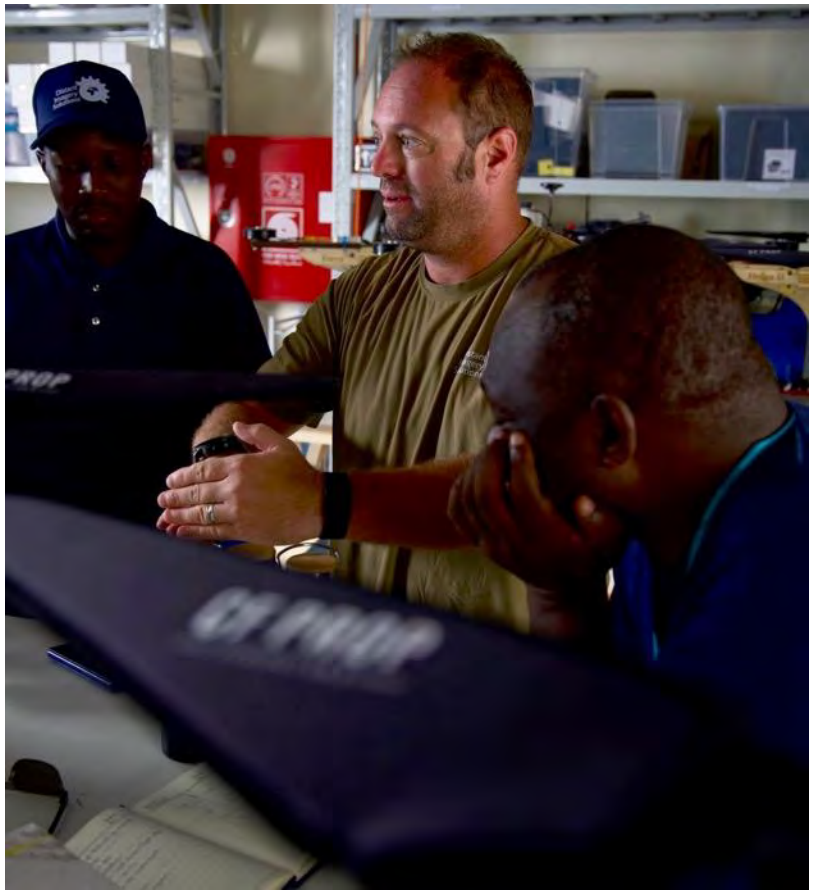
Strategic Scaling Options

Expand Your Impact: Strategic Investment Options for Partners Ready to Scale Faster.

- **Blended Finance Opportunities:**
  For investors seeking broader engagement, projects can integrate into Distant Imagery's scaling frameworks, accelerating both local and global ecosystem restoration.

- **Increased Impact Through Aggregation:**
  Possibility to combine multiple local-level projects under a unified investment strategy — amplifying regional resilience outcomes.

- **Curated Corporate Engagements:**
  Full project sponsors may arrange curated site engagements for their staff as part of their CSR and sustainability programs — strengthening internal ESG leadership and visibility.



Early partners in the Guardian Partnership are shaping the future of scalable, verifiable ecosystem resilience.

Align with frontline leadership. Scale verified impact.

The time to lead — and prove it — is now.

[redacted]

Distant Imagery Solutions Co-Founder, Jane Glavan

janeglavan@distantimagery.com

Sustain Global Founder, Adrienne Doolan

adoolan@sustainglobal.co