

THE PROBLEM



BANKS SEE AGRICULTURE AS TOO RISKY DUE TO LACK OF RELIABLE DATA, COLLATERAL, AND RISK MITIGATION TOOLS.

17%

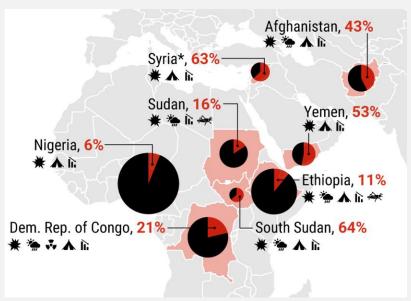
Of African countries have proper weather monitoring systems

\$15B

Lost annually to climate impacts

50%

Projected decrease in agricultural productivity by 2050

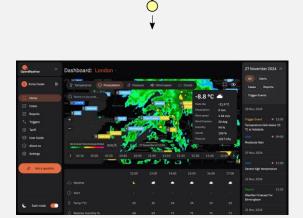


The consequences of unreliable climate data are visible in rising food insecurity — especially where risk is highest.

Source: https://www.gzeromedia.com/the-graphic-truth-global-hunger-hotspots-in-2021

Existing global models are too coarse for Rwanda's diverse microclimates, and current infrastructure is fragmented, slow, and inaccessible to most users.







Our Solution

- 1-kilometer resolution forecasts 50×
 more precise than global models
- Integration of satellite imagery with ground station data through partnerships with African agencies
- Actionable climate intelligence for agriculture, insurance, and logistics sectors
- Bloomberg Terminal for climate
 intelligence in Africa's \$3 trillion economy

EARLY PROOF POINTS

- 8 months of development: 6 months on AI model, 2 months on platform.
- Successful 1km resolution forecast validation against historical data
- Basic analytics dashboard testing with agricultural users in Rwanda
- Partnership with the Rwanda Meteorology Agency
- 1st place at NextGen Space Challenge (£1,000 prize)
- UK Innovate partnership for critical datasets and computational resources
- Upcoming meeting with the Rwanda Space Agency



Source: https://iuk-business-connect.org.uk/events/nextgen-space-challenge-pitching-event/

STRONG PARTNERSHIP









WHY WE'RE UNIQUELY POSITIONED TO WIN

	Terraform Analytics	Global Providers (AccuWeather/IBM)	Agricultural Intel (aWhere/Gro)
Resolution	1KM precision	15-50KM resolution	10-20KM resolution
Local Data Integration	~	×	Limited
Africa-First Approach	~	×	×
Financial Inclusion Focus	~	X	Limited

Our technology critically **de-risks agriculture for banks and insurers**, enabling farmers across Africa to access financial services more easily.



\$1B MARKET OPPORTUNITY

WEATHER VOLATILITY MAKES IT HARDER FOR AFRICA TO DO AGRICULTURE

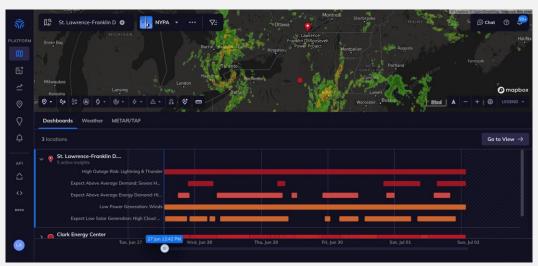
- Government: Climate adaptation programs
- Agriculture: Yield optimization
- Insurance: Risk modelling
- Logistics: Supply chain planning

Projecting \$ 1M+ recurring revenue within two years as we expand beyond Rwanda

REVENUE MODEL

OUR PLATFORM AND BUSINESS MODEL ENABLE RAPID SCALING (Business model scales like a vertical SaaS platform)

- Basic Subscriptions: Essential short-term forecasting and risk analysis for small enterprises and farmers.
- Premium Tiers: Long-term forecasts (3 6 months) and comprehensive analytics for larger organizations.
- Enterprise Solutions: Customized packages for government, banks, insurance, and supply chain companies.
- API Access: Third-party integration (priced by call volume)





Our Path Forward







BEYOND BUSINESS: OUR IMPACT

Financial Inclusion

Creating access to financial services for millions of previously underserved farmers

Climate Resilience

Helping communities adapt to increasingly volatile weather patterns

High-Skilled Jobs

Creating technical roles in climate and ML technologies across Africa

Economic Growth

Developing critical infrastructure for Africa's future







Jules Udahemuka

- Lead/Engineering
- Climate Science
- ML Engineer

Clarisse Isingizwe

- Data Science
- Engineering
- Software Developer





Floris Nzabakira

- ML Researcher
- Research/Development

Emmanuel Nsengiyumva

- Engineering
- Software Developer
- GIS Expert





THE ASK: \$40,000 INVESTMENT

\$25,000
TECHNICAL
DEVELOPMENT
AND PLATFORM
COMPLETION

\$10,000 EXPANDING DATA PARTNERSHIPS BEYOND RWANDA

\$5,000

CUSTOMER

DISCOVERY AND

MARKET

VALIDATION

"We are not just forecasting the future—we are helping Africa build Africa."

THANKS

TerraSense Research