



ForestWatch

eOS

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Problem Overview



The **environmental crisis** in East Africa stems from three main issues: fragmented data hampers effective decision-making, ecosystems are rapidly degrading, and unpaid protectors struggle to sustain their livelihoods. This interconnectedness creates barriers to meaningful environmental action and conservation efforts across the region.

ForestWatch eOS: Unifying Environmental Action



Eyes

Trees and sensors work together for intelligence.



Wallet

Supporting eco-tourism and payments for ecosystems.



Hands

Restoration efforts empowered by community engagement.

Brain

AI insights guide restoration and species management.

Market

OPPORTUNITY

01

Customers

ForestWatch eOS targets agencies, NGOs, and local communities, optimizing their **environmental spend** and maximizing impact through effective management.

02

Revenue

The platform will generate income through **subscription fees**, success payments, and eco-tourism partnerships, ensuring sustainable funding for conservation efforts.





Go-To-Market

ForestWatch eOS will begin with targeted pilots in coastal mangrove areas and urban waste management corridors. By demonstrating effective restoration and waste solutions, we aim to onboard local communities, ensuring sustainable practices while scaling our model across East Africa for broader impact.

Competitive Edge: Unifying Environmental Solutions



Integrated Solutions

ForestWatch
eOS combines
monitoring and
action
seamlessly.



Community Empowerment

Empowering
local
communities to
drive sustainable
practices.



Vision Timeline

Launch

Expansion

Impact

Long-Term



Launch pilot programs in key regions to test ForestWatch eOS functionalities.

Expand to multiple counties, integrating with local systems and communities for broader reach.

Demonstrate significant ecological restoration and income stability for local guardians through PES.

Establish ForestWatch eOS as a regional standard for nature-positive economics and funding.

Meet the Team

Mathew Wahome — Team Lead,
Vision, coordination, and architecture of ForestWatch eOS; aligns “Eyes, Hands, Wallet, Brain” and delivers pilots.

James Koikai — AI & Product Lead
Digital Twin and AI design; prompt craft, threat scoring, PES logic, and the flow from alert to payment.

Tony Mputhia — Data & Infrastructure Engineer
Data pipelines and integrations; satellite, sensor, and USSD intake; scalable APIs for deployment.

Ephraim Kisaka — UX & Partnerships Lead
User experience and partnerships; Dark Forest UI, USSD, public dashboards, and work with communities and partners.