

PILOT PROPOSAL · 2026

Proof of Forest

POWERED BY DIGITAL TREE IDENTITY™

A digital incentive system that gives a standing tree an immediate value for the people who live beside it — no logging, no carbon certificates.

15

Transboundary wildlife corridors

814 km

Corridor length

2,442 km²

Corridor landscape

17,739 km²

Monitoring landscape

**520,000
km²**

Part of the KAZA TFCA

This is not one forest. It is one of Africa's most important corridor systems. Landscape figures from Erdwin's dissertation on the 15 transboundary corridors of KAZA.

THE PROBLEM

Corridors disappear because families need food.

Clearing is a consequence of missing alternatives. So this project does not pay people for conservation. It pays them for monitoring — honest, verifiable, and rewarded the moment the work is done.

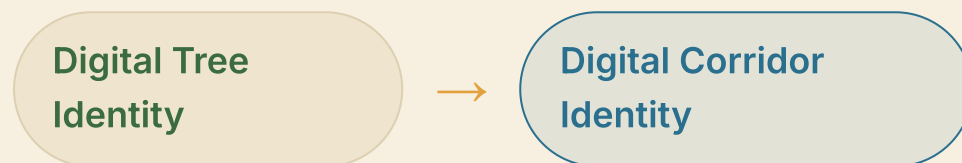
**This project creates a second source of income —
without changing traditional livelihoods.**

*Not conservation versus people — conservation plus
income.*

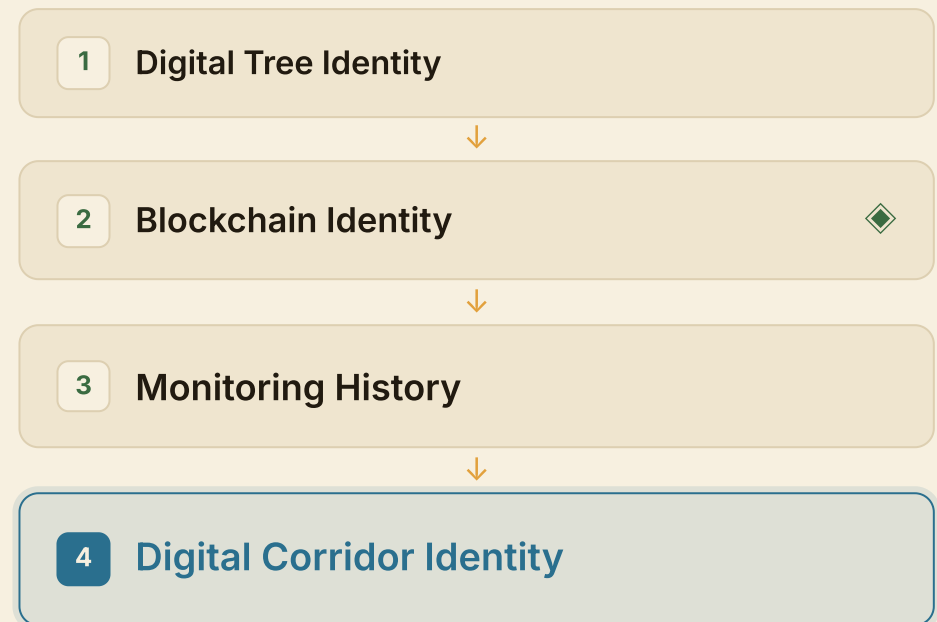
THE SOLUTION

Every tree earns a digital identity.

AI maps the forest once, in high resolution. What remains is a permanent record for each tree — like a digital passport. The blockchain does not store the tree; it stores its verifiable life story.



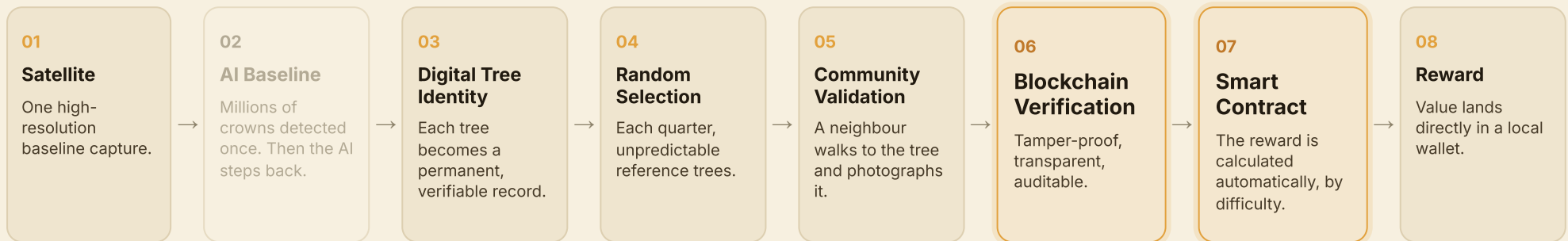
Thousands of these identities compose a Digital Corridor Identity — the real subject of protection.



The blockchain does not store the tree. It stores its verifiable life story — and binds thousands of them into one Digital Corridor Identity.

HOW IT WORKS

From one satellite pass to a transparent reward.



☐ AI maps once, then steps back

☒ Blockchain is the trust layer

THE COMMUNITY REWARD

A transparent incentive — straight to a local wallet.

On successful validation, the wallet automatically receives a reward in USD value. The amount is variable: the harder the task, the higher the reward.

COMMUNITY SPLIT — TWO COMMON SHAPES, SET BY THE PROJECT



Rewards are issued as blockchain tokens and can be redeemed locally. (1 USD ≈ 20 NAD.)

Built on a fee-light, ESG-credible chain (e.g. Hedera) — sub-cent micro-payments with an auditable trail, not speculation.

Single tree	≈ 1 USD
Remote tree	≈ 2 USD
Cluster of 5	≈ 5 USD

THE SCIENCE

You don't measure every tree to know the forest.



1,000 random trees represent five million — at 95% statistical confidence. Nobody knows in advance which trees are chosen, so they represent the whole forest.

LOW

500 trees

Lower certainty ·
lowest cost

MEDIUM

1,000 trees

Higher certainty

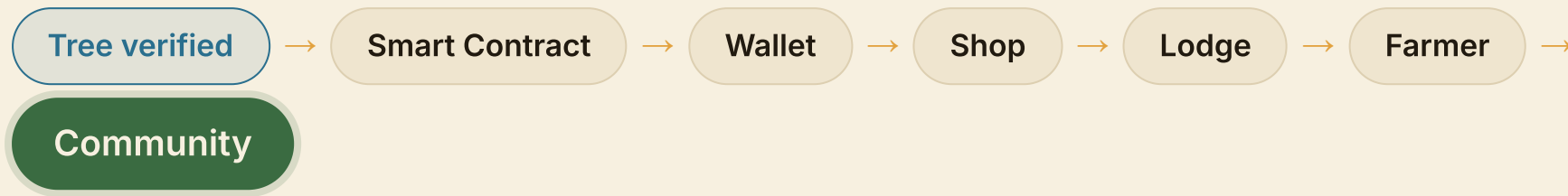
HIGH

5,000 trees

Very high certainty

VALUE STAYS LOCAL

The money stays in Namibia.



NOT HERE

~~Binance~~

~~Coinbase~~

~~Visa~~

Every reward flows from a verified tree straight into the local economy — not to Binance, not to Coinbase, not to Visa.

PHASES & BUDGET

Five funded phases.

TARGET PILOT BUDGET

≈ CHF 100,000

Jointly funded by WWF and Porini Foundation.

PHASE 1

Baseline

AI maps every tree once. Each receives a Digital Tree Identity.

PHASE 2

Blockchain infrastructure

The transparent incentive layer: wallets, rewards, audit trail.

PHASE 3

Community app

Offline, icon-only, built for the field.

PHASE 4

Pilot deployment

First corridors monitored by their own communities.

PHASE 5

Evaluation

Statistical validation, lessons, and the path to scale.

Funding per phase is set with the partner — the WWF enters figures to its own budget capacity.

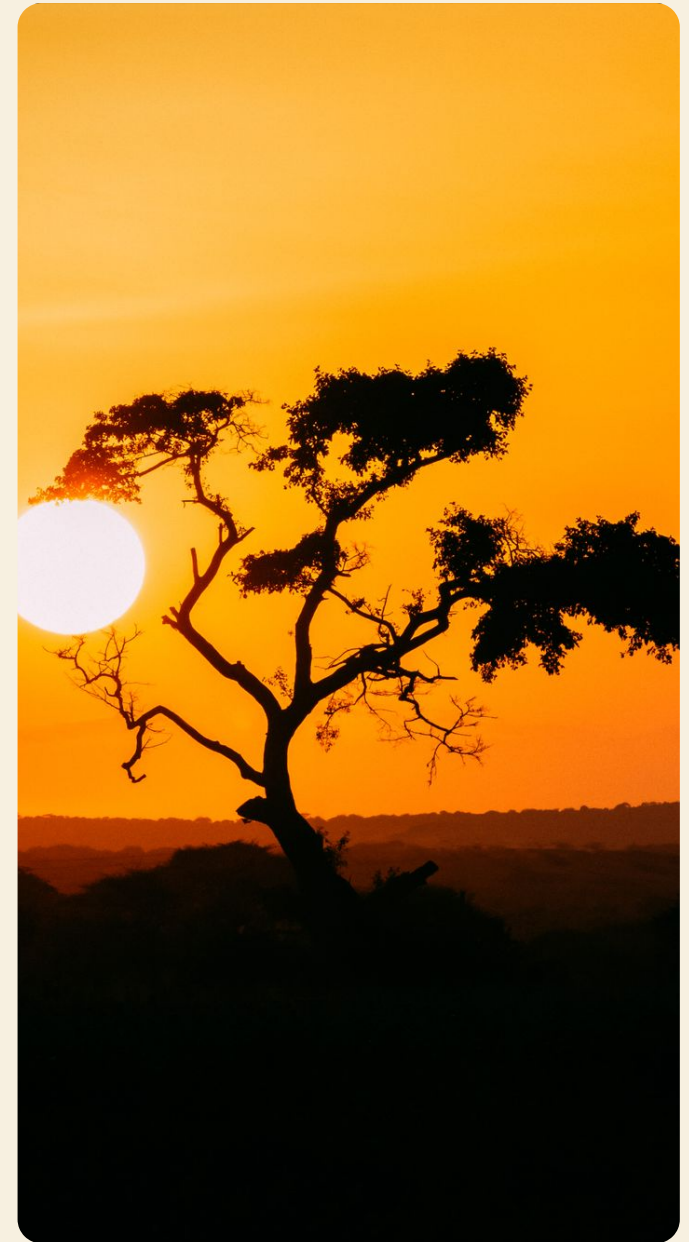
WHY US

Not only funding — a substantial part built as our own contribution.

- ✓ Project architecture & scientific design
- ✓ Monitoring platform development
- ✓ Mobile app (offline-first, icon-based)
- ✓ Project management & technical documentation
- ✓ AI-assisted baseline mapping
- ✓ Blockchain infrastructure & smart contracts
- ✓ Dashboard & reporting

Porini Foundation contributes substantial in-kind development and technical expertise, reducing external funding requirements.

As a result, the bulk of external funding flows into local implementation, community engagement and fieldwork.



THE ASK

We are not monitoring trees. We are building a new conservation economy around wildlife corridors.

The Digital Tree Identity is the building block of a Digital Corridor Identity — community-owned, scientifically validated, and cheap enough to last. We invite the WWF to back the pilot.

Digital Tree Identity



Digital Corridor Identity

- Co-fund the five-phase pilot toward ≈ CHF 100,000
- Partner on corridor selection in KAZA / Bwabwata
- Open the door to communities and field logistics

Contact **Porini Foundation** · forest.operal.tech