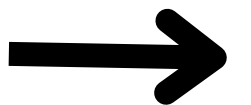




Community Bioeconomy Pilot

Value Addition in Agroforestry Systems Bahia, Brazil

Instituto Alume



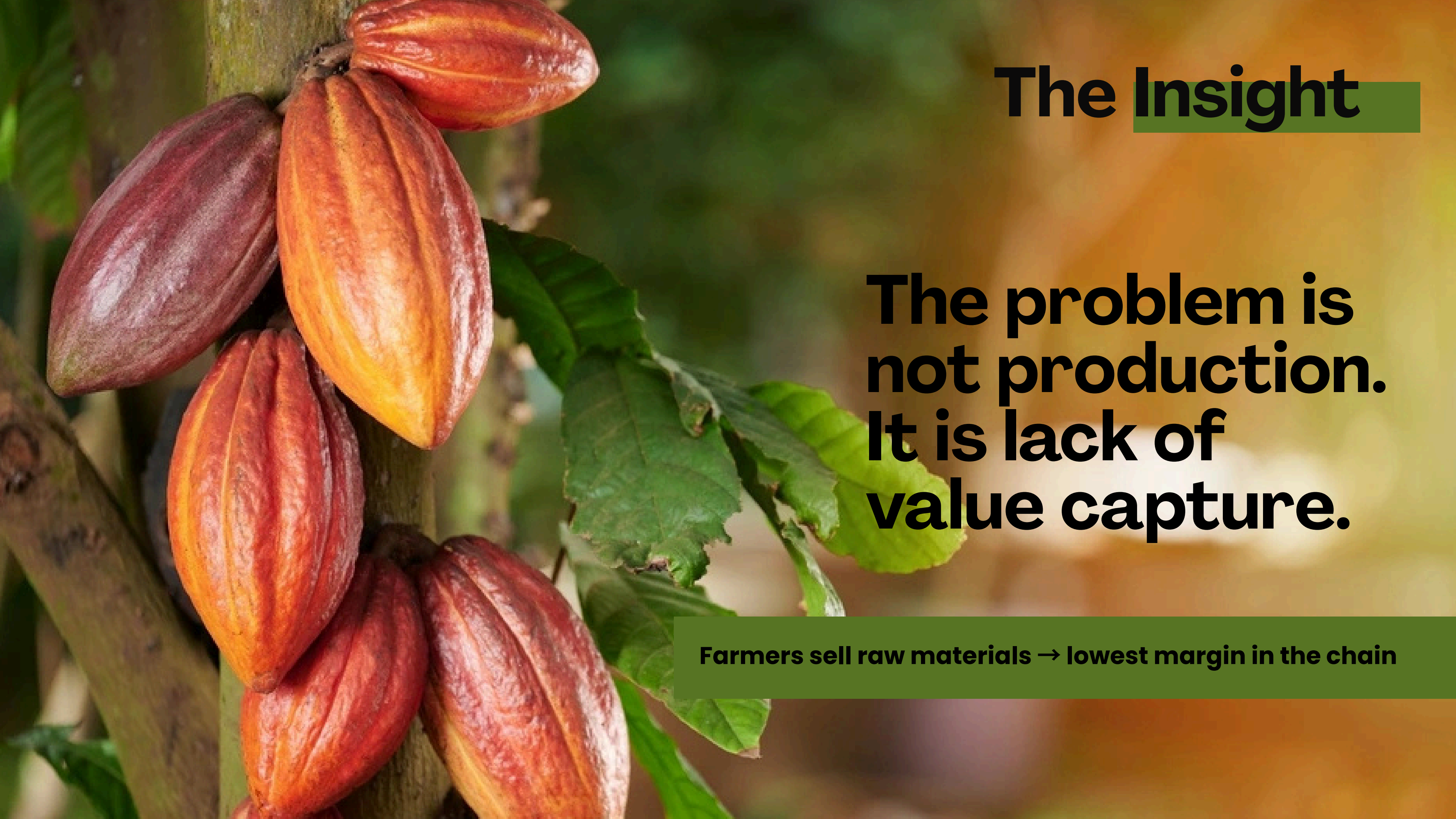
The Problem



- High biodiversity, low income regions
- Smallholders capture minimal value
- Dependence on intermediaries
- Environmental pressure increasing

Key stat: >50% of local population in vulnerability



A close-up photograph of several cocoa pods hanging from a branch. The pods are in various stages of ripening, with colors ranging from deep red to bright orange. The background is a soft-focus green, suggesting a tropical environment.

The Insight

**The problem is
not production.
It is lack of
value capture.**

Farmers sell raw materials → lowest margin in the chain



Our Solution

Community Bioeconomy Hub:



Shared processing
infrastructure



Technical training



Market access

Transforms raw materials into high-value products





Products

* Premium cocoa (nibs, derivatives)

* Plant-based oils

* Cosmetic extracts

* Food & medicinal inputs

Value increase: up to 40x





Innovation



01

Shared infrastructure
model

02

Market-oriented approach

03

Focus on highest value
stage

04

Community-owned value
creation



Pilot - 12 Months



Location: Bahia, Brazil



1.200 direct beneficiaries



Cocoa & Juçara chains





Hypotheses Testing

01

Income increases $\geq 50\%$

02

**Reduced dependency on
intermediaries**

03

**Women & youth inclusion
improves outcomes**



Impact



+50–80% income increase



Youth inclusion



≥50% women participation



Strengthened agroforestry systems





Evidence



- * Baseline data collection
- * Continuous monitoring
- * Comparative analysis
- * Quasi-experimental methods





Scalability

Replicable across:

- Latin America
- Sub-Saharan Africa
- Southeast Asia

Modular + standardized model



Market Opportunity

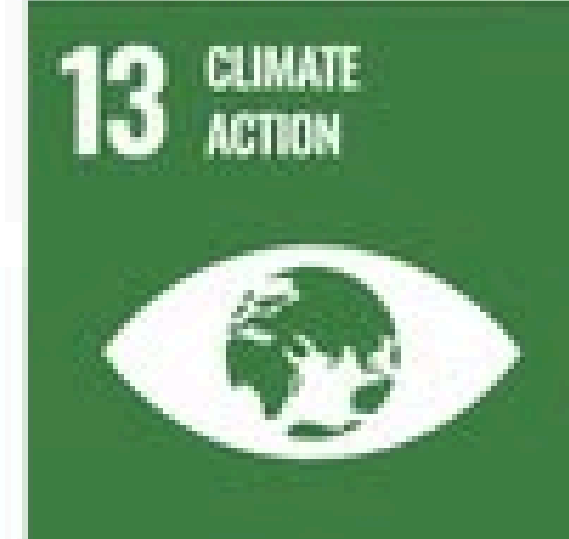
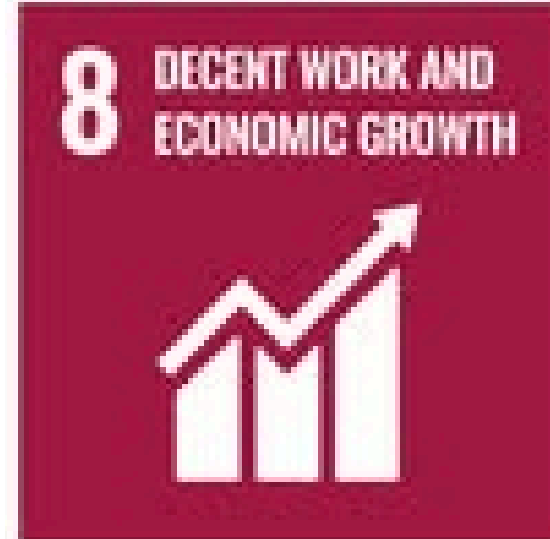
Growing demand for:

- * Sustainable products
- * Traceable supply chains
- * Natural ingredients





SDGs





Why now

- * Global shift to bioeconomy
- * Climate urgency
- * Market readiness





Investment Request

€180,000

12-month pilot

Testing a scalable model for global replication



A black and white bird is perched on a branch, surrounded by dense green foliage. The bird is positioned in the center-left of the frame, facing left. The background is filled with various types of green leaves and branches, creating a lush, natural setting. The lighting is bright, suggesting a sunny day.

**A market-driven solution
for income, inclusion, and
conservation**