

Cultivating Resilience: The Ethiopian Aloe Agribusiness Project

A strategic proposal supporting PSNP 6 Component 1: **Promote Access to Better Jobs and Livelihoods.**

Reference: Project ID No. P511478 | Credit No. IDA79790 & TF DO895

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Aloe transforms climate vulnerability into a sustainable export economy.



The Crop

Aloe is a high-yield, highly profitable, and drought-resistant crop perfectly suited to climate-vulnerable regions. It inherently strengthens resilience to climate shocks.

The Engine

Establishing a localized processing unit adds immense value, transforming raw harvest into high-margin industrial inputs.

The Impact

This farm-to-factory pipeline directly delivers on PSNP 6 goals by creating stable, export-related jobs and sustainable community activities.



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Decades of global agro-industrial execution brought to Ethiopia.

By the Numbers

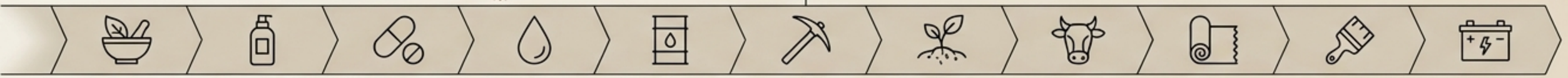
1
30+
Years of global agricultural and industrial experience.

2
40
Agricultural projects developed.

3
28
Industrial processing plants built.

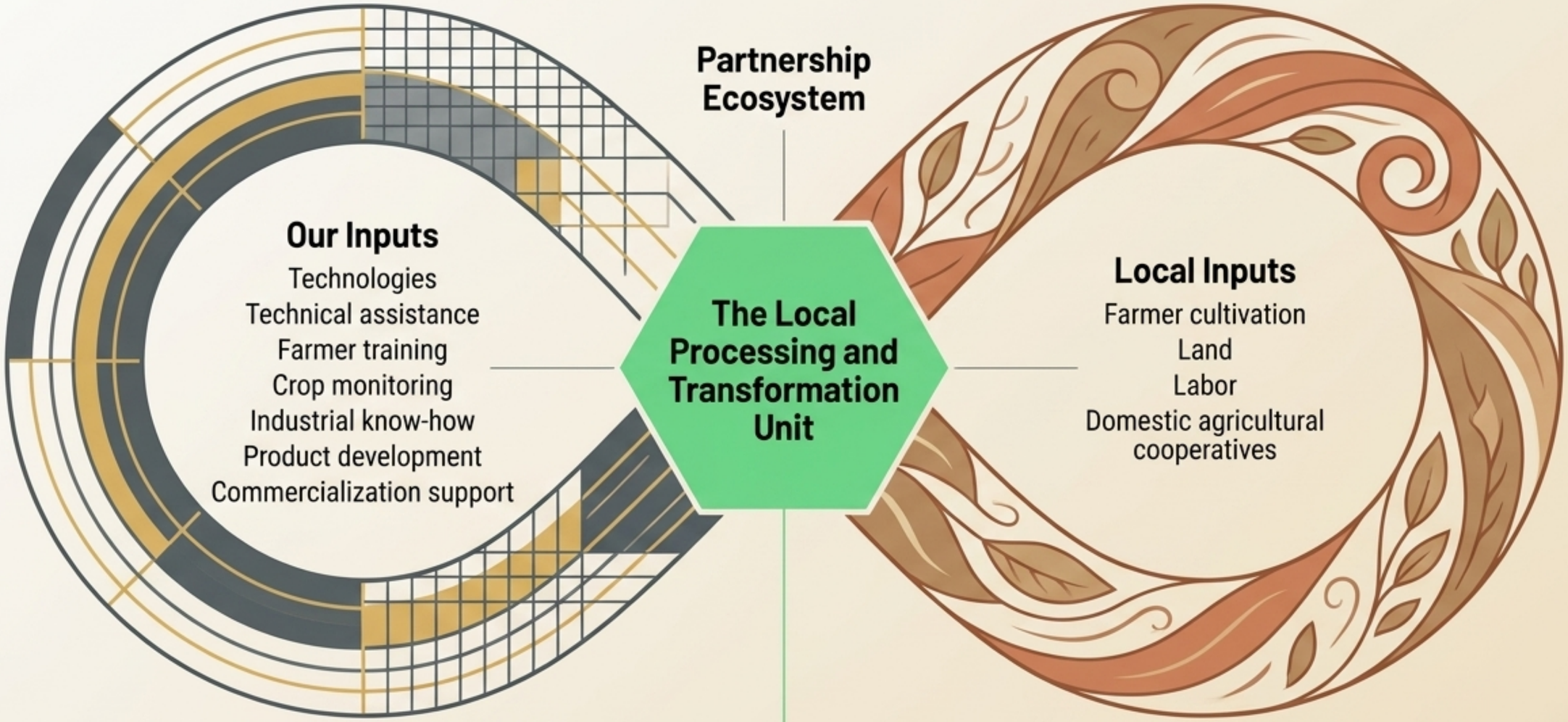
4
4/30
Continents & nearly thirty Countries.

We bring the **technology.** **Ethiopia** brings the land and labor. **Together, we build a new export economy.**



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A proven partnership model uniting global technology with local cultivation

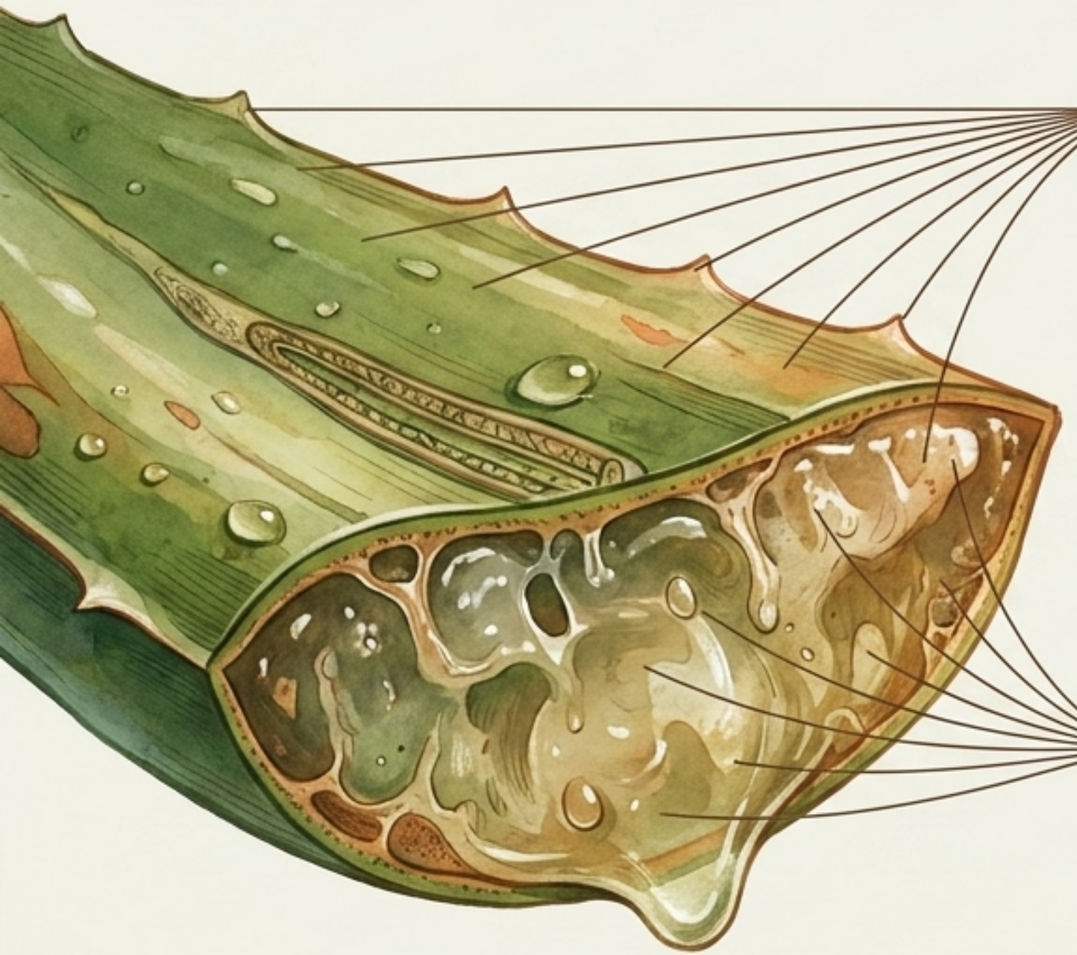


If farmers cultivate the aloe, establishing a local processing unit adds immense value directly to the community.

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Continuing Resilient Green Value Chain

The anatomy of yield: Every layer of the plant drives a distinct industrial value chain.



Outer Layer
(The Rind)

Nutrient- and amino-acid-rich. **Directs to Phase 1 Applications**

- Animal Nutrition
- Biofertilizers
- Fodder

Inner Layer
(Polysaccharides & Gel)

Directs to Phase 2 Applications

- Food & Beverage
- Cosmetics
- Pharma
- Seed Protection

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Value Chain A: Agro-Biostimulants enhance local food security.



Source Material

Nutrient- and amino-acid-rich rind.

The Mechanism

Natural aloe polysaccharides are processed into liquid foliar sprays and soil biostimulants. These form a natural protective film on seeds (like maize), significantly enhancing germination rates in arid regions.

Local Economic Impact

Produced by small communities and marketed directly through domestic agricultural cooperatives to improve drought resistance for local vegetable crops.

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Value Chain B: Functional fodder unlocks highly regulated livestock export markets.







The Product

Leftover rinds are ensiled or dried into functional fodder additives for cattle and poultry.

The Biological Advantage

Natural saponins act as potent, antimicrobial gut-health optimizers.

The Economic Advantage

Improves Feed Conversion Ratios (FCR). This creates a strictly organic pathway that satisfies the rigorous livestock export regulations of lucrative Middle Eastern markets.

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Value Chain C: Scaling the processing facility into high-margin domestic and export sectors

Value Expansion Matrix

Beverage & Nutraceuticals

Process

Diverting single-strength gel (1X) prior to concentration

Output/Market

Formulation of bottled health drinks distributed domestically via Luna's Addis Ababa supermarket network

Private-Label Personal Care

Process

Utilizing 1X liquid or 10X concentrate

Output/Market

Domestic manufacturing of soaps, lotions, and sanitizers for import substitution and local sale

Aloe Gum Exports

Process

Specialized extraction of aloe gum

Output/Market

Serving high demand from Asian customers specifically for pharmaceutical and medical industries

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Integrating agribusiness into the PSNP 6 framework.



The Objective

Formally incorporate this high-yield agribusiness and processing model into Project ID No. P511478.

Immediate Next Steps

Initiate an exchange of ideas to tailor the operational blueprint specifically for Jijiga-area farmers, cooperatives, and domestic companies.

Together, we can transform climate resilience into a highly profitable, job-creating industrial reality for Ethiopia.

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