

# Local Livestock Improvement through Community Breeding Programs

Transforming Ruminant Farming Together

The Local Livestock Improvement through Community Breeding Programs enhances goat and sheep genetics by improving traits like growth, disease resistance, and reproduction. Led by local farmers with expert support, the program uses data to monitor progress and ensure best practices. Supported by governments and donors, it boosts livestock productivity and strengthens community resilience, contributing to food security and economic growth.



**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

**International Livestock  
Research Institute (ILRI)**  
Tunde Amole

Technology from

[ProPAS](#)

Commodities

Small livestock

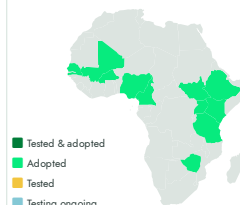
Sustainable Development Goals



Categories

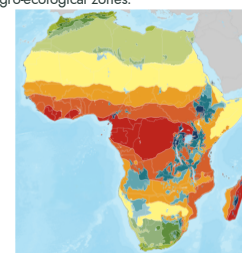
Production, Practices, Seed system

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Breeders



This technology is **TAAT1 validated**.

7.9



Scaling readiness: idea maturity  
7/9; level of use 9/9

Inclusion assessment



Climate impact



## Problem

- Poor genetics and diseases limit small ruminant productivity.
- Mixed herd structure complicates breeding and tracking genetic progress.
- Lack of breeding records hinders genetic management.
- Crossbreeding with exotic breeds yields mixed results.
- Technical skills are needed to establish breeding programs and support breeders.

## Solution

- Improved genetics through structured selection.
- Targeted breeding efforts for specific male breeders.
- Data recording aids informed mating decisions.
- Focus on community-based selection for better outcomes.
- Breeders receive technical support and training.

## Key points to design your project

- The technology improves small-scale farmers' incomes and food security by enhancing small ruminants' productivity and resilience.
- It reduces disease prevalence and fosters economic growth in rural areas.
- The technology promotes climate resilience and supports sustainable land use and biodiversity conservation.
- Steps to integrate the technology:
  - Identify suitable locations for implementation.
  - Evaluate and prioritize breeding stock based on desired traits.
  - Establish clear breeding objectives tailored to community needs.
  - Implement recording systems for tracking breeding data.
  - Select elite animals for breeding and provide technical support to community members.
  - Collaborate with stakeholders to strengthen institutional relations and market linkages.

**15 %**

family income increase



Open source / open access



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<https://taat.africa/gob>

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