Community-Based Breeding Program

Transforming Ruminant Farming Together

This program sets up special herds: a main group with chosen female sheep and goats, plus excellent male sheep or goats. A group of local community members choose and oversee these animals, paying attention to their best qualities. We track progress using measurements, sometimes with special computer tools."

ILRI
INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE

International Livestock Research Institute (ILRI)
Tunde Amole

This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 3

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 %
familly income increase

IP
Open source / open access

Technology from

ProPAS

Commodities

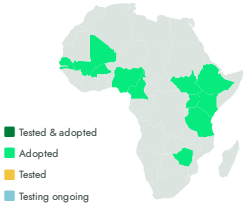
Small livestock

Sustainable Development Goals

Categories

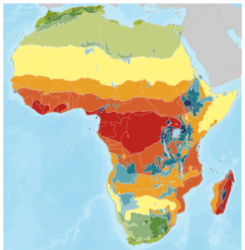
Production, Practices, Seed system

Tested/adopted in



Where it can be used

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



Target groups

Breeders