



Top ranked bucks with their award rosettes in Maksegnit (Gondar) community-based breeding program

## Context

- Several pilot CBBPs have been implemented in Ethiopia since 2010, producing measurable genetic changes and positive livelihood impacts on the communities.
- To reach impact at scale, CBBPs need to cover a larger population and area. Thus, improved genetics produced in the CBBPs need to be disseminated to a wider area through either natural mating or reproductive biotechnologies like artificial insemination.

## Our innovative approach

- Participatory breeding plans are at the heart of CBBPs.
- Innovative reproductive biotechnology tools used to disseminate improved sheep and goat genetics.
- Methodological framework developed to scale CBBPs.
- Facilitation of well-functioning breeder cooperatives identified as a key factor of success.



## POVERTY REDUCTION, LIVELIHOODS & JOBS

# Community-based breeding programs (CBBPs) are being upscaled in Ethiopia and other African countries

- CBBP have resulted in measurable genetic gains and positively impacted livelihoods of the smallholder communities.
- Full package of innovations for outscaling in Ethiopia and elsewhere is being developed.
- Many countries in Africa are adopting CBBPs.



RESEARCH  
PROGRAM ON  
Livestock

Genetics Flagship

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## Outcomes

- CBBP has become the Ethiopia government's strategy of choice for small ruminant genetic improvement. The program was incorporated in the country's livestock master plan, receiving a USD 560,000 investment to upscale across the country.
- The genetic gains and socio-economic successes of the programs have led to their adoption and implementation by various partners in Uganda, Malawi, Liberia, South Africa and Burkina Faso.

## Future steps

- Certification of improved genetics and animal identification systems need to be fully developed for Ethiopia.
- Nation-wide upscaling strategy to be developed and implemented with development partners.
- Application of genomic tools in CBBPs for faster genetic gains.

## Partners

Regional Agricultural Research Institutes in Ethiopia, Ministry of Agriculture, Ethiopia, Tanzanian Livestock Research Institute; NARS in Burkina Faso, Liberia, Malawi, South Africa, Uganda



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