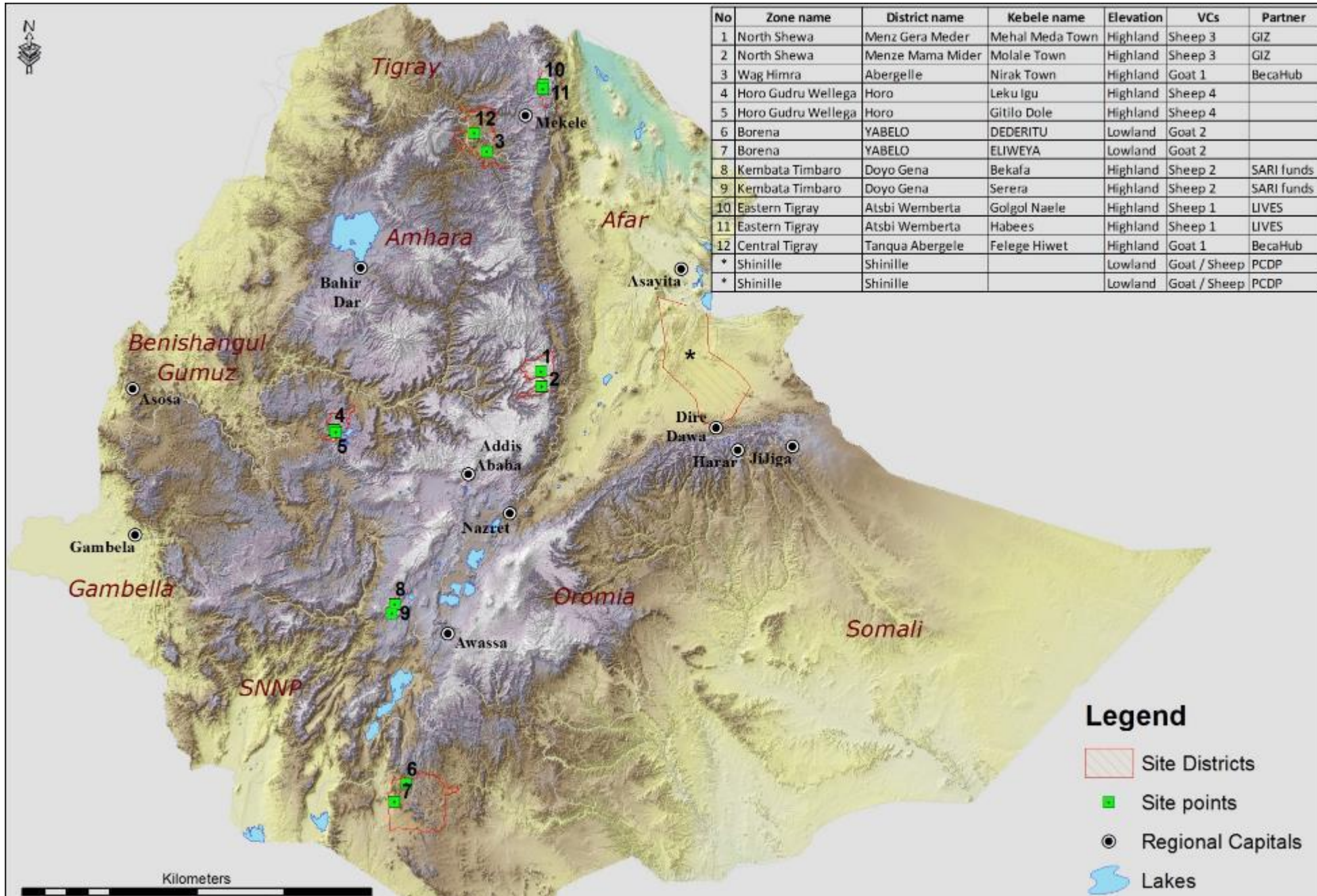# Small ruminant value chain transformation (SmaRT) Ethiopia results and achievements

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SmaRT Ethiopia Project Virtual Stakeholder Meeting, Addis Ababa, 1 November 2021

Consultative process (June-Oct 2012): 7 sheep and goat value chain sites selected

No	Zone name	District name	Kebele name	Elevation	VCs	Partner
1	North Shewa	Menz Gera Meder	Mehal Meda Town	Highland	Sheep 3	GIZ
2	North Shewa	Menze Mama Mider	Molale Town	Highland	Sheep 3	GIZ
3	Wag Himra	Abergelle	Nirak Town	Highland	Goat 1	BecaHub
4	Horo Gudru Wellega	Horo	Leku Igu	Highland	Sheep 4	
5	Horo Gudru Wellega	Horo	Gitilo Dole	Highland	Sheep 4	
6	Borena	YABELO	DEDERITU	Lowland	Goat 2	
7	Borena	YABELO	ELIWEYA	Lowland	Goat 2	
8	Kembata Timbaro	Doyo Gena	Bekafa	Highland	Sheep 2	SARI funds
9	Kembata Timbaro	Doyo Gena	Serera	Highland	Sheep 2	SARI funds
10	Eastern Tigray	Atsbi Wemberta	Golgol Naele	Highland	Sheep 1	LIVES
11	Eastern Tigray	Atsbi Wemberta	Habees	Highland	Sheep 1	LIVES
12	Central Tigray	Tanqua Abergele	Felege Hiwet	Highland	Goat 1	BecaHub
*	Shinille	Shinille		Lowland	Goat / Sheep	PCDP
*	Shinille	Shinille		Lowland	Goat / Sheep	PCDP

SmaRT pack sites:
Doyogena sheep
Bonga sheep
Menz sheep
Abergele goats

Legend

Site Districts

Site points

Regional Capitals

Lakes

Steps in value chain development

Start of CRP Livestock and Fish Jan 2012

1. Inception Workshop for Smallholder SR Value chain development (June 2012)

2. **Consultative site selection process** (June-Oct 2012)

3. State of the Art reviews of SR feeding, fattening, health, sheep and goat research and development projects (July 2012-Dec 2014)

4. **Site-level rapid Value Chain Analysis** and Rapid Integrated Food Safety assessments (Nov 2012-May 2013);

5. FEAST and TechFit assessments in highland value chain sites (Nov 2013-May 2014)

6. **Multi-stakeholder meetings** for prioritization and planning of site-specific interventions and research (March and April 2013)

7. Quantitative VCA/baseline in seven sites (Jan 2014-March 2015)

Steps in value chain development

8. Situation Analysis (March-May 2014);

9. Developing research and development partnerships for implementing prioritized interventions (Oct 2012-Dec 2021)

10. **Testing, Implementation and Evaluation of prioritized best-bet interventions** and complimentary Cap Dev (July 2013 till Nov 2021);

11. Theory of Change and impact pathways for Ethiopian SRVC (Feb 2014, Feb-March 2015)

Start of CRP Livestock Jan 2017

12. Midline survey in four VC sites Jan–May 2018

13. Development of business models and financial feasibility (July-Oct 2018)

14. Theory of Change for SmaRT Pack (May 2019)

15. **Testing of integrated package of proven best-bet interventions = SmaRT pack (June 2019-Dec 2021)**

Objective and vision of SmaRT-Ethiopia

<u>Objective</u>: to improve the performance of sheep and goat meat value chains in Ethiopia and in doing so to improve livelihoods, incomes and assets, particularly of women, through increased productivity, reduced risk and improved market access along the value chain.

<u>Vision:</u> By 2021, people in Ethiopia benefit from equitable, sustainable and efficient sheep and goat value chains: *their animals are more productive, livestock markets work for producers, consumers and business, there are more, more affordable and healthier small ruminant products, and the livelihoods and capacities of people involved in the whole chain are improved."*

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Vision: Equitable, sustainable and efficient small ruminant value chains benefiting all actors

Intervention	Short–medium term	Medium-long term changes	Longer term changes

Producers

- Change in knowledge, attitude, and skills towards integrated intervention package (SmaRT Pack)
- Improved knowledge and skills in small ruminant management practices among female and male producers

- Small ruminant producers (male and female, equitably) adopt SmaRT Pack
- Enhanced collective action through organized communities (e.g. cooperatives) with men and women benefiting equally

- Sustainable increase of small ruminant productivity through improved genetics, feed and health while lowering environmental footprint
- Continuous supply of small ruminants and their products

Increased income for farmers

Input & Service providers

- Development Agencies (DAs)/Public and private input and service suppliers have the knowledge, skills and tools to promote and support implementation of SmaRT Pack
- New and current private input suppliers & service provider take up identified opportunities for market-oriented services and inputs
- Micro-financing institutes (MFI) are taking interest in supporting SmaRT pack investments

- DAs/etc. use extension methods and support implementation of SmaRT Pack
- New and current private input suppliers & service providers operating successful businesses
- MFI operating successful businesses supporting producers

- Implementation support and promotion of SmaRT Pack is fully integrated in the extension system
- Improved uptake of SmaRT pack and new farmers outside project move towards SmaRT pack
- Businesses grow and reach more people outside the project villages

Functional community- and district-level platforms make private and public services and input supplies available for farmers

Gender

- Improved knowledge and change in attitude towards harmful practices by male and female producers, service providers and cooperative leaders
- Change in actor knowledge & attitude; including leadership skills among women

- More women members and women taking on leadership positions in cooperatives
- Women taking part in providing & receiving information, active in decision-making
- More equitable division of labour

- Women actively participating in the whole VC -empowered by equitable access to services and higher involvement in decision-making

Policy

- Knowledge of higher officials about SmaRT pack improved and they are supportive

- SmaRT Pack included in annual workplans of NARS partner centers and extension and jointly implemented

- National and regional Government and politicians fully support SmaRT Pack

SmaRT pack becomes part of development strategy of the government

SMALL RUMINANT VALUE CHAIN TRANSFORMATION

Developing an integrated package of interventions to support sheep and goat value chain actors

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FIELD RESEARCH

to develop, test and evaluate technical and institutional innovations across CRP flagships

THE CHALLENGE
Poor Value chain performance:

- Low animal productivity
- Small herds in the highlands
- High market demand but low supply
- Lack of inputs and services

Sheep and goat genetics
Community-based breeding program, data management, low input AI, dissemination models, certification

Herd health package
(Golden egg on Health)
Disease control through vaccinations and scheduled deworming campaigns

Improved feeding strategies
Strategic supplementation & balanced feeding, low input fattening, local forages

Marketing
Collective action, market information, market facilities

Gender capacity development and transformation
Capacity development tools, community conversations

SmaRT PACK

SUCCESS FACTORS

- Multi-stakeholder workshops to prioritize research and forge partnerships
- Site level value chain, feed and gender assessments conducted
- Community-based and participatory approaches

FACILITATING AN ENABLING ENVIRONMENT
Farmer cooperatives, communities of practice, policy support

GOAL
Better performing sheep and goat meat value chains

EXPECTED OUTCOMES
- Small ruminant producers adopt SmaRT Pack
- Women value chain actors empowered
- Service suppliers linked to producers and support SmaRT pack
- National and regional governments are aware and support scaling

EXPECTED IMPACTS
- More productive animals
- Higher incomes for men and women
- More jobs
- Reduced poverty

SmaRT pack components

Livestock genetics:

- Ensure access to improved SR genetics
  - CBBP in selected 'breeder' villages
  - Production villages: Introduce breeding sires from neighboring CBBP (rams and AI), establish breeders, improve ration sires to ewes/does to increase lambing/kidding rates
- Certification of breeding rams
- Pregnancy diagnosis service for improved herd management

SmaRT pack components

Livestock health:

1. Integrated Herd Health Approach to Reduce the Impact of **Respiratory Disease** in Small Ruminants in Ethiopia
2. Improving **Reproductive Performance** of small ruminants
3. Community-based control of gastrointestinal tract (GIT**) parasites**
4. **Coenurosis** control

SmaRT pack components

<u>Feeds & Forages</u>:

- Strategic supplementation and balanced feeding to enhance ewe and doe reproductivity (interface with breeding and health FP) .
- Evaluate local forage-based options for strategic supplementation and fattening
- Entrepreneurial opportunities for sheep fattening (specifically targeting youth groups and women)

SmaRT pack components

LLAFS:
- Marketing models for four sites that combine CBBP and fattening
- Facilitate collective action for marketing

Gender:
- Gender capacity development (GCD) of research & development partners
- Community conversations (CCs) to improve gender capacities at HH and community level and to transform constraining gender relations in livestock production (interface with Animal Health, F&F and Genetics)

A new component

Livestock & the Environment:
- Improved management systems for communal grassland in the Highlands

Cross-cutting activities

Youth components:

- Support youth group for sheep fattening
- Young SmaRT pack enumerators (service providers)

General

- Better integration though intervention calendar integrating all elements from the different flagships
- Establish and strengthen Community of Practices to enable uptake of SmaRT pack
- Link up with ILRI project HEARD to improve access to veterinary services
- Work closer with existing providers of supplies and services incl. development agents)

Evaluations

- **Environmental impact assessment (CLEANED)**
- Consumer demand for certified animals (willingness to pay)?
- Impact assessment for SmaRT pack (only baseline)
- Evaluation of impact of Gender Cap Dev
- KAP assessments related to Community conversations
- KAP assessment around Theory of Change (KIT)
- **Scaling plan**

Success factors

- Ownership of the regional and local research center

- Strong commitment of local actors

- Targeted capacity development

- Good coordination of research and development at the sites

- Joint learning leading to local solutions

- The more successful we are in improving productivity, the more important are sustainable market linkages and better input supplies and services

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Key factor: Strong Partnerships & champions

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