**Striking the balance: An innovative approach to enhance efficiency of the beef value chain through improving rangeland management in Botswana**

**FA1 - pilot project**

- **What problems / opportunities does the component solve / respond to?**
  - Low meat productivity
  - Bush encroachment, land degradation, biodiversity erosion
  - Increasing income from tourism through a sustainable competitive beef production

- **What are the components proposed solutions to the problems / opportunities?**
  - Integrated bush encroachment and invasion management to improve meat production

- **Who are the component’s clients, and how will the component market / ‘sell’ its services/products to them?**
  - Government: Dev. of Integrated weed control Management (IWM) and a novel marketing approach to turn invader bush into a marketable commodity for the livestock sector and wildlife
  - Livestock. value chain actors willing to buy animals from farms applying IWM and that are turning invader bush salable commodity
  - Tourism industries interested in paying for balanced ecosystem services
  - Donors supporting sustainable rangeland managed as a natural ecosystem for grazing livestock and wildlife habitat.

- **What is the component’s added-value?**
  - Twofold proof of concept: (1) development of a novel method to address bush encroachment in order to balance livestock production with the environment and wildlife; (2) concept with replication potential in communally grazed lands/ranches
  - Support to multi-stakeholder engagement

- **What are the component’s key activities?**
  - Project preparation: expert workshops & multi-stakeholder consultations, technical assessment and development of methodological approach
  - Project implementation:
    - Identify rangeland management systems in different livestock systems and IWM technologies
    - Develop an innovative approach to turn invader bush into a salable commodity with a market value
    - Economically and environmental valuation of IWM technologies under different livestock management systems
    - Capacity building e.g. training of extension workers, farmers etc.

- **What are the component’s estimated capital and resource requirements?**
  - 60 K (USD) for the finalization of project preparation
  - 500K (USD): during implementation, monitoring and evaluation
Reducing efficiency gap in the sheep value chain through a sustainable fattening system and smart marketing in Ethiopia

FA1 - pilot project

What problems / opportunities does the component solve / respond to?

• Low productivity of small ruminants
• Shortage of meat supply at national level
• Farmers receive unfavorable prices for their animals due to production and market inefficiencies

What are the components proposed solutions to the problems / opportunities?

• Designing intervention strategies for sheep fattening aimed at optimizing feed utilization efficiency
• Smart marketing along the small ruminants’ value chains including contracting arrangements

Who are the component’s clients, and how will the component market / ‘sell’ its services/products to them?

• Government: Growth and transformation plan of the Ethiopian Government targets to double meat production in five years
• Export abattoirs (currently operate at 30% capacity) through greater quantity and reliable supply of animals
• Support to multi-stakeholder engagement
• Proof of concept with replication potential in different production systems

What are the component’s key activities?

• Project preparation: technical assessment and multi-stakeholder consultations
• Implementation:
  • Development of a fattening systems tool and sustainable feeding technologies
  • Technical Interventions
    – Measurement of lamb fattening performance and carcass quality by breed and feed technologies
    – Testing of feed rations that maximize feed conversion ratio
    – Testing for the performance of various breed types (indigenous, crosses) and their market potential
  • Qualitative and quantitative data collection on market information communication & related market animal performance analyses
  • Facilitation of negotiation between farmers and buyers through contracting

What are the component’s estimated capital and resource requirements?

• 50K (USD) for the project preparation
• 500K (USD) during implementation: monitoring and evaluation