



EDUARDO MONDLANE UNIVERSITY

CENTRE OF EXCELLENCE IN AGRI-FOOD SYSTEMS AND NUTRITION IN
COLLABORATION WITH HIGHER POLYTECHNIC INSTITUTE OF GAZA (ISPG) AND
HIGHER POLYTECHNIC INSTITUTE OF MANICA (ISPM)

CALL N° 02/2025

June 16th, 2025

CALL FOR SUBMISSION OF PROPOSALS:

COMUNITY ACTION RESEARCH PROJECTS (CARP-E) FOR ENTERPRISE CREATION,
INCUBACTION AND BUSINESS SPIN-OFFS

Title: **Livestock Production Systems and Advisory Services**

1. Background

Livestock production is a cornerstone of rural livelihoods, food and nutrition security, and socio-economic development in Mozambique. With diverse agro-ecological conditions, abundant natural pastures, and a strong tradition of animal husbandry, the livestock subsector holds significant potential for economic growth and poverty reduction (MINAG, 2009)¹. Livestock contributes to income diversification, agricultural productivity through animal traction and manure, and food security, while playing a vital social role in rural communities. Despite this potential, the sector remains underdeveloped due to persistent challenges. Key constraints include the high cost and limited availability of quality animal feed, often imported and unaffordable for smallholder farmers (IFAD, 2020)². Limited access to veterinary and advisory services,

¹ Ministry of Agriculture (2009). *Strategy for the Development of the Livestock Sub-Sector 2010-2015*. Maputo: MINAG.

² IFAD (2020). *Agricultural Sector Assessment Mozambique*. International Fund for Agricultural Development.

particularly in remote areas, leads to high animal mortality and poor health management. Weak market linkages and fragmented value chains further hinder commercialization and investment (World Bank, 2022)³. Women and youth, who are critical to the livestock workforce, face additional barriers such as limited access to resources, credit, and decision-making opportunities, undermining inclusivity (CARE, 2019)⁴. Climate variability, including droughts and disease outbreaks, exacerbates these challenges, necessitating resilient and adaptive systems (USAID, 2021)⁵.

Emerging opportunities for innovation offer pathways to transform the sector. Technologies such as locally sourced feed production, small-scale feed processing units, mobile veterinary services, and digital advisory platforms are improving access, efficiency, and profitability (ILRI, 2020)⁶. These solutions can reduce reliance on imports, lower costs, and enhance service delivery for rural farmers.

This call for proposals seeks to identify and support innovative, scalable models to strengthen livestock production systems and advisory services in Mozambique. It encourages solutions that promote cost-effective feed production, enhance veterinary and advisory access, build inclusive market systems, and drive rural development with a focus on sustainability, gender equity, and climate resilience. Projects must result in enterprises that address specific constraints, respond to community needs, and engage stakeholders to support business development. These enterprises may be owned by communities, cooperatives, entrepreneurs, or university affiliates. Proposals should identify targeted value chain gaps and existing enterprises addressing similar needs.

Applicants are encouraged to propose solutions that:

- Utilize local materials for feed innovation to reduce production costs;
- Expand mobile or digital veterinary and advisory services to underserved areas;
- Strengthen livestock value chains through market integration;
- Empower women and youth through inclusive business models;
- Promote climate adaptation in livestock production systems;
- Translate research innovations into viable enterprises to expand work opportunities.

³ World Bank (2022). *Mozambique Agriculture Public Expenditure Review*. Washington, DC: World Bank Group.

⁴ CARE (2019). *Gender and Agriculture in Mozambique: A Policy Review*.

⁵ USAID (2021). *Climate Risk Profile: Mozambique*. United States Agency for International Development.

⁶ ILRI (2020). *Livestock and Digital Innovation: Emerging Solutions for Africa*. International Livestock Research Institute.

This call aims to unlock livestock's potential as a catalyst for improved livelihoods, enhanced food security, and vibrant rural economies in Mozambique.

2. Thematic Areas

Thematic Area 1: Livestock Feed Innovations, Production and Commercialization

This theme addresses feed quality, affordability, and local production constraints. Proposals may include:

- Development, promotion and sale of feed formulations using local crop residues and agro-industrial by-products.
- Develop businesses using Digital tools for feed optimization and cost reduction.
- Small enterprises that promote or sell or utilize Climate-resilient fodder production using drought-tolerant species.

Thematic Area 2: Mobile Veterinary Services in Rural Communities

This theme focuses on overcoming the lack of veterinary services in rural areas. Proposals may include:

- Enterprise promoting or operating Mobile vet clinics and tele-veterinary services.
- Enterprise using Drone-based vaccine or supply distribution models.
- Community-led veterinary service franchises or subscription models to generate income and provide services
- Enterprises that provide Climate-smart livestock health training for local agents as social enterprises (by obtaining funding from government or donors, or payment by potential agents for their training).

Thematic Area 3: Livestock Breeding and Genetic Improvement Programs

This theme seeks to enhance productivity through improved animal genetics. Proposals may include:

- Community-based breeding programs that can sell the services to members.
- Artificial insemination units and technician training that sell their services
- Cross-breeding programs for disease-resistant or climate-resilient livestock as part of a university or other enterprise.
- Performance tracking apps or genetic information systems that can be sold to cooperatives, breed associations, development agents and others.

Thematic Area 4: Climate-Resilient Pasture and Grazing Management

This theme targets the restoration and sustainable use of natural rangelands. Proposals may include:

- Regenerative grazing systems and rotational grazing.
- Community-managed pasture improvement initiatives.
- Agroforestry-livestock integration models that are developed as an enterprise.
- Soil and water conservation innovations linked to grazing.

Thematic Area 5: Inclusive Livestock Value Chain Development and Market Access

This theme aims to integrate smallholders into profitable livestock markets. Proposals may include:

- Establish enterprises or facilities to provide Aggregation hubs, cold chains, or processing facilities for meat, milk, and eggs.
- Small business providing Market information systems and price transparency platforms
- Service business providing Branding and certification of local livestock products.
- Contract farming or inclusive businesses with private sector partners.

Thematic Area 6: Capacity Building and Digital Advisory Systems for Livestock Farmers

This theme supports digital innovations in training and extension. Proposals may include:

- Mobile apps or IVR services providing livestock production advice.
- Gamified training modules for youth and women livestock keepers.
- eLearning platforms for animal health and farm business management.
- Farmer-to-farmer learning networks using digital and offline methods.

Thematic Area 7: Value-Added Livestock Product Processing and Commercialization

This theme focuses on developing enterprises that process livestock products to add value, reduce post-harvest losses, and enhance market access. Proposals may include:

- Small-scale processing units for dairy products (e.g., yogurt, cheese) or meat products (e.g., sausages, cured meats);
- Sustainable packaging solutions for livestock products to extend shelf life;
- Branding and certification initiatives to improve marketability of local livestock products;
- Enterprises utilizing by-products (e.g., hides, bones) to generate additional income.

3. Who should apply

This call invites faculty members (Principal Investigators, Lecturers and researchers) from Eduardo Mondlane University (UEM), Higher Polytechnic Institute of Manica (ISPM), and Higher Polytechnic Institute of Gaza (ISPG) to submit proposals that align with the thematic areas outlined above.

4. Application Requirements:

- Be a Principal Investigator, Lecturer or Researcher of UEM, ISPM and ISPG.
- Technical and financial proposal: Refer to Annex 1.
- Curriculum Vitae.

5. Schedule of Activities.

Table 1. Schedule of Activities

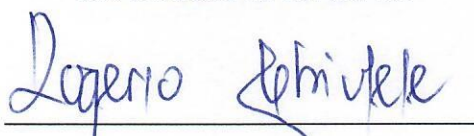
Activity	Period/Date
Submission of proposals	16 to 30 June, 2025
Evaluation and Selection	1 ST to 3 rd July, 2025
Publication of results	July 4 th , 2025
Implementation period	July to December 2025

6. Budget

- Each selected project will receive funding of up to USD 15,000.

Application documents must be submitted to the following email address: dir.ceafsn@uem.mz by June 30th, 2025. The same email can be used for further details or additional information about the process. Details regarding the terms of reference and application forms can be accessed in the following website: www.ceafsn.uem.mz.

The Director of CE-AFSN


(Prof. Doutor Rogério Marcos Chiulele)

ANNEX 1:

1. CARP-E application form
2. Entrepreneurs/start-ups application form and with the Costing Excel.

Available in www.ceafsn.uem.mz