

LIVESTOCK AT THE HEART OF THE CIRCULARITY OF TERRITORIES

Livestock production is essential for the subsistence and food security of rural households in many parts of the world. However, the livestock farming model based on high levels of inputs and linear exchanges is being questioned (FAO, 2009). It is necessary to rethink livestock farming to address environmental challenges while maintaining its central role in territorial development. Circularity applied at a territorial level can offer adequate responses to tackle both environmental and developmental issues *via solutions* such as reducing the importation of fertilizers and animal feed, carbon sequestration in grasslands, co and by-product recycling while empowering local communities (van Zanten et al., 2019; Muscat et al., 2021).



INTERDISCIPLINAR AND MULTI-LEVEL



Farming systems

Characterization of farming and feeding practices, identification and evaluation of forages



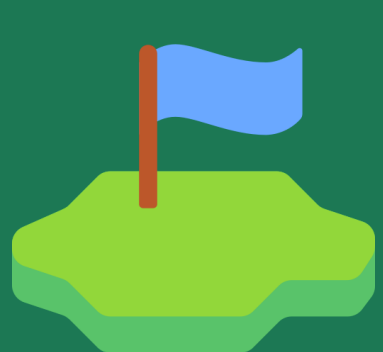
Socio-Economic

Diagnosis of technical, socio-economic and governance barriers for the implementation of technical and organizational practices to improve circularity



Territorial Metabolism

Mapping and quantification of biomass flows within the territory. Analysis of trade-offs and distribution of these flows



Life Cycle Assessment

Analysis of the environmental impacts of goods and services related to the production, distribution, and utilization of biomasses in connection with livestock farming in the territory



Integrative and participative

Combine Territorial Diagnostics, sharing of outputs, organizing participatory workshops, and co-designing solutions

1- CHARACTERISE
TO UNDERSTAND

3- CO-CREATE TO
TRANSFORM

2- MODEL TO
ASSESS

AN INTEGRATIVE AND TRANSFORMATIVE TOOLBOX

The CLiMiT project is based on three complementary guiding principles: characterization, modeling, and co-designing. It aims to develop a Toolbox supported by an interdisciplinary and multi-level approach, following an integrative logic with a transformative goal. Through a multidisciplinary diagnosis, our objective is to assess the main resources and flows to facilitate the co-creation of circular solutions tailored to the specificities of the territory and compatible with environmental concerns. Additionally, we will provide support to local partners in implementing co-designed solutions. In a later phase, the Toolbox will be enhanced and extended to other Indian Ocean territories.