CLUSTER 2: LIVESTOCK
Building a Climate-Resilient & Sustainable Livestock Sector in Mauritius

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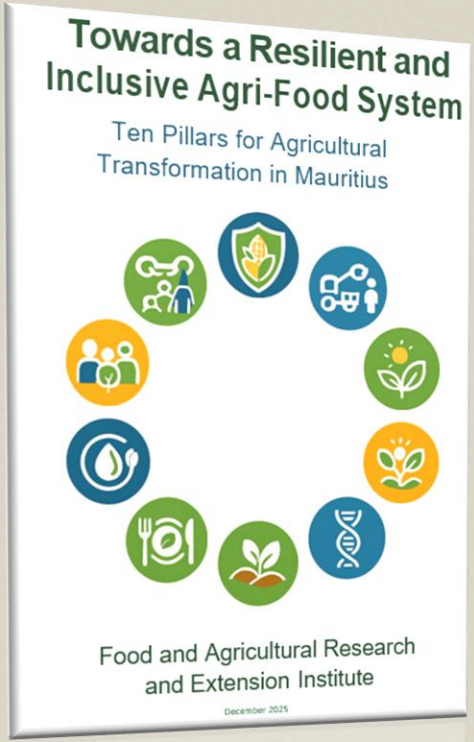
Policy Alignment and Themes



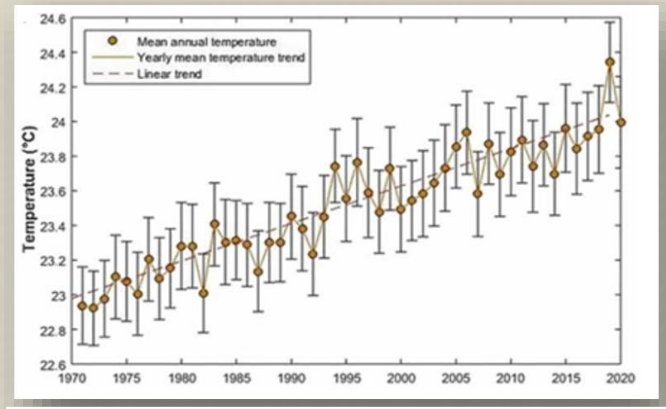
Climate Resilience, Adaptation and Disaster Preparedness

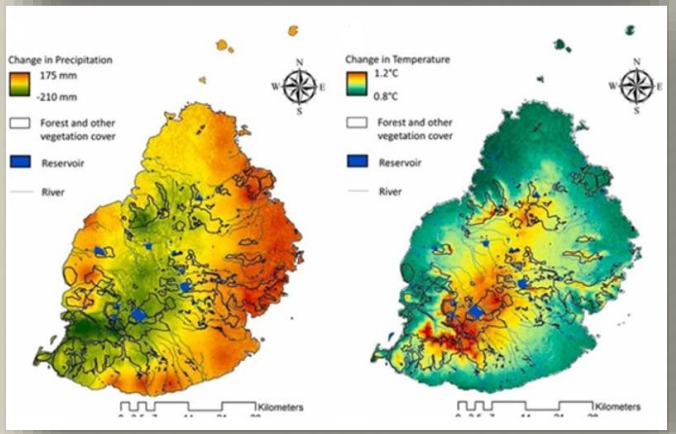
Focusing on strengthening infrastructure to withstand extreme weather events while building capacity for rapid recovery and longterm adaptation

Regenerative and Sustainable Livestock and Emission Reduction

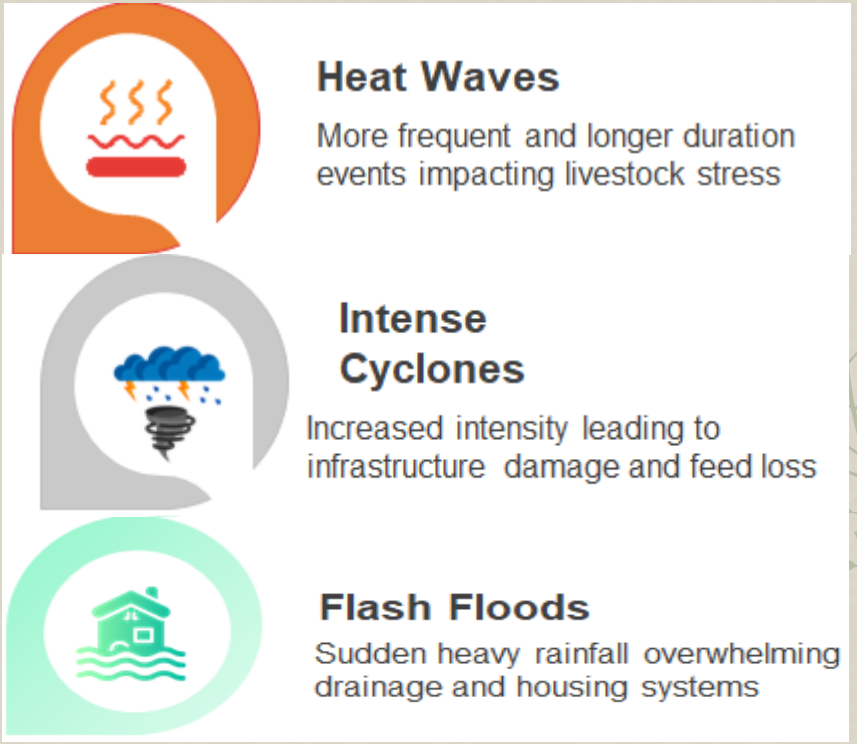
Implementing practices that restore soil health and biodiversity while simultaneously reducing greenhouse gas emissions from livestock operations

Climate change: Evidence





J. Doorga, 2022. Climate change and the fate of small islands: The case of Mauritius



Challenges

Climate Extremes

Cyclones, floods and heat stress.

Resource Scarcity

Water stress, feed/forage shortages.

Market disruption

Supply chain volatility, access issues

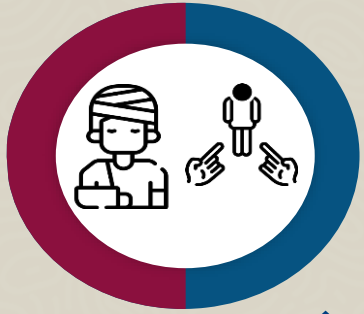
Farmer Exposure

Limited insurance, slow recovery.

Dual Role of Livestock

The Victim

- Productivity Losses & increased Mortality
- Severe Heat loss
- Rising Disease pressure & vectors



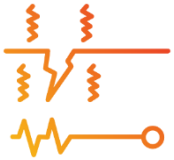
The Contributor

- Enteric Methane Emissions
- Manure Management Emissions
- Carbon Footprint of imported feed

Opportunity

Targeted actions can reduce emissions and increase resilience simultaneously

Domains of Interventions



Early Warning Systems

Water-Smart Agriculture

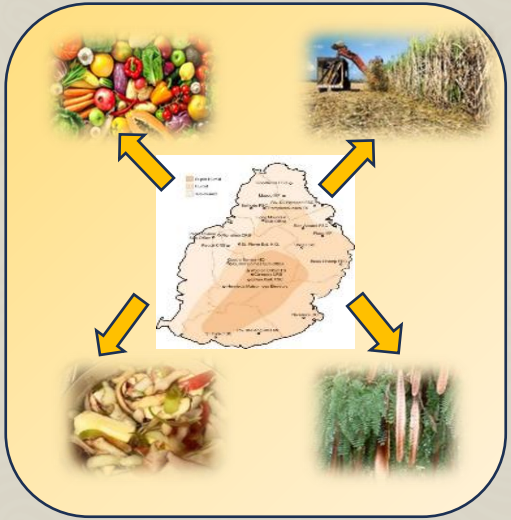
Circular Economy Models

Insurance & Emergency Reserves

Proposed Flagship Interventions (I)

Local feed mapping & alternative proteins: to Reduce Imports

Local Feed Resources



Alternative Feed Resources

Precision Farming

Proposed Flagship Interventions (II)

Manure-to-energy & waste valorization: Circular solutions for waste management and soil health

Biogas systems

Composting and soil amendment

Proposed Flagship Interventions (III)

Integration of Crop & livestock integration: Mixed Farming, silvopasture, closed-loop system

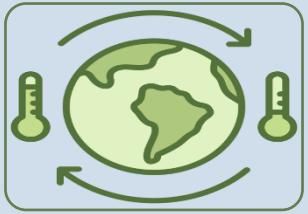
Mixed systems

Closed nutrient Loops

Diversified income

The Vision – Mauritius 2030

A Future Where Our Livestock Sector Is:

Climate-Resilient	Regenerative	Self-reliant	Market-smart	Farmer-centered
				
Withstands shocks, protects farmers & supply	Enhances soil health and fertility, recycles nutrients, recycle waste, cuts emissions	Local feeds, renewable energy, circular systems	Sustainability-labelled products, consumer trust	Policies and support are primarily directed to the farmer

Together, we can build a livestock sector that is resilient, regenerative, and ready for the future.