

Ecosystem Based Adaptation and Mitigation in Botswana's Communal Rangelands



For Ecosystem and Livelihood Resilience

Presentation Outline

- **Background Information**
- **Goals and Objectives**
- **Project scope**
- **Budget**
- **Project Impact**
- **Implementation Phases**
- **Ministries and stakeholders**
- **Conclusion**



Challenge in communal rangelands & wildlife-livestock interface

The problems are complex, dynamic and multidimensional
YET

The solution is simple and practical & traditionally acceptable

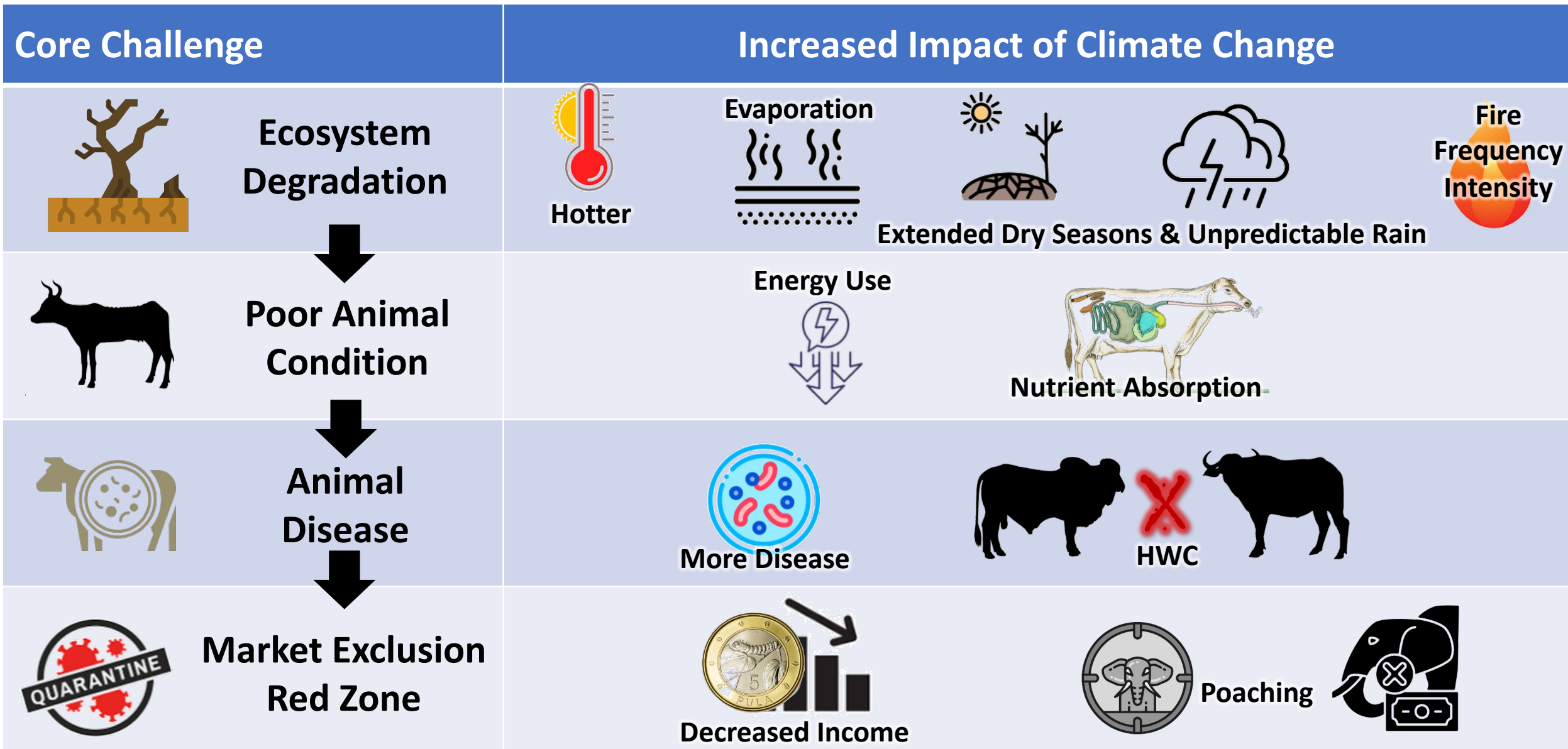
Strategic Herding & Kraaling

HERDER EMPLOYMENT FOR
ECOSYSTEM RECOVERY
& ECONOMIC ACTIVITY

Herding 4 Health Programme



Adaptation to the Impact of Climate Change



Project Objectives



Component 1 Strengthening
Institutions and Support Systems

**Ecosystem-based
Adaptation and
Mitigation**

Component 2
Regenerative Grazing

Component 3
Green Livestock Value Chain





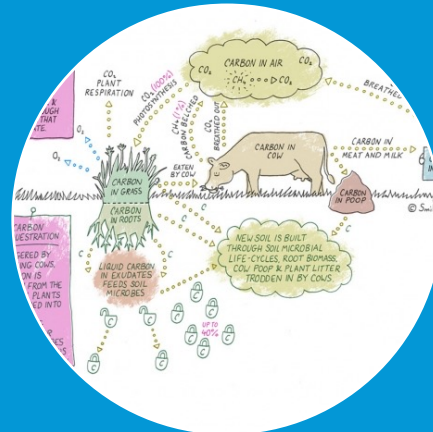
Green Job Creation

**6000 Ecorangers,
Restoration
Workers and
Monitors
Employed**



Restoration of Rangelands

46,000km²



Emissions reduction

**21.1 MtCO²eq
emissions
avoided**



Sustainable economic development

**Household Income
Improvement &
Value Chain
Transformation
benefitting 247,000**

Building resilience to climate change

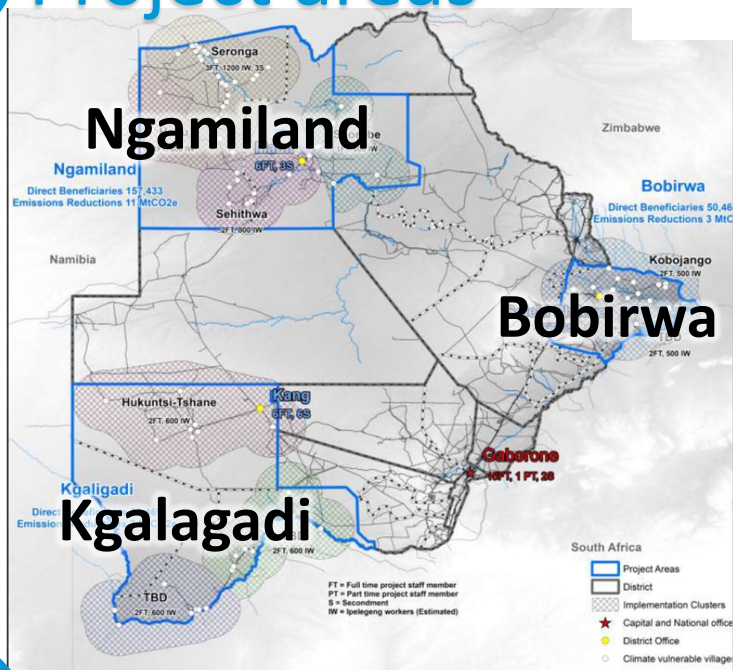
SCOPE

IMPACT

8 years

104 Villages

3 Project areas



4.6 million

Ha of Rangelands under improved management

247,000

Direct Beneficiaries
(54% Women)

2.3 million

Indirect Beneficiaries

4.7 million

tCO₂ reduction
(21.5M over 20 years)

47%

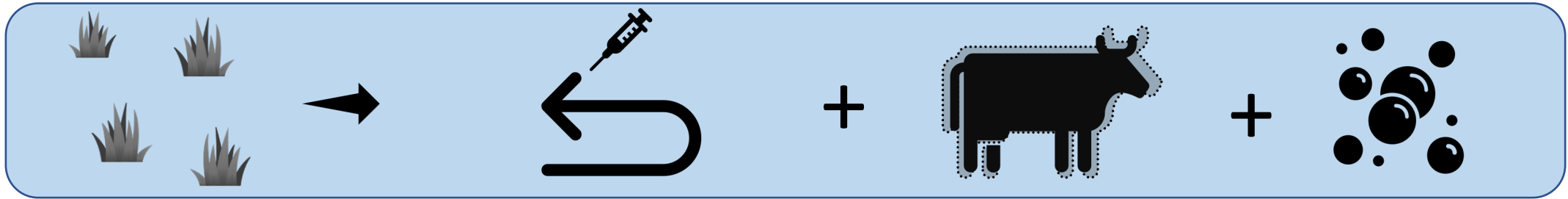
of National 2030
Emission Reduction
Target (NDC)

Output		GCF Budget (P)	GoB Budget (P)
Component 1: Strengthening Institutions and Support Systems			
1.1	Equitable Structures & Systems	58,528,392	
1.2	Job Creation Programme & Veterinary Services Investments	49,509,792	
1.3	Rangeland Management Curriculum Development & Operationalisation	27,988,752	
1.4	Operationalisation of Rangeland Monitoring System	28,650,072	
1.5	Improve GoB Policy Initiatives on Climate Change Management	670,368	
Component 2: GHG Emissions Reductions and Improved Livelihoods			
2.1	Jobs Creation & Resourced Social Safety Net Programmes		648,156,000
2.2	Ecosystem Rehabilitation and Improved Land Management	174,986,016	
Component 3:			
3.1	Building Enabling Conditions for Improved Low-Emissions Value Chain and Economic Resilience	40,725,468	
3.2	Private Sector Partnerships & Sustainable Financing	10,958,508	
	TOTAL	447,876,000	648,156,000

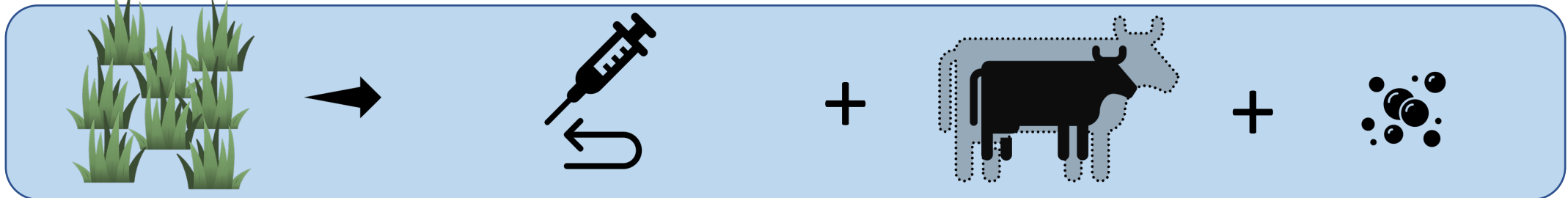
LIVESTOCK CARBON FLOW (SIMPLIFIED)

What are the essential livestock carbon and energy flows and how might they change?

BAU



Project



Rangeland
condition

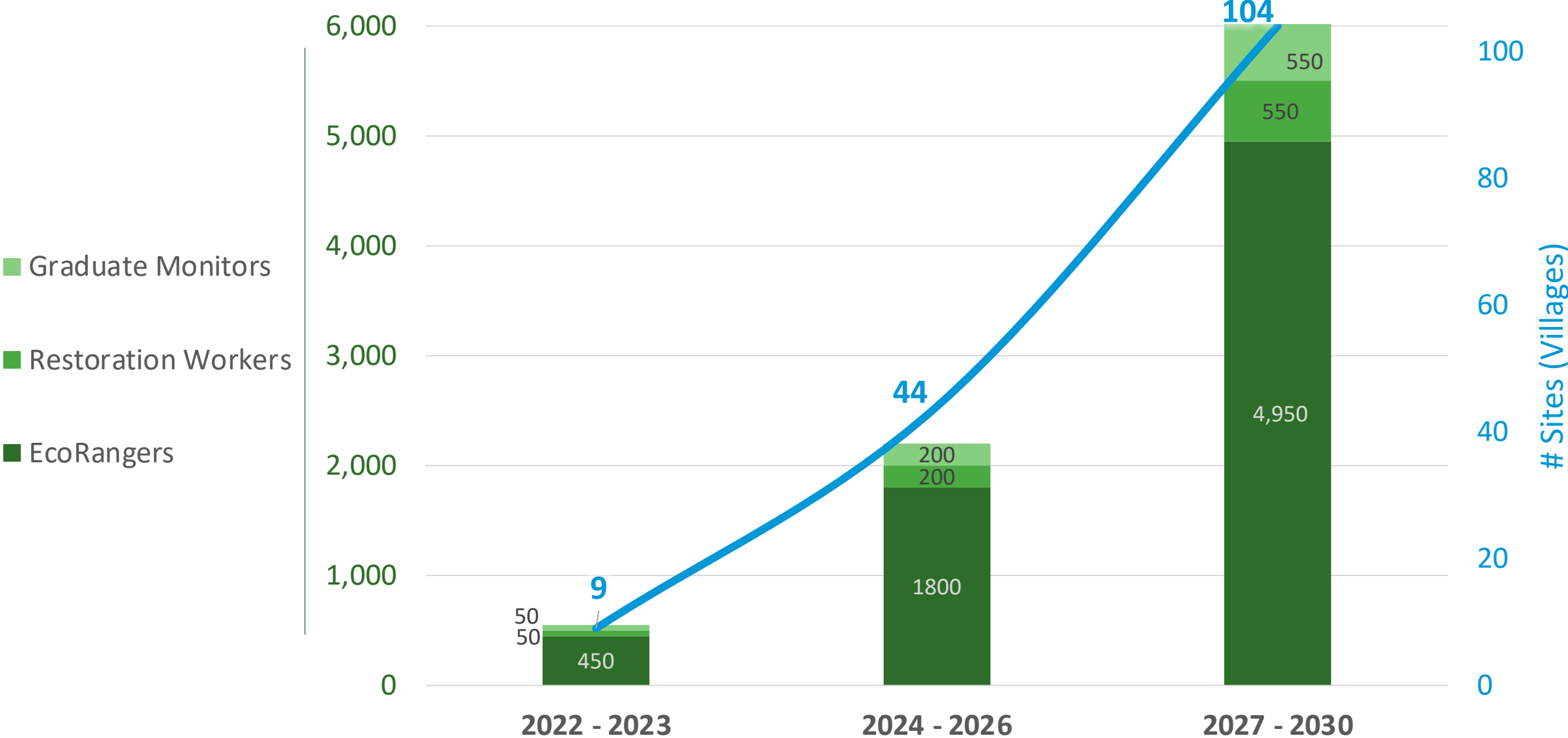
Health
Energy expended

Herd
characteristics

Forage quality
Genetics

Intake → Maintenance + Growth + GHG

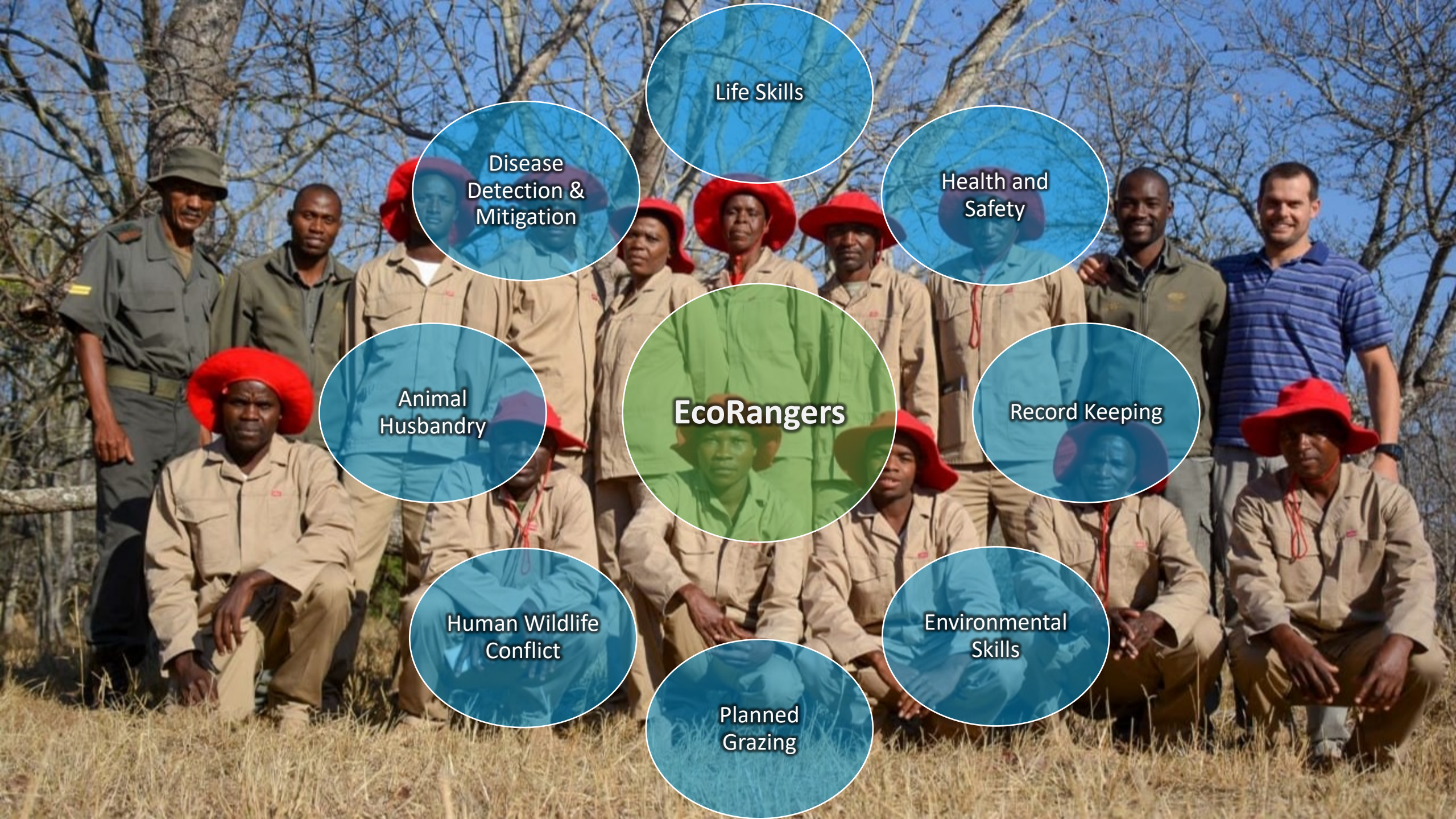
Scaling over 8 years (2022 - 2030)



Innovation and Transformation...

- Re-purpose of Ipelegeng (Skilling)
- Create professional qualification for herders
- Use livestock impact to restore rangelands
- Empower women and youth in livestock sector
- Sustain by unlocking livestock value chains





Life Skills

Disease
Detection &
Mitigation

Health and
Safety

Animal
Husbandry

EcoRangers

Record Keeping

Human Wildlife
Conflict

Environmental
Skills

Planned
Grazing

Role of government ministries

- Ministry of Agriculture
- Ministry of Finance
- Ministry of Environment
- Ministry of Local Government
- Ministry of Lands and Water
- Ministry of Trade
- Ministry of Youth
- Lead Ministry
- National Designated Authority
- Climate Change Focal Point
- Employment program lead
- Land policy custodian
- Trade
- Graduate/internship

Key Ministries and Their Roles

Ministry	Role
Ministry of Agriculture	Lead Ministry
Ministry of Finance	National Designated Authority
Ministry of Environment and Tourism	Climate Change Focal Point
Ministry of Local Government and Rural Development	Employment program lead
Ministry of Lands and Water Affairs	Land policy custodian
Ministry of Trade and Industry	Trade
Ministry of Youth, Gender, Sport, and Culture	Gender and Youth
Ministry of Labour and Home Affairs	Graduate/internship

Benefits of the project

- **Enhancement of livestock value chains**

- Improved livestock production
- Compliance to markets
- Antimicrobial resistance
- Animal disease control
- Branding of Botswana beef

- **Attraction of youth to livestock farming**

- **Addresses human-wildlife conflicts**

- Predation
- Diseases of livestock emanating from wildlife

- **Grazing land conflicts**

- Cross border cattle rustling and conflict
- Invasion of game parks by cattle and vice versa



Next Steps

Signing of MoU between CI and MoA

National Project Launch August **2022**

Inception Workshop – August/Sept **2022**

District Launches – August/Sept **2022**

Kickstarting Project Activities as per implementation plan

Thank You



CONSERVATION
INTERNATIONAL



GREEN
CLIMATE
FUND



REPUBLIC OF BOTSWANA



gaborone declaration
for sustainability
in africa