



KAZA
Herding 4 Health
/ CBT update



Dr Jacques van Rooyen
Herding 4 Hope (Pty.) Ltd.
KAZA AHSWG Meeting, Divindu
13-15 June 2023

HERDING FOR HOPE

Herding 4 Health Model

The H4H model: A One Health model to **empower communities & stakeholders** to address the suite of challenges faced at the **wildlife-livestock / community-conservation** interface in a practical, **traditionally acceptable** way that offers **impact and sustainability** in the face of climate change, wildlife-livestock conflict, skills & job shortages, poverty, and transboundary animal diseases.



HERDING 4 HEALTH MODEL

ACTIONS, PILLARS AND RETURNS

By Herding 4 Hope (Pty.) Ltd.

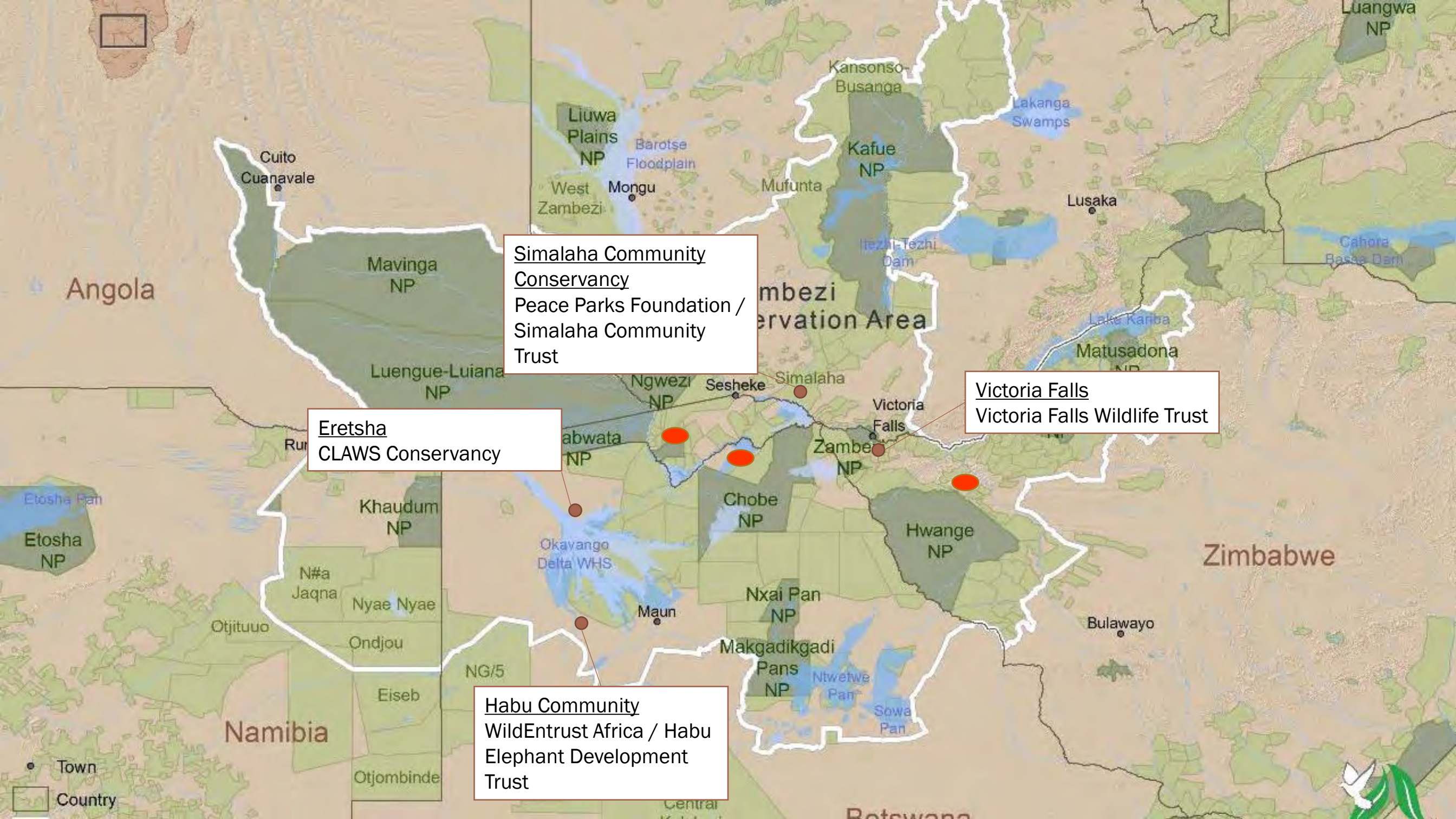


KAZA H4H Activities

- Current implementation scope
- Prospective
- CBT demonstration
- Wildlife Friendly Beef prospects (market diversification on the back of best practice compliance)



Current & emerging Implementation of Herding 4 Health Model



CBT implementation progress (Botswana)

- EU Funded Project in partnership with DVS, Botswana

Demonstrating Commodity-Based Trade implementation in Botswana for the benefit of People and Nature

- Pilot Sites: Ngamiland:
 - Habu community (Wild Entrust)
 - Eretsha community (CLAWS Conservancy)
- 3 YEARS, finishing September 2023



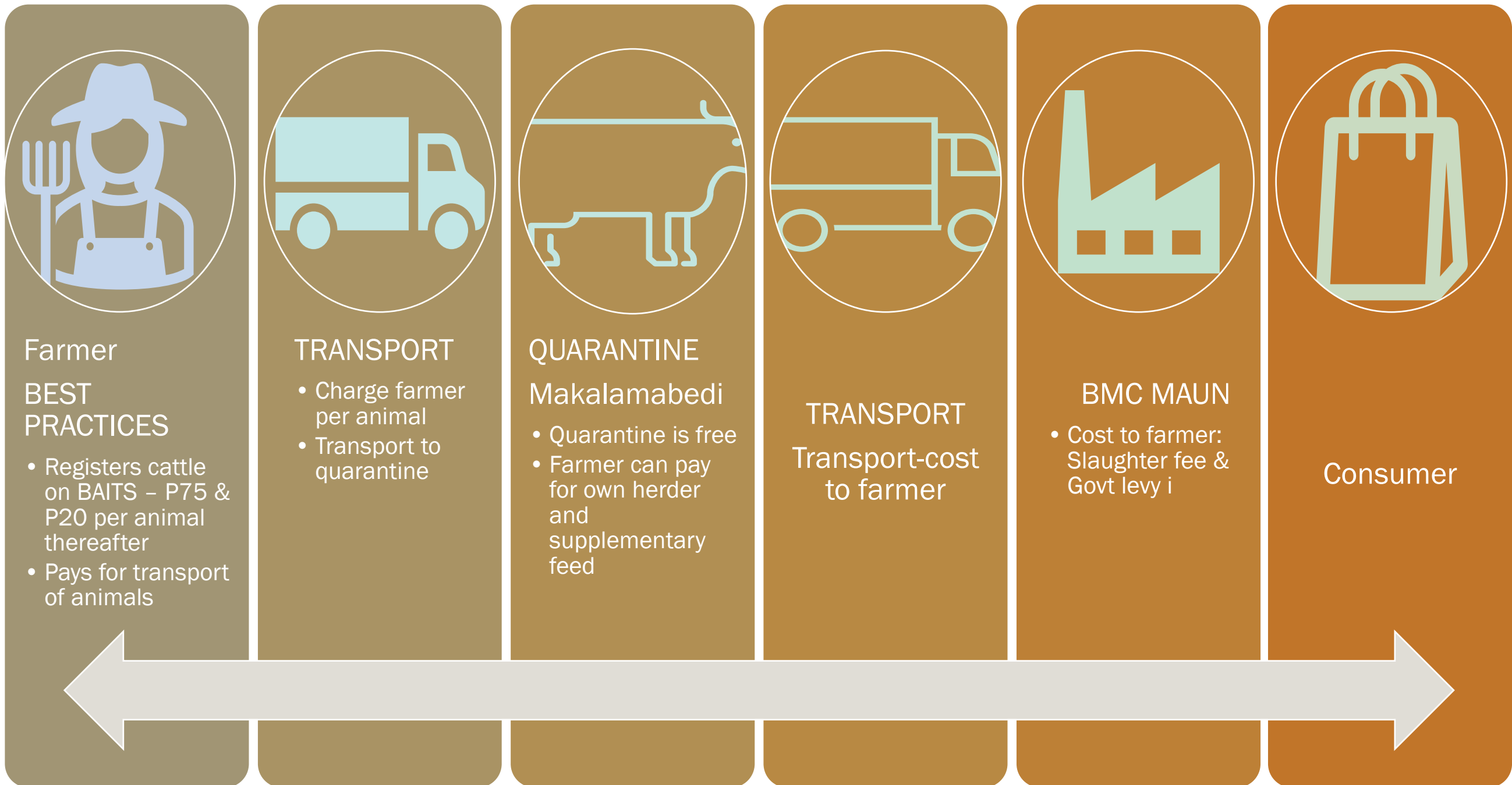
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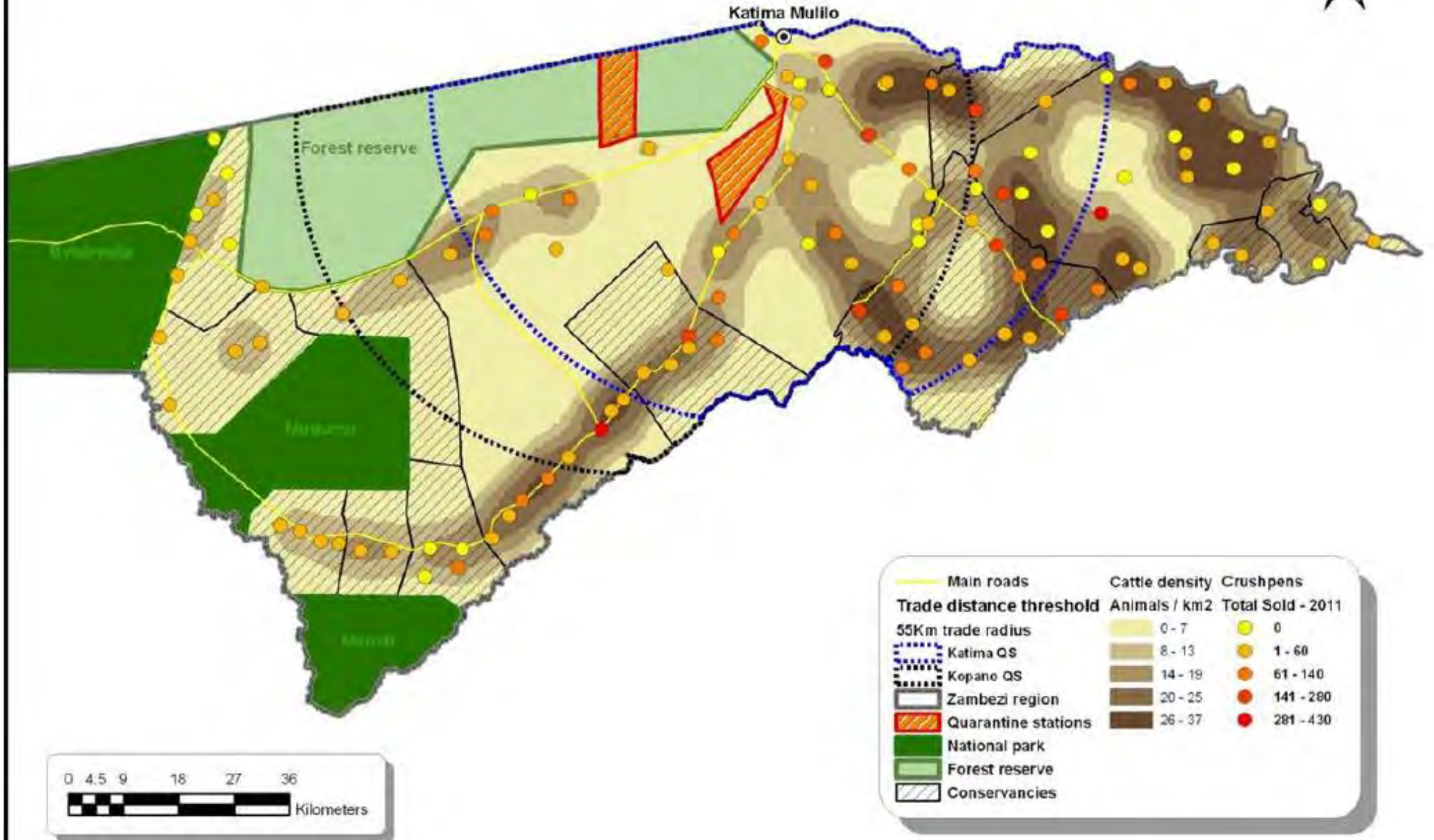
Republic of
Botswana



Current CBT Supply Chain for Green Zone Beef, Ngamiland



Beef trade in the ZR relative to protected areas and cattle density



Market interruption

FMD OUTBREAK FREQUENCY IN THE ZAMBEZI REGION

Period	Slaughter	FMD	Shutdown	%	%	%
Year	Months	Months	Months	Slaughter	FMD	Shutdown
2007	9	2	1	75%	17%	8%
2008	0	12	0	0%	100%	0%
2009	3	9	0	25%	75%	0%
2010	12	0	0	100%	0%	0%
2011	8	2	2	67%	17%	17%
2012	5	5	2	42%	42%	17%
2013	5	5	2	42%	42%	17%
2014	6	3	3	50%	25%	25%
2015	0	12	0	0%	100%	0%
Avg	5	6	1	AVAILABLE PERIODS		TOTAL PERIODS

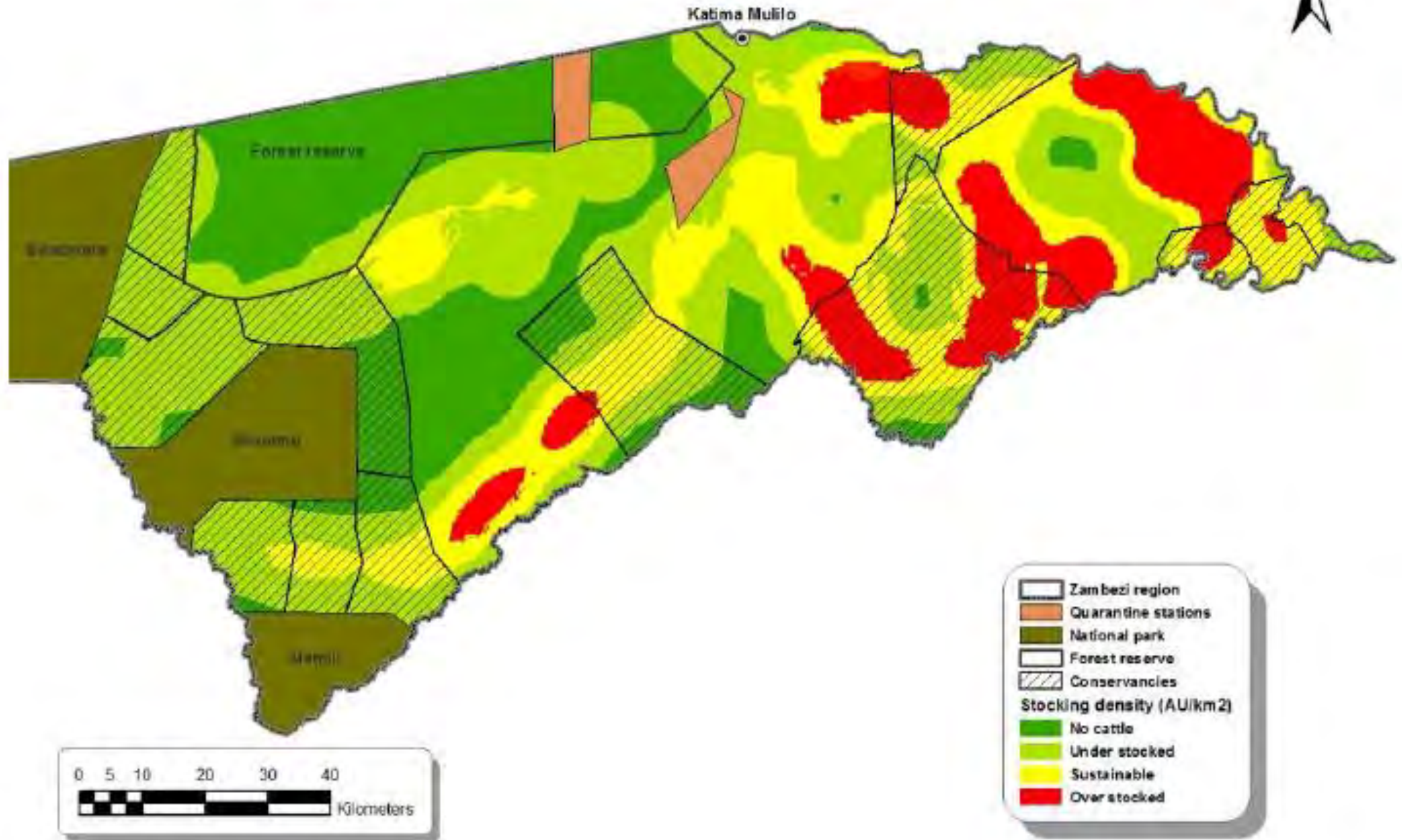
Slaughter	FMD	Shutdown
44%	46%	9%

Closed: 48.8% of the total time

Loss of annual revenue: N\$20 million p.a.

Van Rooyen
2017

Spatial variation in stocking density levels for Animal Model 2



Preview of mobile quarantine concept (Jan 2022, Habu village)



DVS, community leadership, implementers, farmers, ecorangers, Dept animal production & rangeland health

- Finalized draft protocol for piloting
- Registered mobile quarantines as establishments in association with nearest registered inspection point
- Testing equipment and training of Quarantine Staff and DVS support
- Pilot CBT through Mobile Quarantine, and Wildlife Friendly Beef

TESTING PROTOCOL & FACILITY UNDER SUPERVISION OF DVS

PREREQUISITE FOR QUARANTINE:

1. Producer agreement (commitment to compliance)
2. H4H Compliance Record, includes BAITS, CBT etc.



Mobile predator-proof Boma inside mobile quarantine a major compliance support





Pilot Progress...

First in-take of cattle Dec 22

- 49 cattle (Habu 24/Eretsha 25)

Second in-take of Cattle April 23

- Eretsha: 29 cattle were registered but only 24 were loaded.
- 2 were disqualified because of skin disease
- 3 were disqualified as farm owners did not arrive to sign off

- Farmers have not been paid yet due to poor beef sales at BMC - need more clarification

Third in-take of Cattle (June/July)

- Eretsha has registered 42 cattle
- Habu aiming for 30 cattle

By End of July our total will be around 145 cattle through CBT system

49 livestock sold

8.38 tons beef

Green Zone Average price @ <160kg = **P3447.50**

Red Zone Average price @ <160kg = **P2168.85**

Green Average price @ >160kg = **P5600**

Red Average price @ >160kg = **P4180**

Comparison for Eretsha, scenario 150kg 600km from Makalamabedi QS

- **Red Zone Eretsha - a farmer** gets P2,250 for the animal (150kg carcass @P15/kg). After deductions of travel permit, transport, levy fees = **P1735.00**
- **Friendly Beef: Eretsha - a farmer** gets P4200 for the animal before deductions of permits, transport, slaughter, levy fees = **P2807**
- **Green Zone: Eretsha - a farmer** gets P4200 for the animal (150kg carcass @P28/kg). After deductions of a travel permit, subsidized transport, levy fees = **P3727.00**



This project is funded
by the European Union



Herding for Health Programme



12 June 2023

Dear **DELEGATE**

Invitation: Exchange Workshop - Demonstrating Commodity Based Trade (CBT) Implementation in Botswana: 20-21 July 2023

On behalf of Conservation International, in partnership with local NGOs, Wild Entrust and CLAWS, and in close collaboration with the Botswana Department of Veterinary Services (DVS), we would like to invite **a representative of your organization** to a Learning Exchange Workshop related to the EU funded project: **Demonstrating Commodity Based Trade (CBT) implementation in Botswana for the benefit of People and Nature.**

Concluding Remarks

- CBT – farmer empowerment to lead bottom-up (practices)
- Willingness to pilot – (science informed practice, as opposed to science led practice)
- Commodity-based TRADE & Commodity-based CONTROL
- Blended approaches to accommodate the diversity of challenges in typical KAZA landscapes: forms of quarantine & slaughter
- Systematic development of quality of beef, not just biosafety. CBT now creates incentive for quality improvement → hence H4H model integrated with CBT standards
- LOCAL SCIENCE for LOCAL FMD contexts when it comes to practice
- KAZA DVS: combined CBT effort / cohesion with WOAHP support

KAZA BEEF: CBT, Climate Smart, Wildlife Friendly, Sustainable

= diversify the cost of compliance support



**NONE of what we are trying to achieve will be achieved
unless farmers have full CONTROL of animals and
implement basic BEST PRACTICES**

= investment/trade confidence!!



not EITHER, OR, but *ALL FOR...coexistence..?*



DERMATOPHILOSIS having significant impact and persists



Thank you



Dr. Jacques v Rooyen
Director: Herding 4 Hope (Pty.)
Ltd.

jacques@herding4hope.org

Tel. no. +27 83 289 1312



Jacques van Rooyen