



Herding for Health:
*An integrated, community-driven model
for the implementation of CBT that is
both pro-poor and pro-conservation*

Regional CBT Workshop, Victoria Falls
3 November 2016

 UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Denkeleers • Leading Minds • Dikgopolo tša Dihalefi

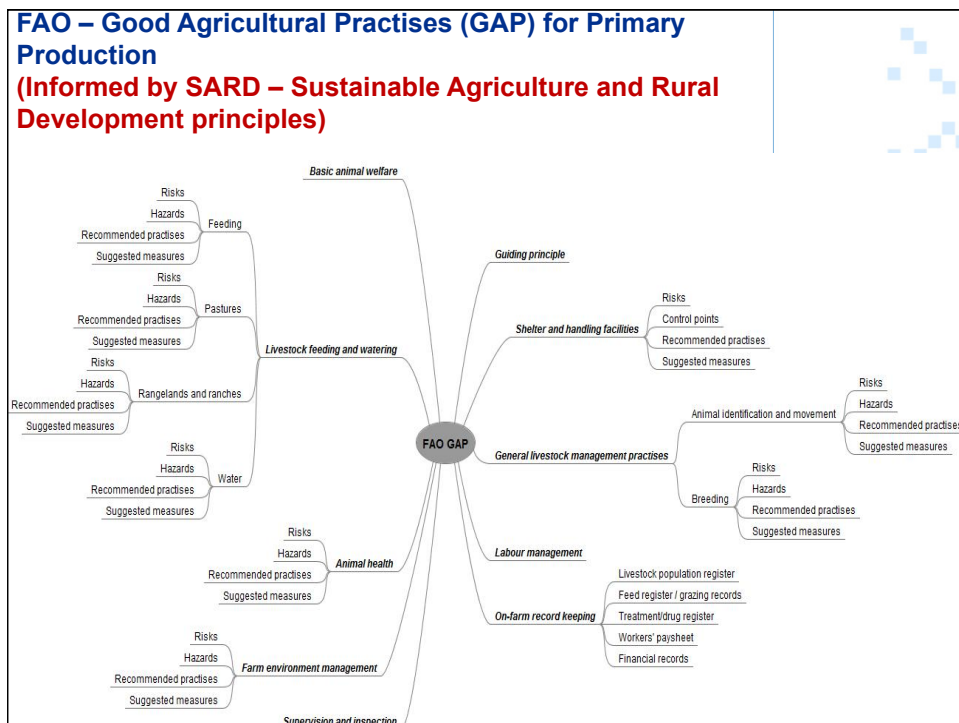
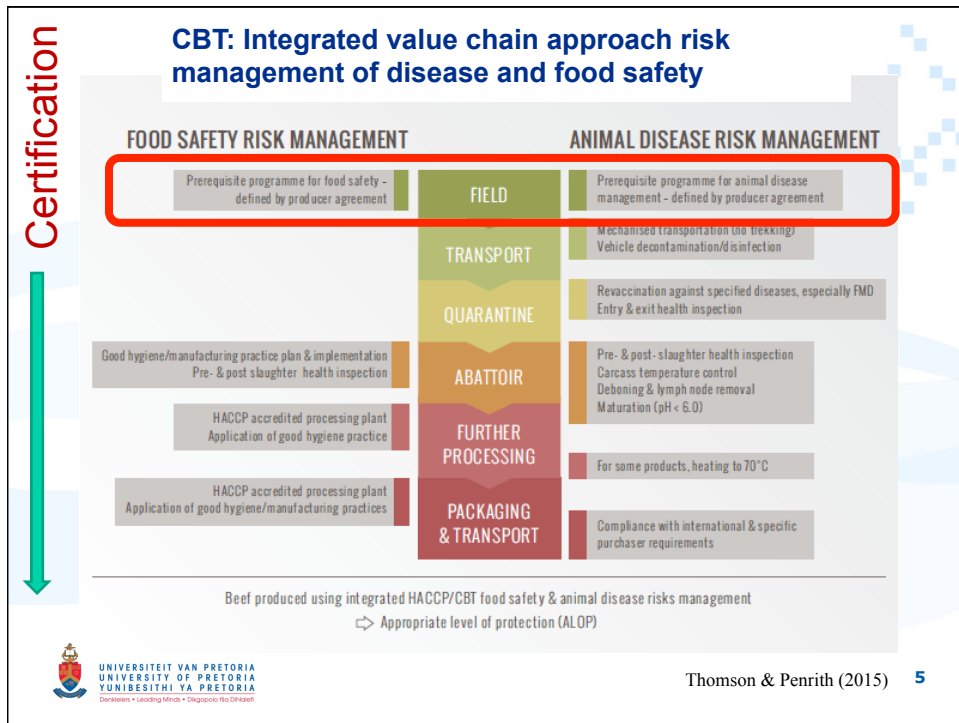
Jacques van Rooyen
Lecturer and Manager
Hans Hoheisen Wildlife Research Platform
Centre for Veterinary Wildlife Studies
Faculty of Veterinary Science
jacques.vanrooyen@up.ac.za

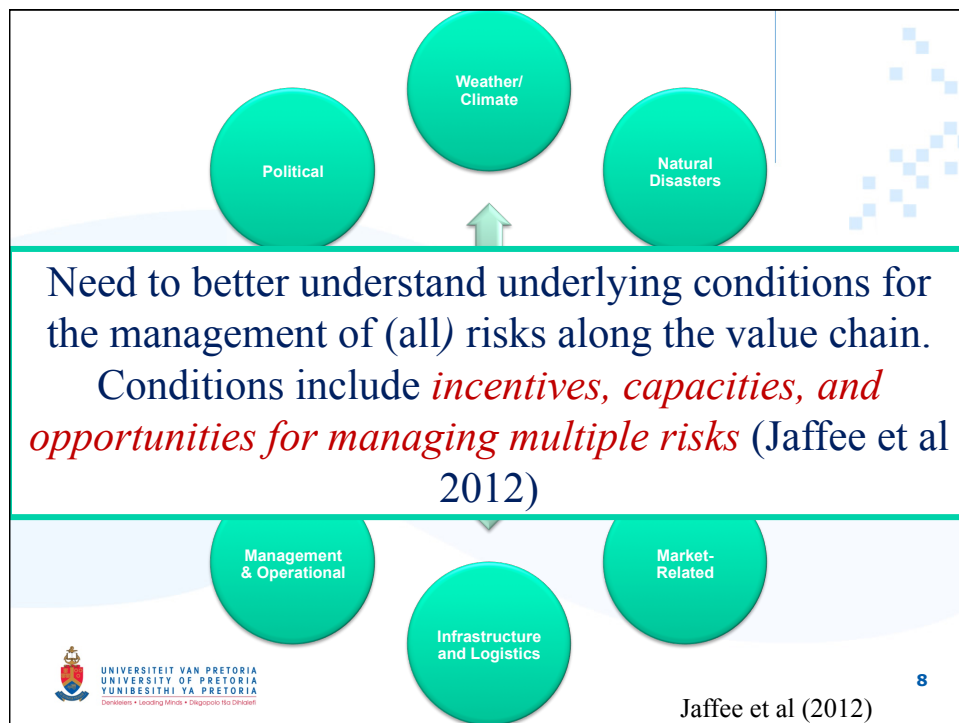
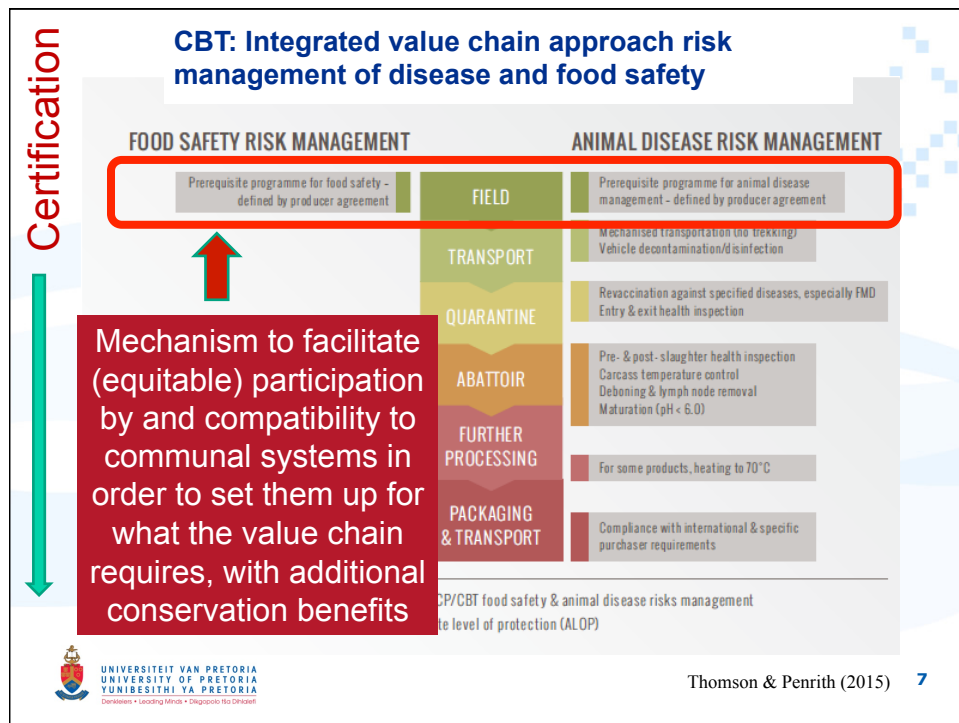
How do we go about implementing CBT to attain multiple benefits?

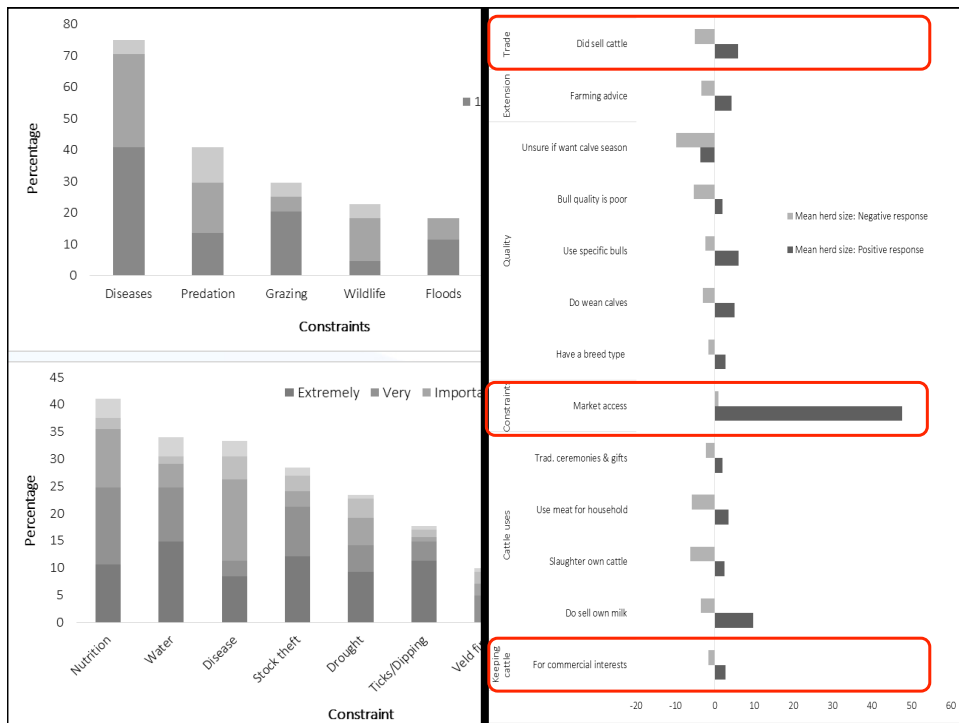
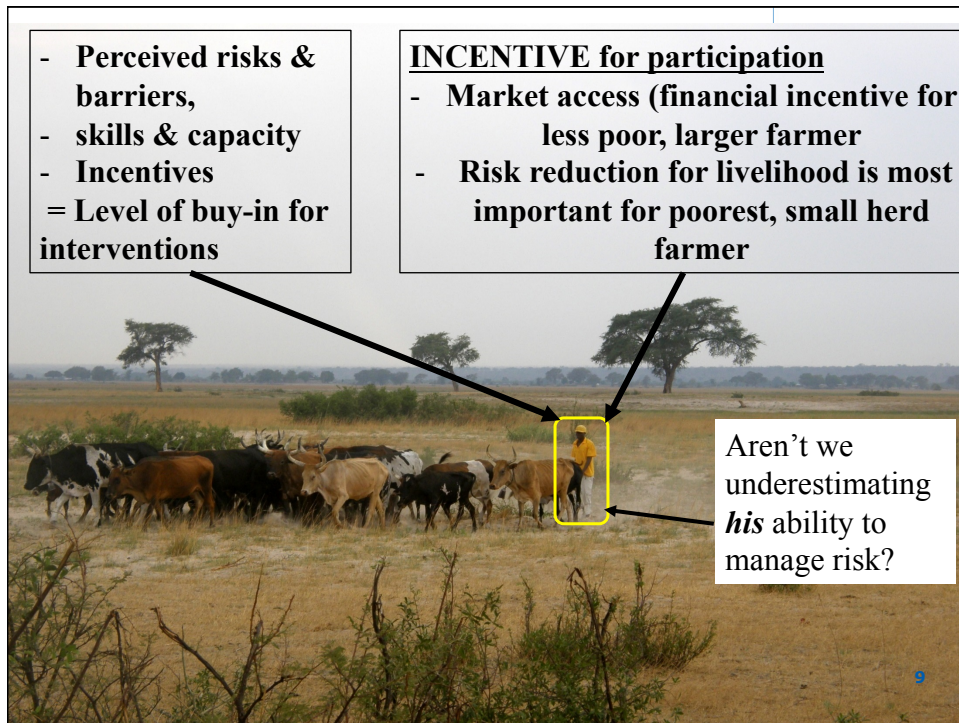
Can Commodity-Based Trade be a *catalyst* for greater wildlife-livestock compatibility?











Prerequisite Program: Zambezi producer code

Agree to:

1. Record keeping
2. Animal ID
3. FMD vaccination
4. Parasite control
5. Grazing management
6. Prevention of buffalo contact (herding & kraaling)
7. Disease reporting



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Dedicated • Leading Minds • Disrupting the Status Quo

AN AGREEMENT made in Katima on this _____ day of _____ 2013 between



THE PARTIES

MCA PROJECT PHASE 2

AND

Surname: _____ Name: _____ I.D. _____

Cell: _____ Constituency: _____

Area: _____ Cattle post _____

NOW THEREFORE IT IS HEREBY AGREED as follows:

- Record-keeping
- Animal identification – branding & tagging*
- Vaccination for FMD (i.e. presenting cattle for vaccination)*
- Treatment for internal and external parasites
- Grazing management
- Preventing buffalo contact (herding, kraaling)
- Disease reporting to DVS

IN WITNESS WHERE OF the parties have here to set their hands in the presence of the undersigned witness: on the _____ Day of _____ 2013

AS WITNESSEES:

1. _____ Project: _____

IN WITNESS WHERE OF the parties have here to set their hands in the presence of the undersigned witness: on the _____ Day of _____ 2013

AS WITNESSEES: _____

Farmer: _____

Prerequisite program (Producer agreement): Farmer reported *non-compliance* – Zambezi Region, 2013

Respondent	Any Challenges	Record Keeping	Grazing Management	Treatments	Disease	Buffalo Contact	Herding	TOTAL
1	Yes	X	X					2
2	Yes	X	X			X	X	4
3	No							0
4	No					X		1
5	Yes				X			1
6	Yes	X					X	2
7	Yes	X		X				2
8	Yes	X			X			2
9	Yes	X	X	X				3
10	Yes			X		X		2
Total		6	3	3	2	3	2	19

68% compliance..?



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Dedicated • Leading Minds • Disrupting the Status Quo

12

Poverty Traps

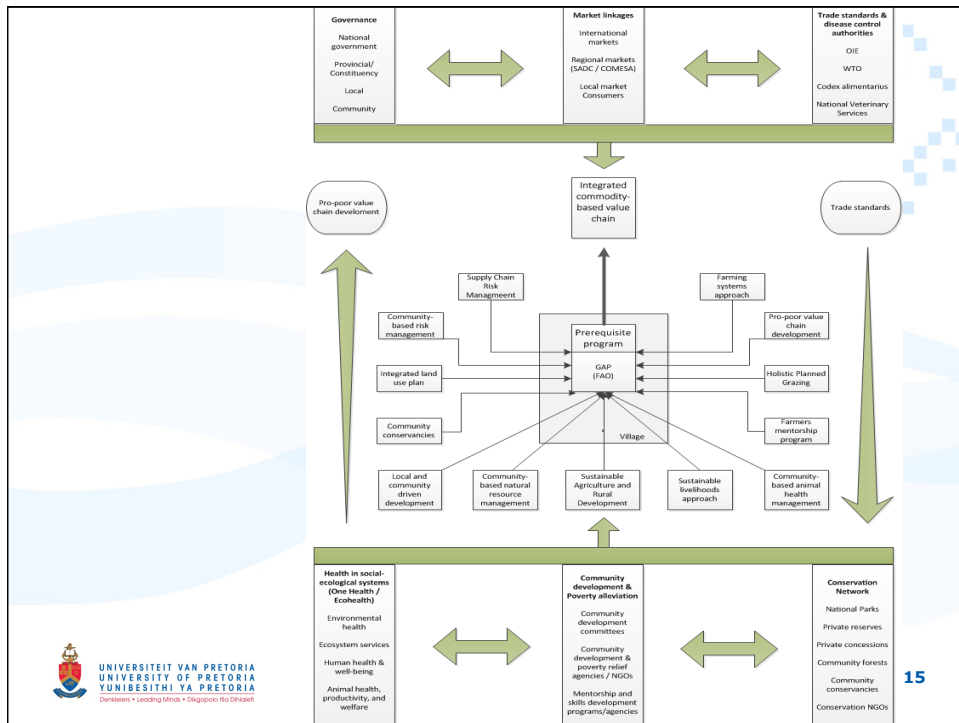
- **Persistent poverty despite momentarily / periodic relief from poverty**
 - Improved market access, skills development, employment all considered ways to escape poverty traps = **pathway out of poverty**
 - **Market access:** complete value chain approach to empowerment, risk management, compliance with food safety & quality standards,
- Empowerment:**
Empowerment entails real control by communities over resources, project/programme design and selection, implementation, as well as monitoring and evaluation (Binswanger-Mkhize, et al., 2009)
- **Requires:** bottom up vs top down approach

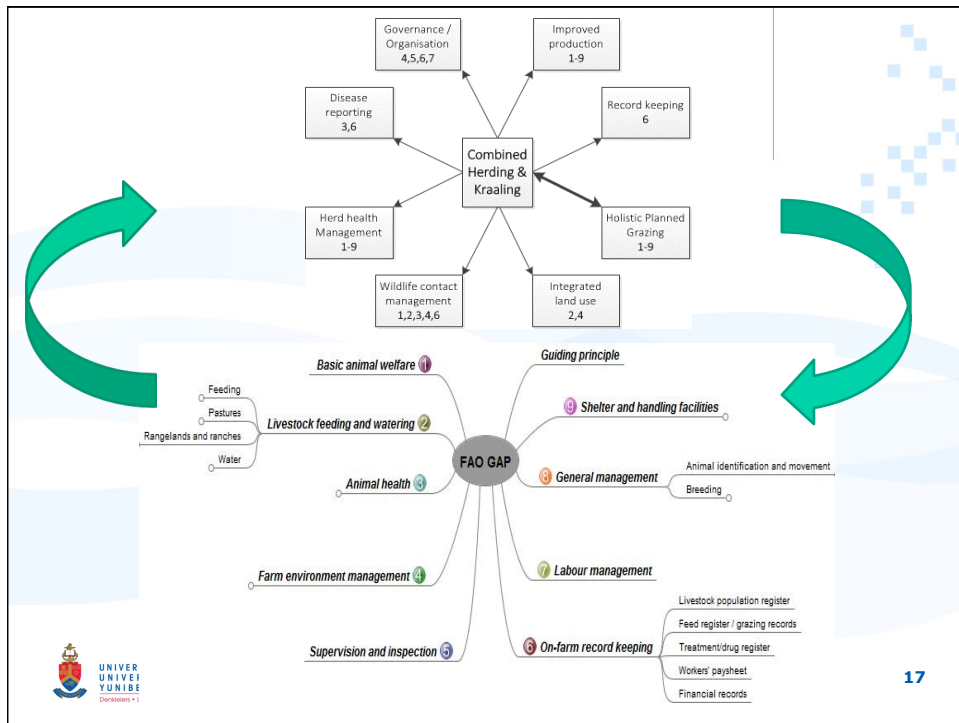
Challenge:

The problems are complex and multidimensional

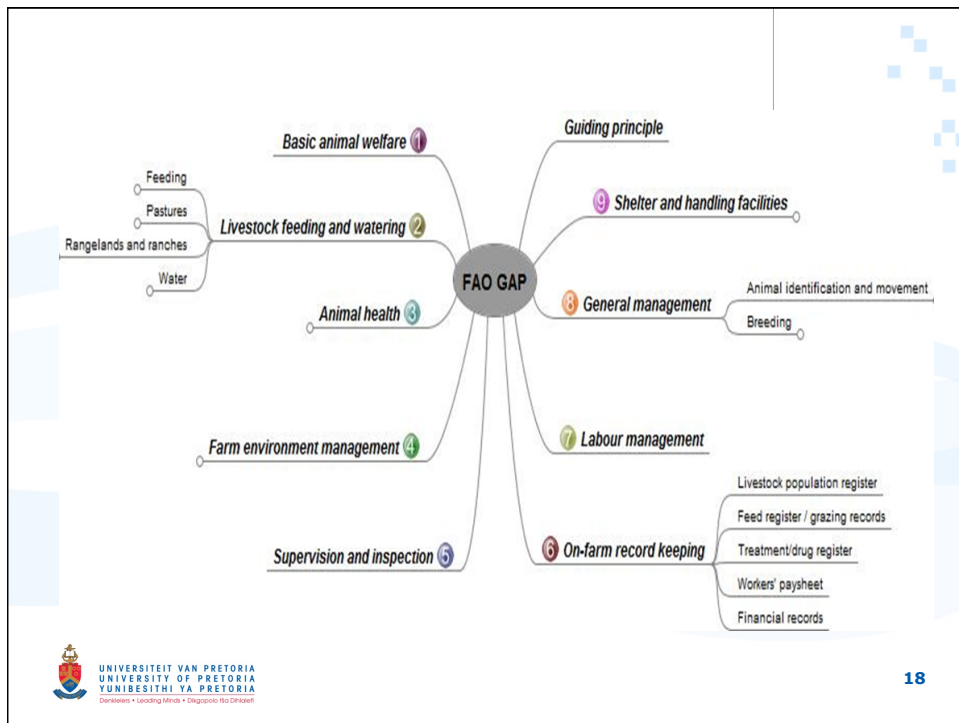
Yet

Solutions must be simple

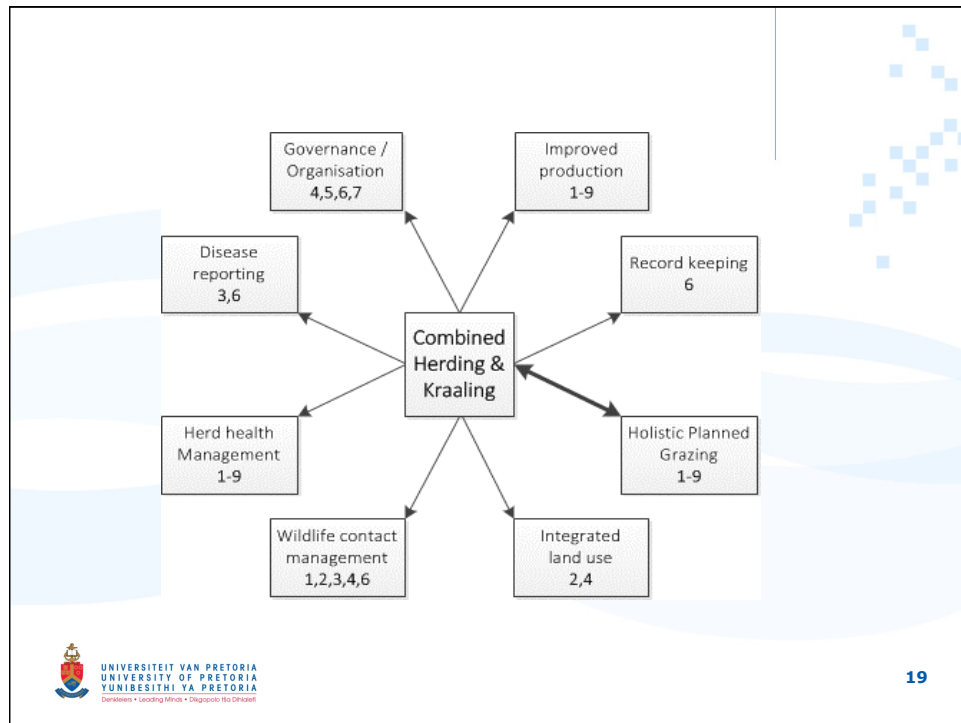




17



18



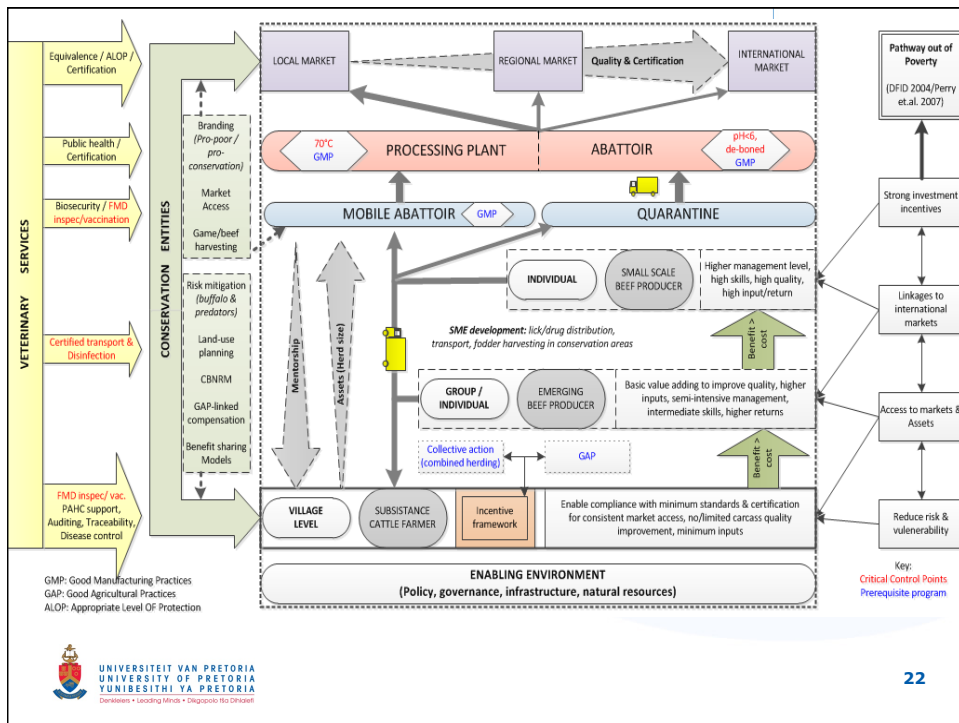
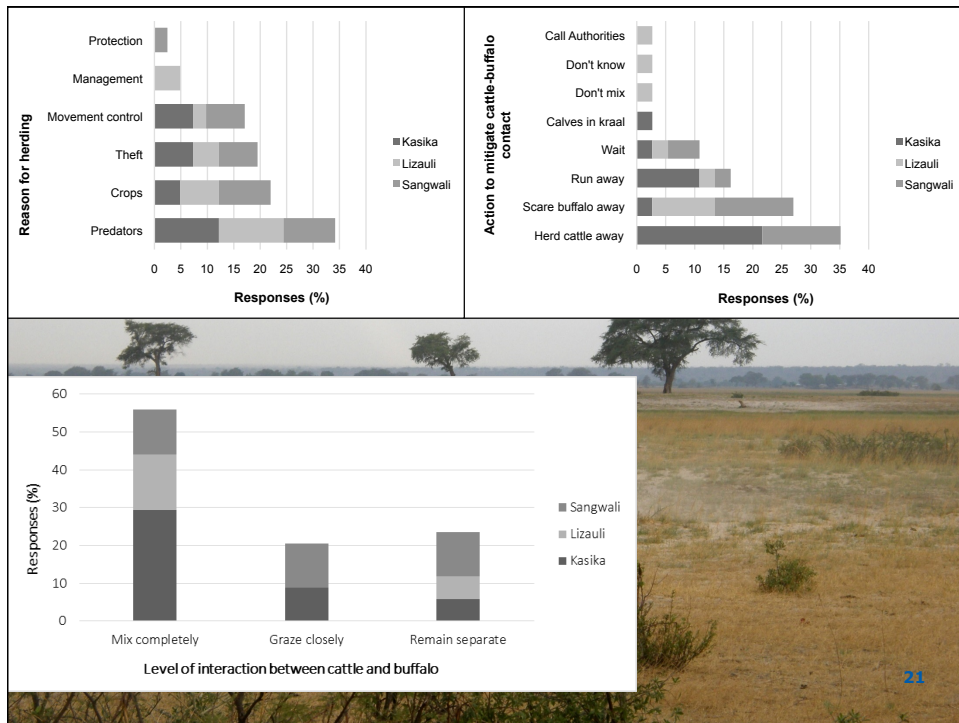
19

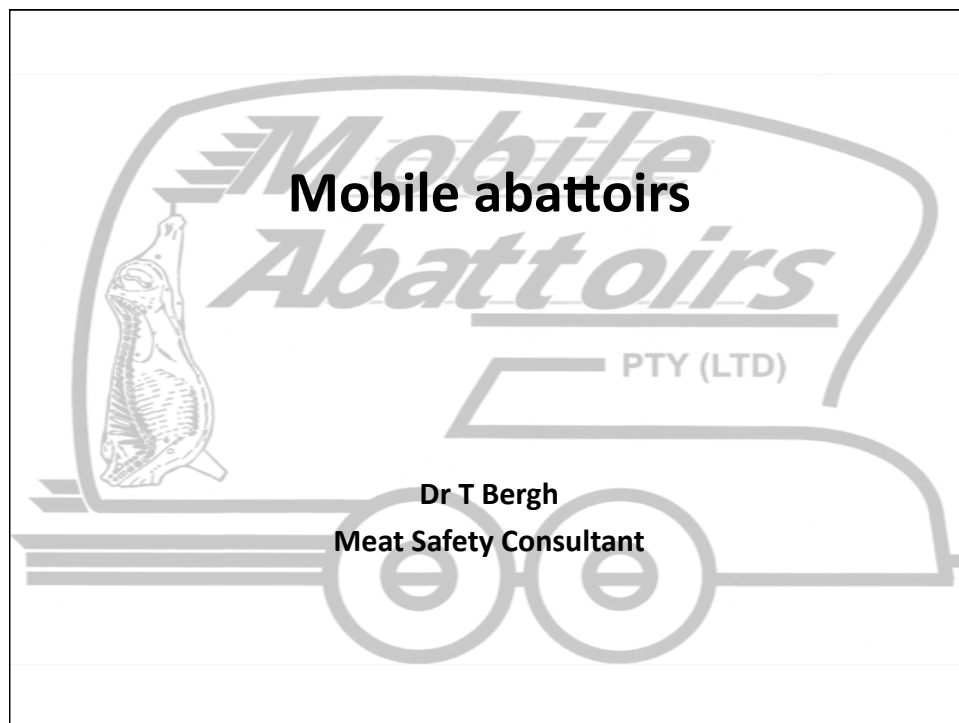
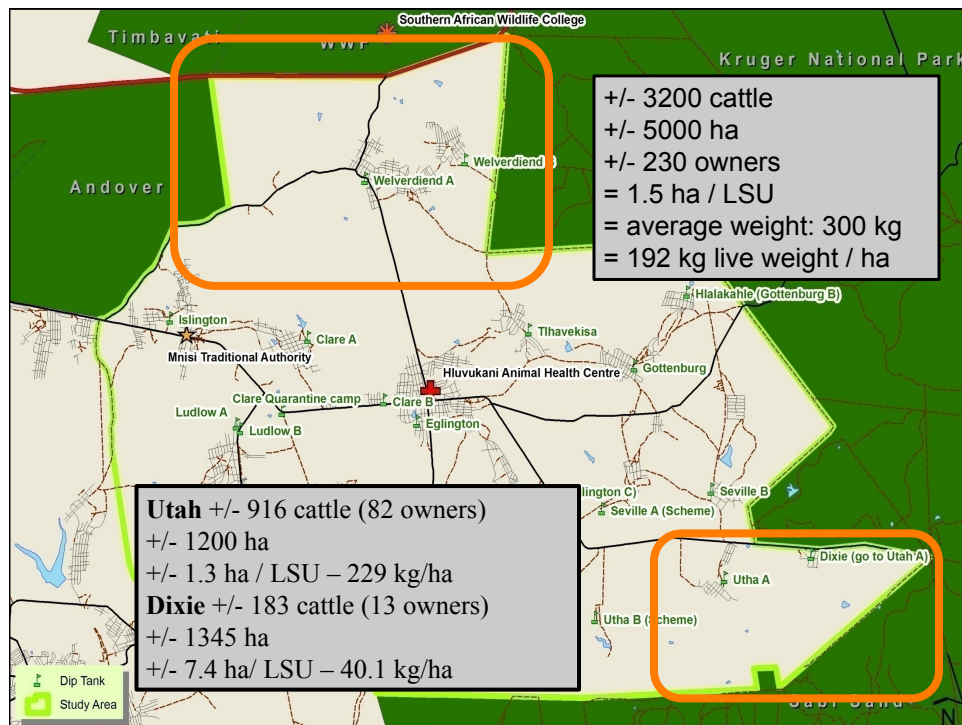
HERDING 4 HEALTH

Skills (Pro Herdsmen / Eco Rangers):

- Rangeland assessment
- Holistic planned grazing
- Predator safe herding / kraaling
- Wildlife avoidance tactics – especially buffalo
- Primary Animal Health Care
- Record keeping and continuous data collection

Income lost by producers in the ZR during the 2012 FMD outbreak amounts to the annual salaries and basic training for **two professional herdsmen placed at each crush pen in the ZR for a year**





Light weight and mobile



Meet the *Beeffalo*..!

- able to slaughter both *buffalo* (game) and *beef*
- diversified options across wildlife – livestock interface
- promote access and benefit-sharing / wildlife economy

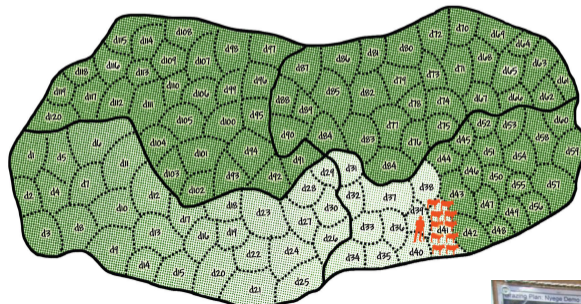


HDSS-Live: Health & Demographic Surveillance System
Weekly recording of health and production indicators of 15,000
individual cattle since 2012 – **Traceability!!**



Through partnerships with mainly conservation entities (National Parks, Department of Environmental Affairs etc. secured jobs for more than 40 professional herders to be trained and further 70 jobs for related matters, 4 SMEs as well.

Planned Grazing avoids overgrazing
recovery period = 120 days



Thank you!!

Collaborators:

1. TAD Scientific
2. Mobile Abattoirs (Pty) Ltd
3. Peace Parks Foundation
4. SA National Parks (Kruger National Park)
5. Conservation South Africa
6. Kruger to Canyons Biosphere Reserve
7. Mnsi Traditional Authority
8. Mpumalanga Veterinary Services

