



CIRAD Lowveld Livestock Project

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AHEAD-GLTFCA Working Group Meeting, 8th-9th of Mars 2007, Pequenos Libombos Dam, Mozambique



CIRAD



- CIRAD is a French International Agricultural Research Centre working for Development in tropical and subtropical countries
 - More than 40 years mainly in Africa
 - In between research and development
- Applied research



A staff of 1 850, including 750 researchers

Metropolitan France: 430 researchers



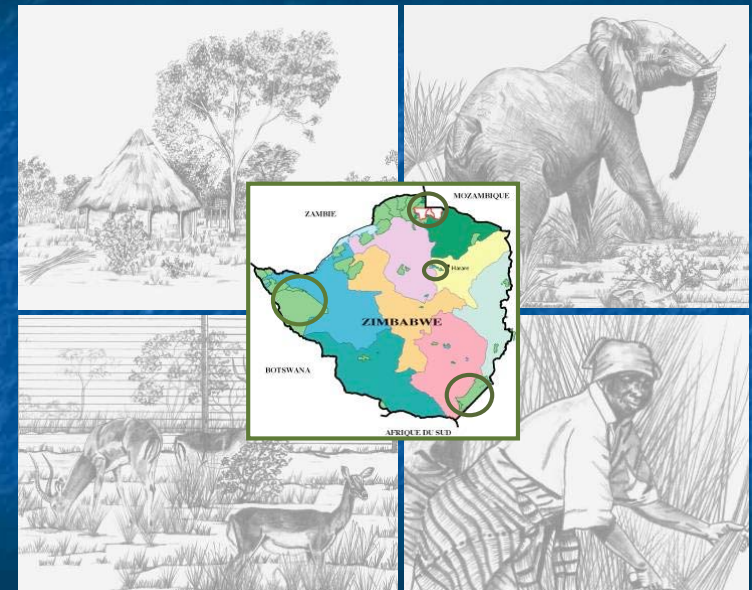
CIRAD in Zimbabwe

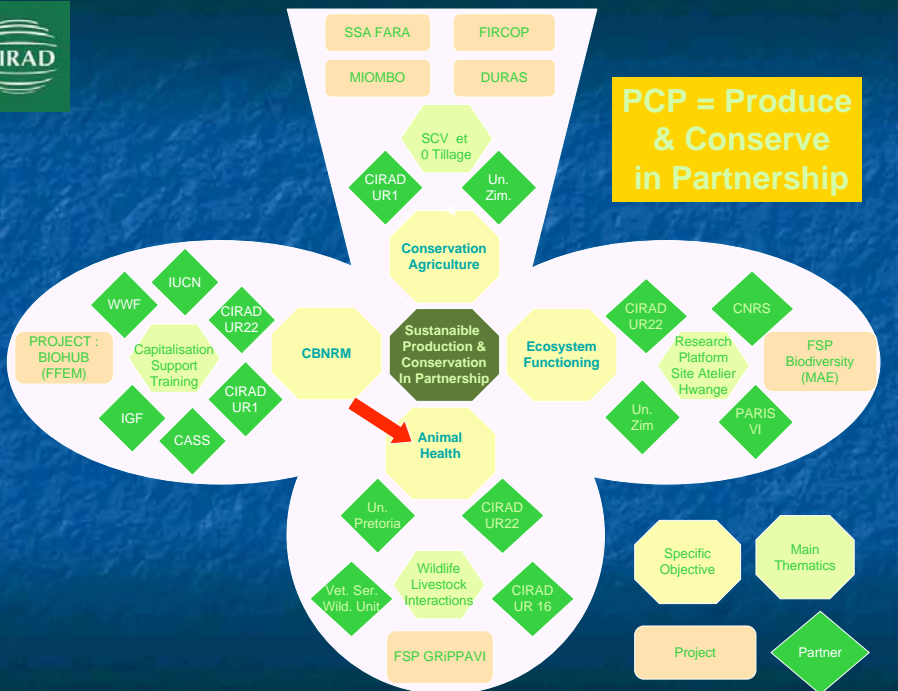
10 years

MoU UZ
-CASS
-Vet

MoU UB
-NUST

MoU NPs





Projects in 2006

- Funded by the French Embassy
- CIRAD Lowveld Livestock Project (CLLP)
 - Coordinated by A. Caron
 - Collaboration with Vet Services; UZ, CV Sub Com. Of GLTFCA
 - 1st Field Work in September 2006
- CIRAD Lowveld Wildlife Project
 - Coordinated by Alistair Pole & William Crosemary
 - Various collaborations.
 - Started in second half of 2006

CIRAD Lowveld Wildlife Project

- Objective is to assess roughly the situation of wildlife in the Lowveld through questionnaires in the diverse conservation matrix
- ➔ Basis for any wildlife research
- First round of data collected & mapping underway
 - Objective shared & SELCORE is to develop a GIS mapping of the Lowveld

CIRAD Lowveld Livestock Project

- Exploratory mission in 2005: FAO-WWF-CIRAD
 - Livestock economy in the Lowveld
 - Inadequate information at household level.
 - Economic importance for rural communities (formal and informal)
 - High social value attributed to ownership of livestock
 - Undeveloped and non-transparent market chains
 - At the community level
 - Unknown community expectations
 - Lack of sustainability in the farming systems in the Lowveld,
 - Human/wildlife conflict (crop & livestock losses, poaching, encroaching, habitat loss)

CLLP Overall Objectives

- Supporting the livelihoods of communities in the periphery of GNP by supporting the animal health surveillance and exploring market strategies for livestock production
 - Animal Health is a key issue to mitigate negative perceptions of wildlife/livestock/human interface
 - Livestock densities in the periphery of GNP should be sustainable for the habitat

CLLP Specific Objectives

- By supporting the diptank system:
 - Obj.1 To describe the structure of the livestock population
 - Obj.2 To understand the current production strategies and opportunities of the small cattle holders
 - Obj.3 To describe their perceptions and expectations towards the wildlife resources and animal health issues

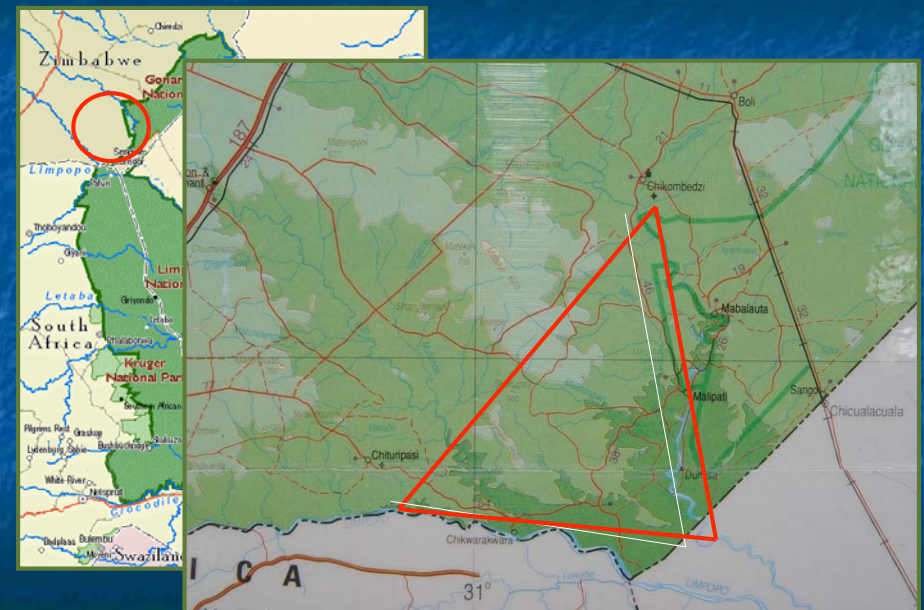


CLLP Methodology

- Providing chemicals for dipping on a regular basis in
 - one Animal Health Centre (AHC)
 - covering 10 diptanks
 - between 15000 and 20000 heads of cattle
 - in collaboration with the veterinary services
- Running questionnaires with farmers at the diptanks every month.
- Collecting at least one year of data



CLLP Study area



CLLP Team

- Veterinary services

- Harare: Field services
- Chiredzi DVO
- Chiredzi Animal Health Inspector and Vet. Technician



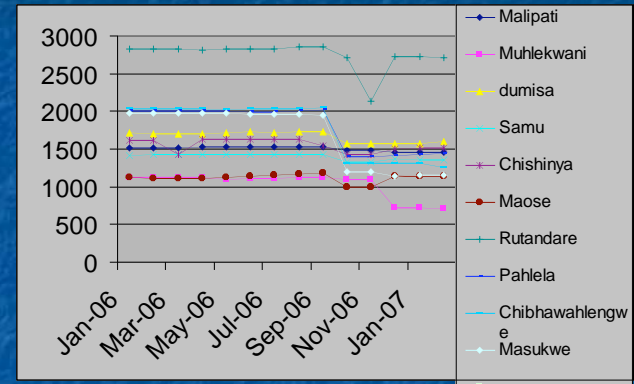
- UZ:

- 2 final year veterinary students
- CASS PhD student

- CIRAD

- C&V sub-committee of the GLTFCA

CLLP First Results (1)



Cattle census

(from D. Kundeya and K. Nyathi, UZ)

CLLP First Results (2)

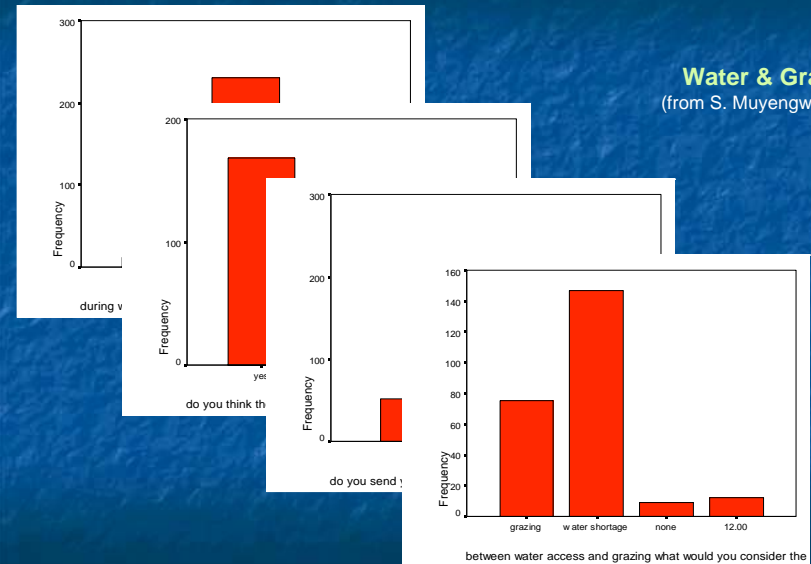
Station	Disease	clinical case	Date
Gezani	LSD	5	Nov-06
Gezani	Heartwater	3	Nov-06
Gezani	Heartwater	4	Oct-06
Gezani	Blackleg	4	Oct-06
Gezani	Anaplasmosis	7	Oct-06
Gezani	babesiosis	4	Oct-06
Gezani	Heartwater	4	Oct-06
Gezani	FMD	96	Jun-06
Gezani	FMD	91	May-05
Gezani	Blackleg	6	Apr-06
Gezani	FMD	1376	Mar-05
Pahlela	FMD	251	Mar-06
Rutandare	FMD	220	Mar-06
Gezani	FMD	6	May-05
chikombedzi	FMD	14	Feb-05



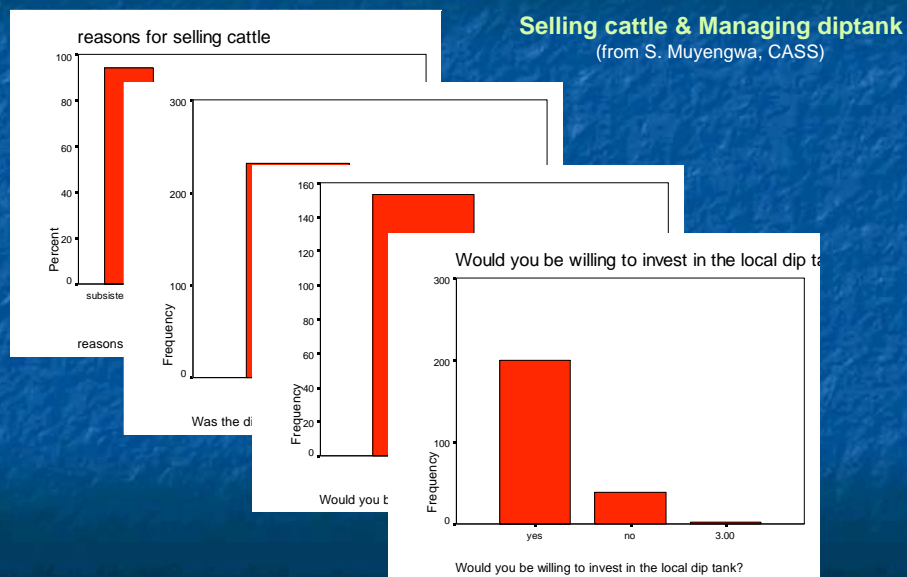
Disease census from Chiredzi report

(from D. Kundeya and K. Nyathi, UZ)

CLLP First Results (3)



CLLP First Results (4)



CLLP Short Term Perspectives

- Complete one year of data
- Start PRA techniques (group discussions)
- Develop disease surveillance by Vet. Students (→ Msc Project?)
- Develop a better mapping



CLLP Long Term Perspectives (1)

- Monitor Animal Health around Gona-re-zhou in livestock & wildlife; sustainably!
- Develop market chains in the lowveld using public & private sector (?)



CLLP Long Term Perspectives (2)

- FAO co-funding?
 - Another AHC
 - Starting disease surveillance?
- Other EU opportunities this year or in the future
- Regional perspective – GLTFCA – Uni. Of Pretoria – Mozambican partners



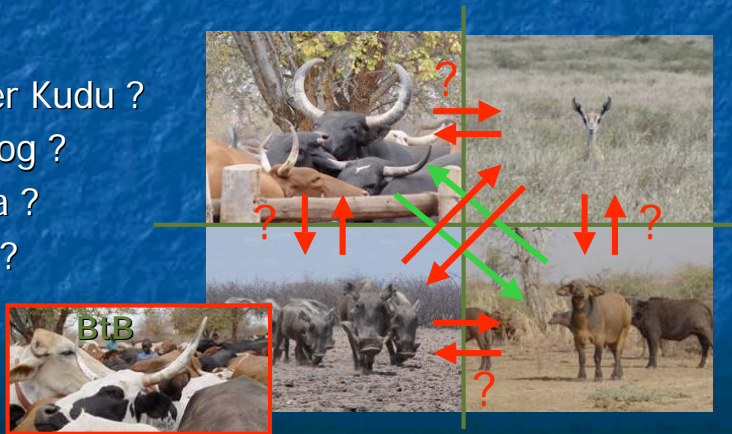
BtB/FMD Component (1)

FMD

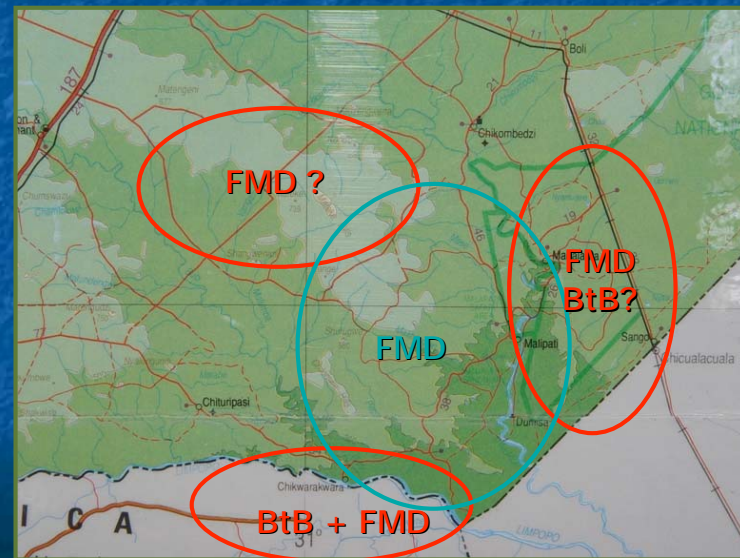
BtB

Livestock / African buffalo = Reservoir

- Greater Kudu ?
- Warthog ?
- Impala ?
- Other ?



BtB/FMD Component (2)



Thank you

