

# PRIORITISATION OF ANIMAL HEALTH CHALLENGES IN THE GREAT LIMPOPO TRANSFRONTIER PARK

### A) INFRASTUCTURAL NEEDS

- Basic veterinary monitoring and laboratory capabilities lacking in all three countries
- Diagnostic capability local lab capacity compromised in all three countries, OVI currently main reference lab. Potential of improving lab capacity in Skukuza state vet office. Lab capacity being developed in Malilangwe
- Centralised data base with GIS capability and data management system - in progress of being developed by PPF but has not achieved its optimum potential and is currently only being used in SANParks for capture related records

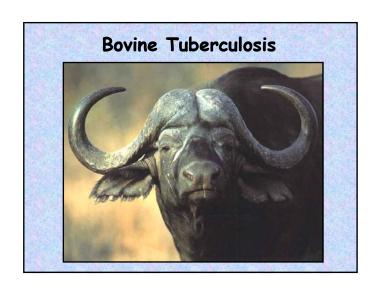
- •Technical equipment available in South Africa, reduced in Zimbabwe and slowly being developed in Mozambique
- •Training and capacity building in process of developing training course at various levels - first course will be presented to vets at the end of March 2009 at Onderstepoort
- •Development of a Wildlife Veterinary Unit in Mozambique ongoing (Chokwe workshop) – establishment of Limpopo Veterinary Working group and met in February 2009
- Support of Wildlife Veterinary Unit in Zimbabwe reduced due to lack of support funding from PPF and other sources - this is very problematic as the unit is capable of doing most required work but lacks resources to do the work

# B) Disease monitoring and management recommendations

•General disease status surveillance in cattle, pets and other livestock are needed in all three countries

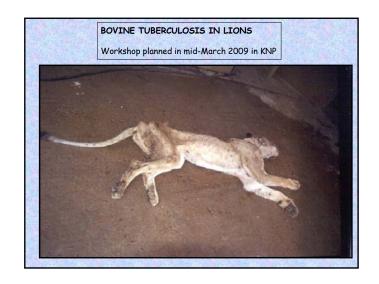
### C) Primary Animal Health Care at the interface

- Vaccination of cattle against FMD and anthrax suffering from logistical constraints both in Zimbabwe and Mozambique - cold chain problems, vaccine breakdown?
- ·Vaccination of dogs against rabies and canine distemper not in place adequately but large effort undertaken around Gonarezhou in 2009 and in South Arica but some resistance form local communities to have dogs vaccinated
- ·Deworming of dogs (including echinococcus) not in place adequately
- Regular dipping and inspection of cattle not in place adequately in all three countries and innovative methods required to improve this



### Bovine Tuberculosis (BTB) and Brucellosis

- ·Monitor of BTB and brucella status of cattle in the Sengwe corridor being repeated by CIRAD currently
- ·Buffalo tested and 2 post mortems conducted in Gonarezhou NP (February 2009) suspicious lesions and awaiting culture results
- ·Monitor of BTB and brucella status of cattle on the KNP southern & western boundary ongoing (no TB found so far)
- ·Monitor the TB dynamics of the KNP buffalo herds survey planned for 2009 postponed to 2010. Survey in 2008 completed for the Shingwedzi area prevalence between 4-8%
- In the above surveys (Mozambique and Zimbabwe), funds are often lacking for compensation for positive cattle that must be slaughtered to confirm the diagnosis and for TB strain fingerprinting.

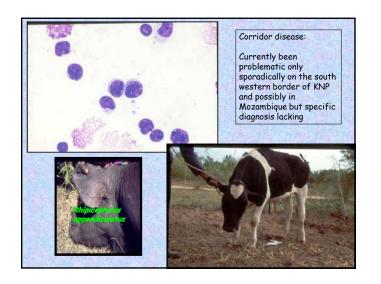


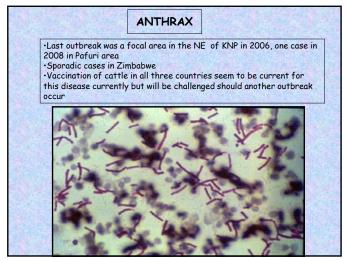
# Foot & Mouth Disease

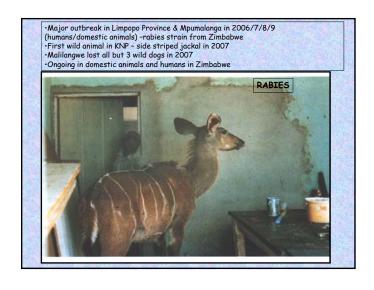
Topotyping of foot & mouth disease viruses in buffalo in Gonarezhou (outstanding) and Limpopo National Park (completed for buffalo captured in 2007 & 8).

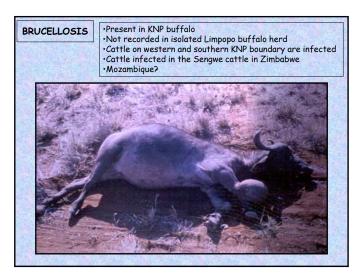
Blood and probang samples from a number of buffalo in Gonarezhou (Wildlife Unit and CIRAD in 2008)

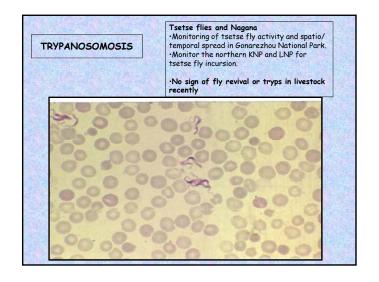
Large scale outbreaks in cattle seen in Zimbabwe in 2008

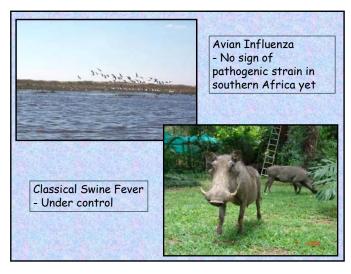


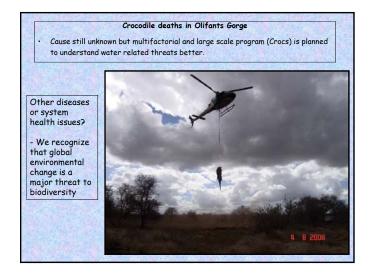


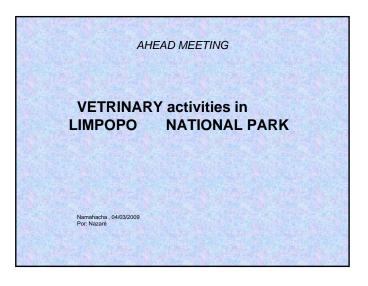












### Main activities

- 1. diseases monitory
- 2. diseases surveys
- 3. control end prevention of diseases
- 4. wildlife department capacity (WCS)

### surveys

- Fmd surveys ("atualment p ver nivel de imunizacao da vacina")...on goin (dr zacarias)
- btb surveys on Buffaloes (todos anos)
- · Brucellosis surveys/btb cattle

### Prevention and control

- FMD vaccination
- Anthrax vaccination
- Blackquoter vaccination
- Rabies vaccination!!!!! (preocupacao!!!eliminacao caes!!!)
- NC diseases vaccination (vet services/kyeema fundation)
- · Lump skin disease vaccination

# coordination

- Improved coordination with LNP, DNAC, SAN Parks, WCS
- Coordination NGO's
- Capacity building within wildlife disease control department
- Acquisition of equipment : gps, binoculars.

# Next steps

- Improve coordination
- · improve build capacity and training
- Equipment acquisition
- Disease surveys (btb in buffaloes and cattle LNP)

# Next steps cont...

- Croc. Deaths monitoring in elefante river.
- Vaccination program in livestock
- FMD
- anthrax
- blackquoter
- rabies
- newcastle
- lump skin disease

**MUITO OBRIGADO A TODOS!!!**