



Zimbabwe

Site in collaboration with the GAINS-SA programme (FPI-OVI)

Kick-Off Meeting GRIPAVI



Zimbabwe

Poultry production

- AGRICULTURE – The back-borne of Zimbabwean economy!!!
- Total poultry population is estimated at 20 million
- Population distribution according to farming sectors but about 70% of the total population (13 million) is rural.



Zimbabwe

Ostrich production

- Developing sector
- Extensive production
- Meat and leather production





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Export / Import

- Various export of poultry products in the sub-region & ostrich products internationally
- Sectors very dependant of sanitary risk
- Contrasted: highly controlled production systems near less strict small production units



Zimbabwe

Wild birds

- Widespread presence of wild birds distributed according to wetlands and river basin (Zambezi river)
- Follow-up is mainly the responsibility of BirdLife International – Used to be a Ornithological unit at the National Park Authority but not anymore
- Few available resource despite some volunteer associations



Zimbabwe

H5N1 Situation

- Free from HP H5N1: at risk like any other part of Africa today
- Risk analysis and Surveillance: serology in industrial sector only (Poultry & Ostrich)
- Control plan
 - Emergency plan: done
 - Vaccination: no
- Communication strategies
- HPAI Task Force (co- chairman S. Hargreaves)



Zimbabwe

Available data on HPAI & LPAI

- Outbreak of HP H5N2 in Ostrich in 2004 related to the SA outbreaks
- Impact on all the industrial sector
- No data on LPAI



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Newcastle situation

- Occurrence: endemic in rural poultry & wild birds
- Surveillance: mainly in the commercial products
- Vaccination: on-going; shortage of vaccines; local vaccine in development;



Laboratory Support

- National: Central Veterinary Laboratory (serology & PCR): lack of consumables & training
- Private: 2 private laboratories for first screening (commercial sector)
- Regional: OVI
- International: CIRAD/PADOVA



Zimbabwe

Preparatory missions GRIPAVI

- “Mesures d’Urgence” Avian Influenza in Avian Systems – AIAS & Steering Committee chaired by the Director of the Veterinary Services (Dr. S. Hargreaves) and Co-Chaired by the Dean of the Vet. Faculty of UZ (Prof. Mukaratirwa)
- Protocols in place for wild birds counting and sampling (first one in April 2007; next one beginning of July 2007)
- Results: not yet
- Agreement of poultry & ostrich sector to participate to the project and share database of serology



Zimbabwe

Preparatory missions GRIPAVI

- Questionnaire ready for industrial farms (poultry and chicken)
- Close collaboration with veterinary services (2 officers involved in the project)
- Close collaboration with National Parks (1 officer involved)
- 1 Mphil for one of the vet. Officer on Newcastle

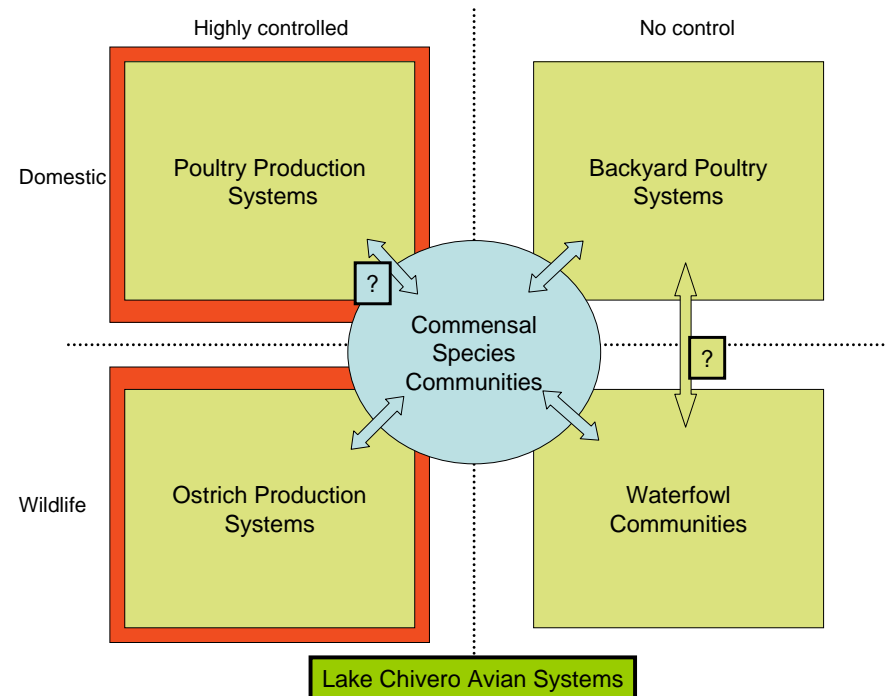


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- First phase:

- Description of communities of hosts in all 4 compartments
- Estimated prevalence in each compartments



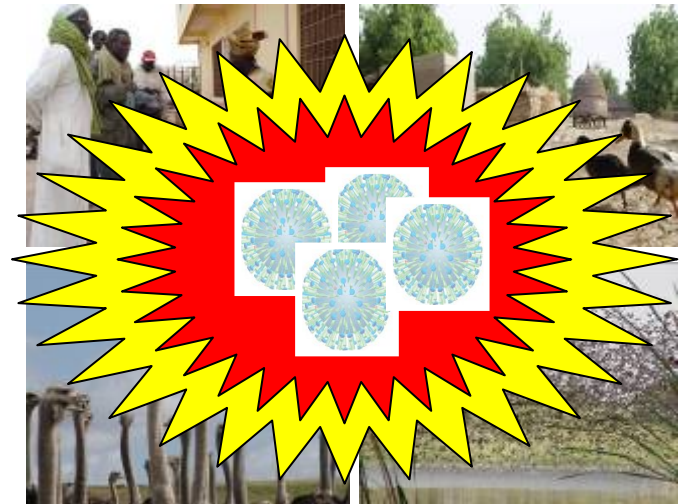
By the end of 2007



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- Second phase:
 - Identification of potential bridge species
 - Study protocols of bridge species at risk
 - Identification of interaction processes between avian populations





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Team:

Steering Committee for AIAS
(Mes. Urg.)

- 2 research assistants
(one from FPI – UCT)
- 2 veterinary staff (one doing its Mphil on Newcastle)
- 1 staff from national park
- 1 Phd student NUST-FPI





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Additional study needed:

- Environmental study (water mainly)
- GIS Study (done in collaboration with FPI)





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GRIPAVI

- Added value and comparative potential
 - Afro-tropical bird only
 - Ostrich production system
 - Collaboration with FPI → added means; added protocols



Conclusion on GRIPAVI **Zimbabwe**

- Based on « Mesures d'Urgences » AIAS project started in 01.07
- On-going longitudinal studies on various sectors
- Should describe a complex multi-sectors avian systems

