



ANIMAL GENETIC RESOURCE ACTIVITIES IN ZIMBABWE

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ANIMAL GENETIC RESOURCES

- Cattle;
 - Mashona, Tuli and Nguni
 - Afrikaner (RSA)
- Goats
 - Matebele goat;
 - Mashona goat;
- Sheep
 - Sabi;
- Pigs
 - Mukota



ACTIVITIES RELATED TO ANGR

- Incorporated section on conservation of AnGR in undergraduate curricula as section;
- Has full course on conservation of AnGR post graduate students.
 - Optional course;
- Characterisation of pigs and chickens
- Reinforced flock of Mashona goats at the UZ farm.
(Matebele flock is at Matopos);



CHALLENGES TO ANGR ACTIVITIES

- At UZ:
 - Inadequate funding;
 - Poorly equipped laboratory facilities;
 - Inadequate specific AnGR personnel (technicians and scientists);
 - collaboration with NARS is low;
 - low uptake of conservation (AGB) courses by students;



CHALLENGES (CONT..)

- At farmer and farmer organisation level:
 - Lack of farmer awareness;
 - Poor coordination of NGOs working with farmers;
- At national level
 - Lack of national livestock policy (and AB policy);
 - National focal point is not visible;



REQUIREMENTS TO CHANGE CURRENT SITUATION

- Continuing training and capacity building;
 - Technical staff (degree & diploma holders)
 - post-graduate training – critical mass of scientists;
 - AnGR/AGB-specific staff-development programmes;
- Funding;
- Policy advocacy;
 - livestock policy and animal breeding policy;
- Awareness creation through multi-stakeholder farmer engagement;
 - Extension staff;
 - Farmers and farmer organisation;
 - stakeholders in livestock industry;



LIVESTOCK RECORDING

- Makhoholi Research Station
 - national Mashona cattle herd (there other private farmers) – purchased 58 breeding females from private farmers ;
 - recording done in books and cards – not computerised;
- Matopos has herds of Tuli, Nguni, Afrikaner, Matebele goats and Sabi sheep;
 - purchased 60 breeding Tulis from private farmer;
 - recording is done in books and cards
- Livestock recording;
 - Computerisation of key national livestock institutions;
 - Development of national IMS;

TECHNOLOGIES AND INSTITUTIONAL ARRANGEMENTS

- Consider utilisation of artificial insemination and related technologies in indigenous herds at provincial and district levels;
- Development of partnerships that work
 - collaborative research between regional universities, government research institutions;
 - NGOs;
 - Farmer organisations;
- Harmonise activities of private breeders and govt.



POSSIBLE PARTNERS

- Regional/international universities;
 - Currently has relationships with Universities in RSA
 - link programme with Stellenbosch University;
 - KZN University, Fort Hare University, Venda and more recently UNW (RSA);
- NARS;

Requirements to engage partners: -

- Improved networking;
- Capacity building for partnership development;
 - PAEPARD route????;
 - Harmonisation of research and development interests among potential partners



FUTURE ACTIVITIES

- Characterisation of the remaining species;
- Development of a stud flock for Mashona at UZ Farm Teaching and Research Unit;
- Collaborative research with stakeholder universities;
- Incorporate AnGR conservation in the mandatory courses;

