

AnGR-activities – ongoing or just finished

- 1. Capacity building
- 2. Research
 - primarily in SSA in collaboration with ILRI
 - both Swedish and foreign students/scientists
 - mostly supported by Sida or Ministry foreign Affairs
- 3. Education training



Capacity building

ILRI – SLU project 2000-2011:

"Capacity Building for Sustainable Use of Animal Genetic Resources (AnGR) in Developing Countries

7 courses in SSA, SA and SEA

9 workshops

138 scientists across 46 countries trained

Science communication

Two courses in Nicaragua 2010-2011; Sida sponsored





Research projects

Trypanotolerance of 4 Ethiopian cattle breeds ILRI-EIAR-SLU project

- PhD project by Jennie Stein
- Field and exp station studies for phenotypic characterization
- The **SHEKO** breed found trypanotolerant but endangered
- A plan for conservation, multiplication and improvement of the breed is under way led by MoA, Ethiopia



PhD thesis 2011 by Roldan Corrales, Nicaragua

Population structure and Phenotypic Characterization as a Basis for Conservation and Sustainable Use of Reyna Creole Cattle

- Inbred and endangered breed, but records are kept in key farms
- breeding program proposed

Project supported by Sida/SAREC within a 25 year agr capacity building program between SLU and UNA



INFRASTRUCTURE FOR SUSTAINABLE UTILIZATION OF ANIMAL GENETIC RESOURCES IN SOUTHERN AND EASTERN AFRICA

E. Zonabend, A.M. Okeyo, J.M.K Ojango, S. Moyo, J. Philipsson



5th All African Conference on Animal Agriculture, Addis Ababa, 25-28 October 2010





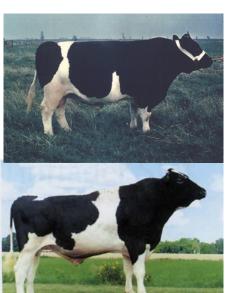


Conservation and improved productivity of sheep in East Africa

 Red Maasai, a breed with high potential under harsh climatic conditions, but endangered due to extensive crossbreeding with Dorper

ILRI – SLU-project in Kenya (Tanzania?)

- PhD-project for Emelie Zonabend, SLU
- sheep-recording for data collection and practical use
- population structure and genetic parameters
- assessment of breeding objectives
- design of pure breeding and sensible crossbreeding program



The breed concept as a measure of genetic diversity?

Breed name is not a unique genetic definition

What makes a breed extinct?

- Crossbreeding may be the most common reason
- Administrative decisions leading to name changes are common too – Swedish experiences



A survey of extinct breeds in four countries (continents) reveal many such cases

Study by Rawlynce Bett (SLU/ILRI)



Education/training at SLU

Tropical Animal Production (MSc course) Erasmus Mundus Animal Breeding & Genetics

- Masters program together with 4 other universities (countries)
- EU financed

Erasmus Mundus ABG PhD-program (new)

- together with 3 other universities