

**INTERCULTURAL EXPERIENCES –
OBSERVATIONS & EXPERIENCES IN WORKING
WITH INTERNATIONAL TEAMS IN RESEARCH**

OeAD AlumniTalks

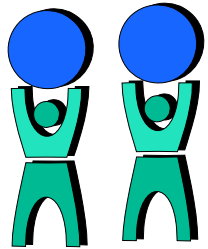
28th March, 2012

HELEN N. NAKIMBUGWE

Content

- Self introduction
- Studies in Austria
- Work in Uganda
 - NAGRC&DB
 - Research
 - Teaching at University
 - Other involvements

AGRICULTURE – Plants & Livestock



35 Million

- ✓ **85%** pop. live in rural areas
 - Agric. major contributor to their livelihoods
- ✓ **80%** total labour force - Agric.

- ✓ **75%** of total land area arable (241,548 km²)

- ✓ **40%** contribution to GDP

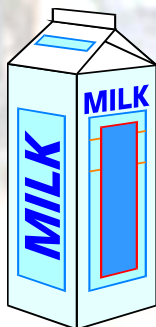


LIVESTOCK STATUS

IMPORTANT SUB-SECTOR IN AGRIC.

- **7.4%** GDP
- **17%** AGRIC. GDP
- **90%** OWNED BY PASTORALISTS, SMALLHOLDERS
- **2/3** MARKETED compared to **1/3** of CROP production

PER CAPITA AVAILABILITY



MILK **40** Its (FAO REC. **200** Its)



MEAT **5.6** kgs (FAO REC. **50** Kgs)



**NATIONAL ANIMAL GENETIC
RESOURCES CENTRE AND DATA BANK
NAGRC & DB**

- **Body corporate**
- **Operates on a commercial basis**
- **Undertakes developmental roles as directed and funded by Govt. or other funding agents - e.g promotes modern reproductive technologies**

REPRODUCTIVE TECHNOLOGIES AVAILABE

1. Embryo Transfer
2. Non-Pregnancy Diagnosis – radio active material used
3. Artifical insemination

Collect, process and distribute cattle semen from

Ankole



Friesian



LIQUID NITROGEN – LN₂

Production



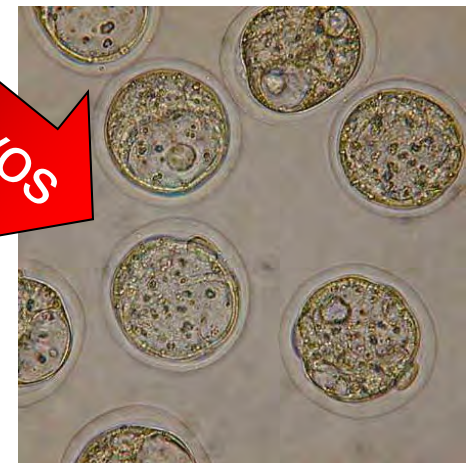
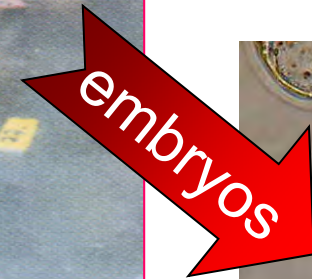
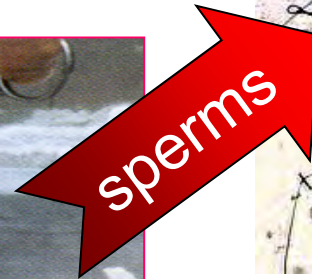
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Distribution



LIQUID NITROGEN – LN₂

STORAGE MEDIUM FOR SEMEN (SPERMS) & EMBRYOS



- 196°C

TRAINING

Training farmers




Training field staff



ANIMAL GENETIC RESOURCES FARMS - EXOTICS

 Farms

 Already earmarked for specific breeds



Boran & xF



Boer goats



Guernsey, Jersey



Bonsmara



Holstein- Friesian

ANIMAL GENETIC RESOURCES FARMS

for Conservation and Utilization of local genetics

Nsesere



Ugandan



Small E.A



Short horn Zebu



E.A black head

Nganda



Mubende

Ankole



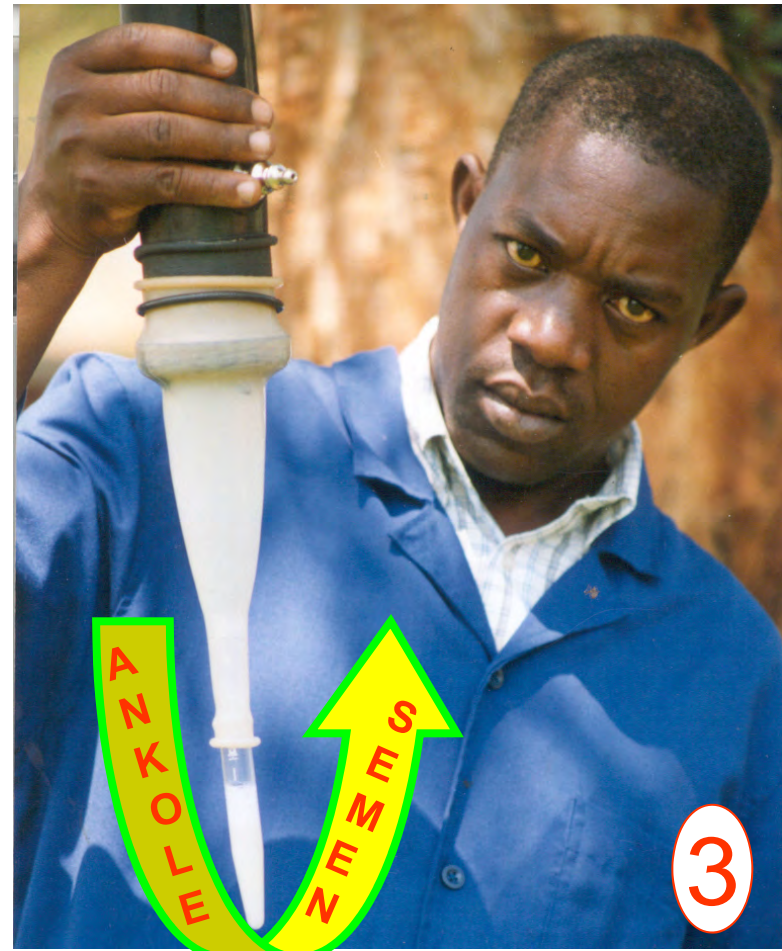
IN-SITU CONSERVATION

IN NATURAL HABITAT



EX-SITU CONSERVATION

OUTSIDE NATURAL HABITAT



LOCAL GOATS - MUBENDE



AGRICULTURAL SHOWS



TEACHING UNIVERSITY STUDENTS



TEACHING UNIVERSITY STUDENTS



FARM VISITS



FARM VISITS



FARM VISITS



FARM VISITS



GROUPS OF FARMERS



FARM VISITS



FARM VISITS



FARM VISITS



DEVELOPMENT PARTNERS

LOCAL

UNIVERSITIES`



EXTENSION



RESEARCH



NGOs



PRIVATE Co.

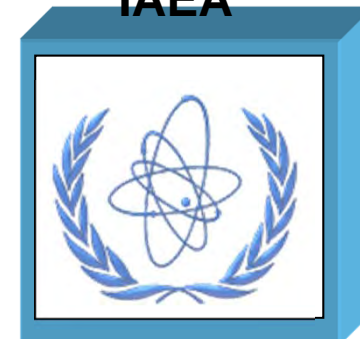


INT. BODIES

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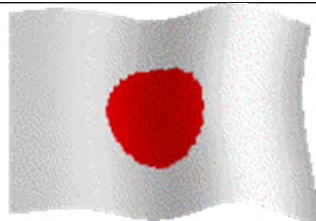


IAEA



BILATERAL DEVELOPMENT PARTNERS

Japan



✓ *Manpower devpt.*



Japan Int. Coop. Agency

Sweden



✓ *Manpower devpt.*

✓ *Research*



Swedish Int. Devpt. Coop. Agency

Denmark



✓ *Manpower devpt.*
✓ *Research*
✓ *Policy devpt.*
✓ *Infrastructure devpt.*



DANIDA

Danish International Devpt. Agency

Austria



✓ *Manpower devpt.*



Austrian Academic Exchange Service



✓ *Research/projects*

Univ. Nat. Resources & Applied Life Sc.

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PROJECT 1

AUSTRIA (BOKU) / UGANDA (NAGRC&DB)

1. Open Nucleus Cattle Breeding Programme in the Lake Victoria Crescent Region of Uganda



PROJECT 2

AUSTRIA (BOKU) / UGANDA (NAGRC&DB) / RWANDA / BURUNDI / TANZANIA / ILRI

2. Indigenous Selection Criteria and Genetic Diversity in the African Long-horned Ankole Cattle



1. TRADITIONAL BREEDING VALUES

Desired Horns



- large
- long
- heavy but well balanced
- wet glow on them
- white all the way to the tips
- graceful curving

1. TRADITIONAL BREEDING VALUES

Undesired Horns

Kakome

Phenotypic description

Nshara

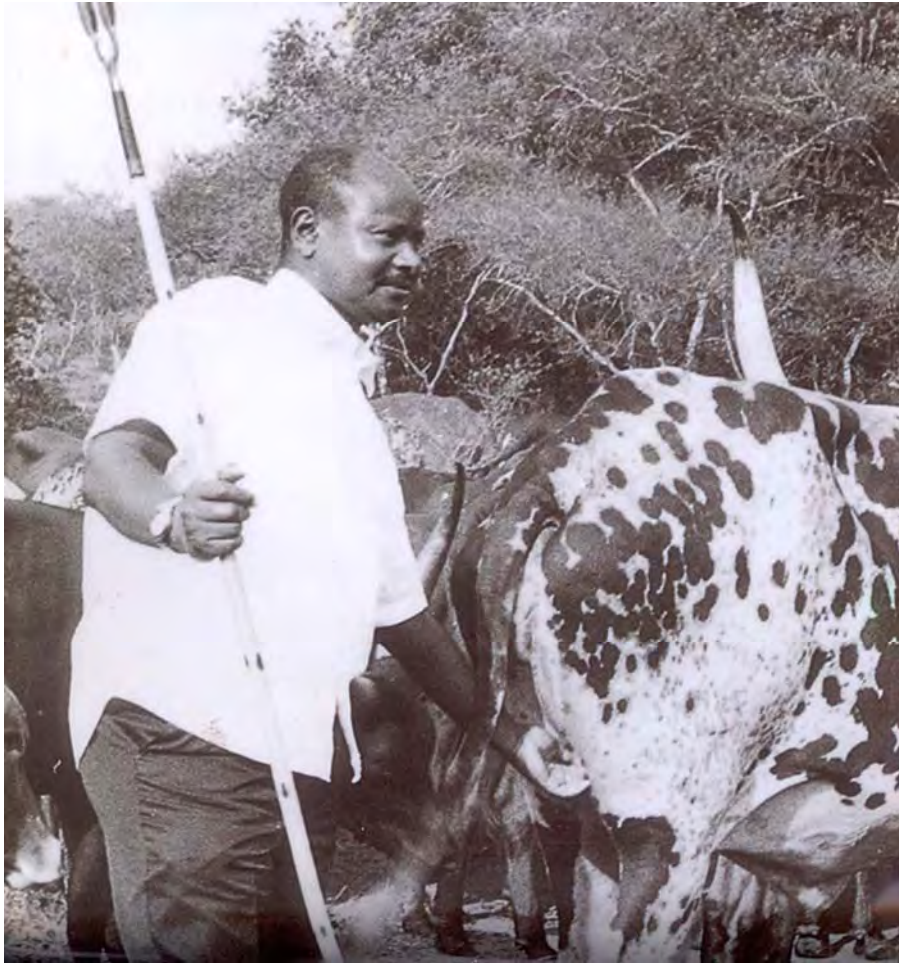


Horns curve in tightly



Loose horns falling downwards

2. ANTHROPOLOGICAL STUDY



- change in value systems
 - young and old
 - **cattle complex** – extensive ritual usage emotional attachment & identification with cattle
- Impact of politics



3. ETHOLOGICAL STUDY

Behavior of animals in their natural habitats



AUSTRIAN GREY CATTLE BREEDERS' SOCIETY COLLABORATION



Austrian Grey cattle



Uganda Zebu cattle

GREY X ZEBU CATTLE CROSSES



GREY X ZEBU CATTLE CROSSES



GREY X ZEBU CATTLE CROSSES



UK - SOFTWARE SUPPORT



UNIVERSITY OF READING - UK



UK- FARMERS' TRAINING



UK – GOAT FARM

TOGGENBURG GOAT BREED



UK - GOAT FARM



UK - GOAT FARM



UK - GOAT FARM



UK - GOAT FARM



SWEDEN RESEARCHERS UNIV. UPPSALA



PREPARATORY MEETING RESEARCH – E. AFRICA



PREPARATORY MEETING RESEARCH – ETHIOPIA



PREPARATORY MEETING RESEARCH – ETHIOPIA



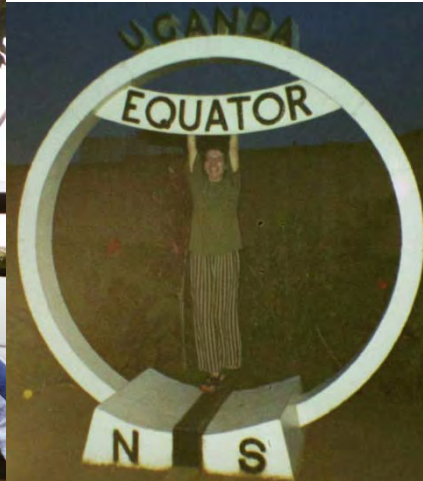
PREREQUISITE FOR COOPERATION

SHARE WITH



READINESS TO

EACH



OTHER

LEARN FROM



TRADITIONAL RESEARCHERS – HERBAL MEDICINE



TRADITIONAL RESEARCHERS – HERBAL MEDICINE



GOAL FRIENDS - NETWORK



GOAL FRIENDS - NETWORK



INZERSDORF CHURCH COLLABORATION



AUSTRIAN FRIENDS



GUIDING PRINCIPLES

- 3 Rs
 - Respect for Self
 - Respect for others
 - Responsible for your future & nation
- Priority
- Organised
- Discipline
- Leader is a reader
- Share – knowledge, material things etc.

GOLDEN WORDS

1. Some people always throw stones in your path. It depends on you what you make with them, Wall or Bridge?

Remember you are the architect of your life.

2. " So many people spend their health gaining wealth, and then have to spend their wealth to regain their health."