

# Field Activities of the FAO and IAEA Supporting Management of Livestock Genetic Resources

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**Joint FAO/IAEA Programme**  
Nuclear Techniques in Food and Agriculture

# Introduction

- Management of AnGR requires international cooperation
  - Transboundary breeds
  - Multi-national interests
- FAO is a logical cornerstone for such work
  - Independence and impartiality
  - Authority and legitimacy of UN
- Work is on several fronts
  - Policy making
  - Field Activities



# Field Operations of the FAO

- Headquarters in Rome
  - FAO field offices
- Joint FAO/IAEA Division for Nuclear Applications to Food and Agriculture in Vienna



# FAO/IAEA Support in Science and Technology

- Member States receive support in developing peaceful uses of nuclear and related technologies
  - Technical
  - Financial
- Developing countries often request support in Agriculture
  - Base to allow future development of other sectors



# Means of Support

- Coordinated Research Projects (CRP)
  - Adaptive research
- Technical Cooperation Projects (TCP)
  - Technology transfer
- Non-project Research activities
  - “Upstream” research and development
- Policy Support
  - Country Programme Framework



# Activities

- Integrated approaches for improving livestock production utilizing indigenous resources
- Participatory approaches
- Reproductive technologies
- Molecular genetic analyses
- Cryobanking for genetic conservation
- Record-keeping and animal evaluation
- Databases for delivery of genomic and characterization information
- Collaborative research



# Side Event Programme

- Mr. Badi Besbes
  - Field Activities of the FAO
- Mr. Olivier Hanotte
  - Collaboration among ILRI, FAO and IAEA
- Mr. Daniel Semambo
  - Field Activities in Uganda
- Mr. A.D.N.Chandrasiri
  - Field Activities in Sri Lanka



# Thank you



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# Coordinated Research Projects

- Address major issue to livestock production in developing countries
  - Driven by FAO/IAEA
- Collaborative studies
  - ~10 scientists from developing countries
  - ~5 scientists from industrialized countries as advisers
- ~5 year duration
- ~\$10,000/yr per scientist
- Research Network
  - Periodic meetings (3 to 4 per project) to discuss work
- Current project on Characterization of Small Ruminants in Asia



# Technical Cooperation Projects

- Technology Transfer based on country requests
- Projects are National or Regional in scope
- Larger budget than CRP (~\$100,000/year)
  - Equipment
  - Training
    - Fellowships
    - Expert visits
    - Training courses

