# Capacity Building for sustainable use of AnGR

## Follow up Workshop

## Ethiopia

# 1. Outline the activities of AnGR

- Teaching
  - Activities
    - Teaching Undergraduate at Jimma University
    - Teaching Graduate students at JU, Haramaya and Bahirdar Universities
    - The courses offered are Applied Animal Breeding and Animal Genetic resources conservation and Utilization
  - Outcome :
    - The knowledge of students on AnGR improved (> 200 studnts)
    - Contributed for the graduating of students and avail to the work forces demand
    - New teaching methods followed

# 1. Outline the activities of AnGR

- Research
  - Activities :
    - Supervision of M.Sc students at Jimma and Bahar Dar Universities
    - The supervision focused on Phenotypic characterization and Production systems studies
    - Produced a syntheses report on dairy production, Management and marketing systems in different Agro-ecologies in Ethiopia supported by IPMS, ILRI
    - Secure funds from USA Embassy to introduce suitable cook stoves in the rural setting
    - Characterizing Equine genetic resources of Ethiopia both at phenotypic and molecular level
  - Outcomes:
    - Produce a syntheses report on dairy production systems
    - M.sc thesis produced and students graduated
    - New info on equine genetic resources of Ethiopia generated for further decision making

# 1. Outline the activities of AnGR

- Services :
  - Activities
    - Provide a technical backstopping to dairy cooperatives
  - Outcome :
    - The dairy farmers have a regular support
  - Plan to conserve some of the threatened equine genetic resources of Ethiopia

# 2. Limiting factors in carry out the AnGR activities

- Trained human power in AnGR
- A limited national and international collaborations
- Poor leadership of dairy cooperatives
- Administrative loads
- A limited focus of the institution for advancing AnGR
- Financial constraints
- Slow participation of decision and policy makers to conserve AnGR

# 3. Changes to be in place

- Diversification of financial sources for AnGR
- Enhance collaborations with national and international institutions and work to secure projects
- Initiate M.Sc programs in Animal genetics and breeding
- Persuade the government to support funding for AnGR
- Planning conservation activities for AnGR at a national level

# 4. What to implement to enhance teaching AnGR

- Recording
  - Develop a simple recording system for dairy cooperatives
  - Transfer the data from a card to computer and use the record in the M.sc programs of JU
- Technologies
  - Adopt the Holeta Research center recording system
  - Use the molecular biology lab to teach and undertake research to advance animal genetics
- Institutional arrangements
  - Create a consortium that oversees recording of dairy cooperatives and university farm
  - Look for partners and sign MOU and make the collaboration active
  - To make the course team active in advancing research, teaching and services
  - AnGR issues must be incorporated in developing curricula

# 5. Choice of partnership

- Institutions to partner
  - ANY INSTITUTION IN A WIN-WIN SITUATION
  - International Livestock Research Institute
  - Moi University
  - Makrere University through negotiations
  - Sokoine University Agriculture
  - National, regional and international networking that focus on the conservation and sustainable utilizations of AnGR

- Engagement
  - Initiate the contact and sign MOU
  - Look for Joint projects

# 6. Other Planned activities AnGR

- Produce learning resources in AnGR
- Extend the services to dairy cooperatives in other towns such as Agaro
- Engage students to the dairy cooperatives
- Introduce community based genetic improvement in our curriculum
- Enact community based education in AnGR
- Finalizing Phenotypic and molecular characterization of AnGR, compiling previous works and setting up utilization options