

African Dairy Genetic Gains Program: Innovative private-public partnership for sustainable dairy productivity

Global Agenda for Sustainable Livestock



Food and Agriculture Organization of the United Nations



INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE



Key development challenges

- Inadequate availability of productive and adapted dairy cows for smallholder production systems
- Dairy farmers have limited knowledge and access to technical information enabling them to sustainably improve their dairy cattle productivity
- No national performance recording, hence no long-term genetic improvement program
- Input and market services are insufficient and where available are inefficient.



Livestock-based solutions/ interventions

- Development of national performance recording systems to support sustainable dairy cattle genetic improvement program in Africa.
- Smartly apply digital technology, especially mobile phone and ICT-based systems to collect herd data and deliver timely feedbacks and tailor-made education materials to dairy farmers
- Catalyze farmer-to-farmer benchmarking, hence, promote healthy completion, learning and productivity improvement.
- Leverage phenotypic/pedigree recordings to introduce genomic selection programs, thus hasten genetic gains.

Results and evidence

- >10,250 dairy herds and 6,560 animals registered on the Tanzanian performance recording platform and 3,200 herds and 5,150 animals on the Ethiopian platform
- >10,000 Tanzanian farmers and half of that in Ethiopia are receiving training material via their cell phones
- Genomic tools for crossbred bull certification developed and ready for testing and refining
- Systems for genetic evaluation of crossbred bulls already designed and the first recruitment of young bulls for local artificial insemination (AI) and natural breeding planned for early next year.
- Summaries of herd performance and reports being used to enable farmers make timely and informed decision about their farms
- Support to performance-based AI delivery systems developed and being implemented in Ethiopia and Tanzania.

Multiplier effects

- New partnerships to develop and deliver relevant farmers education materials being forged
- Public-private partnerships and multi-stakeholder engagements aimed at delivering more efficient breeding, other input and market services in place and more are being forged, nationally and internationally.

Contacts

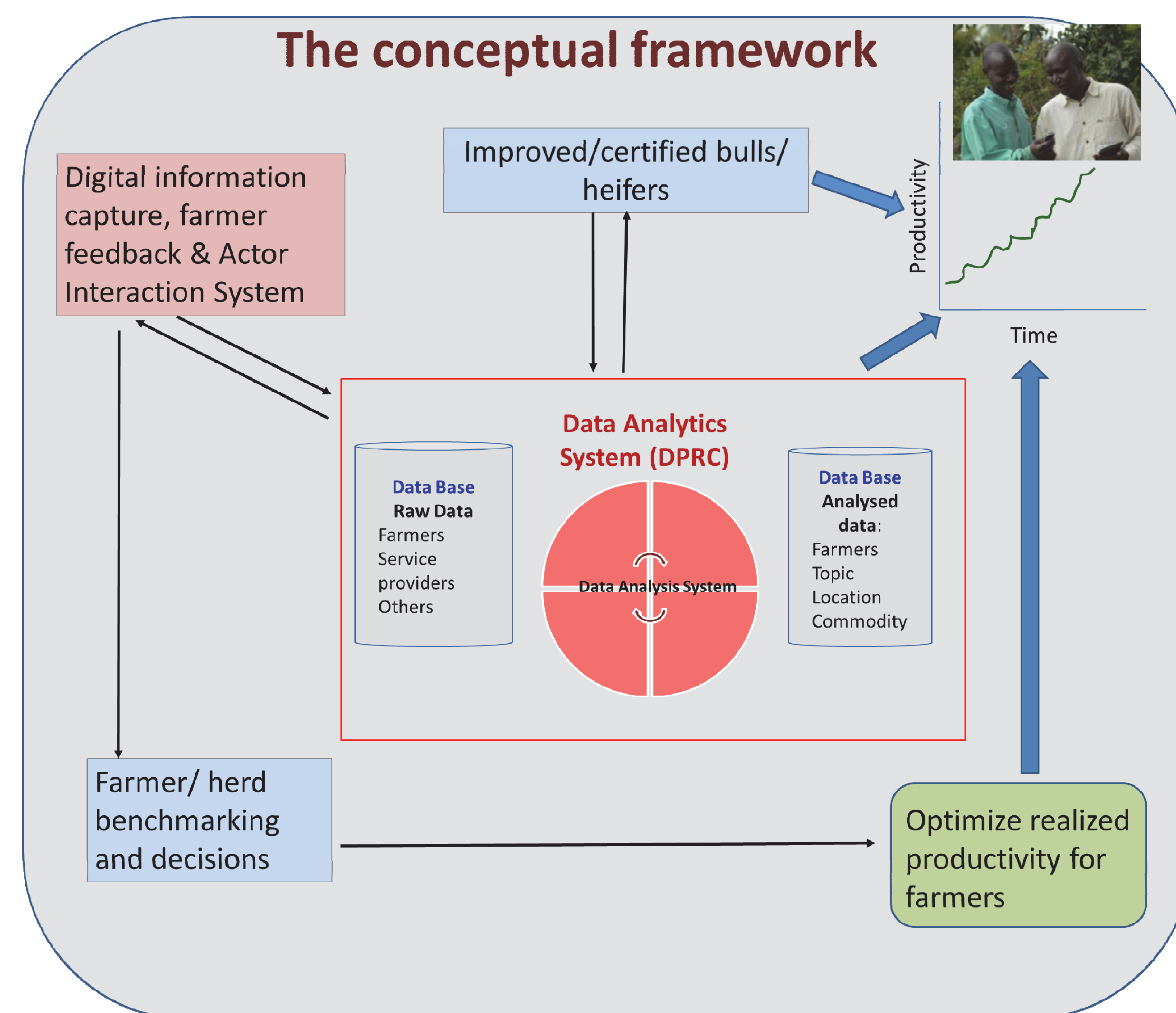
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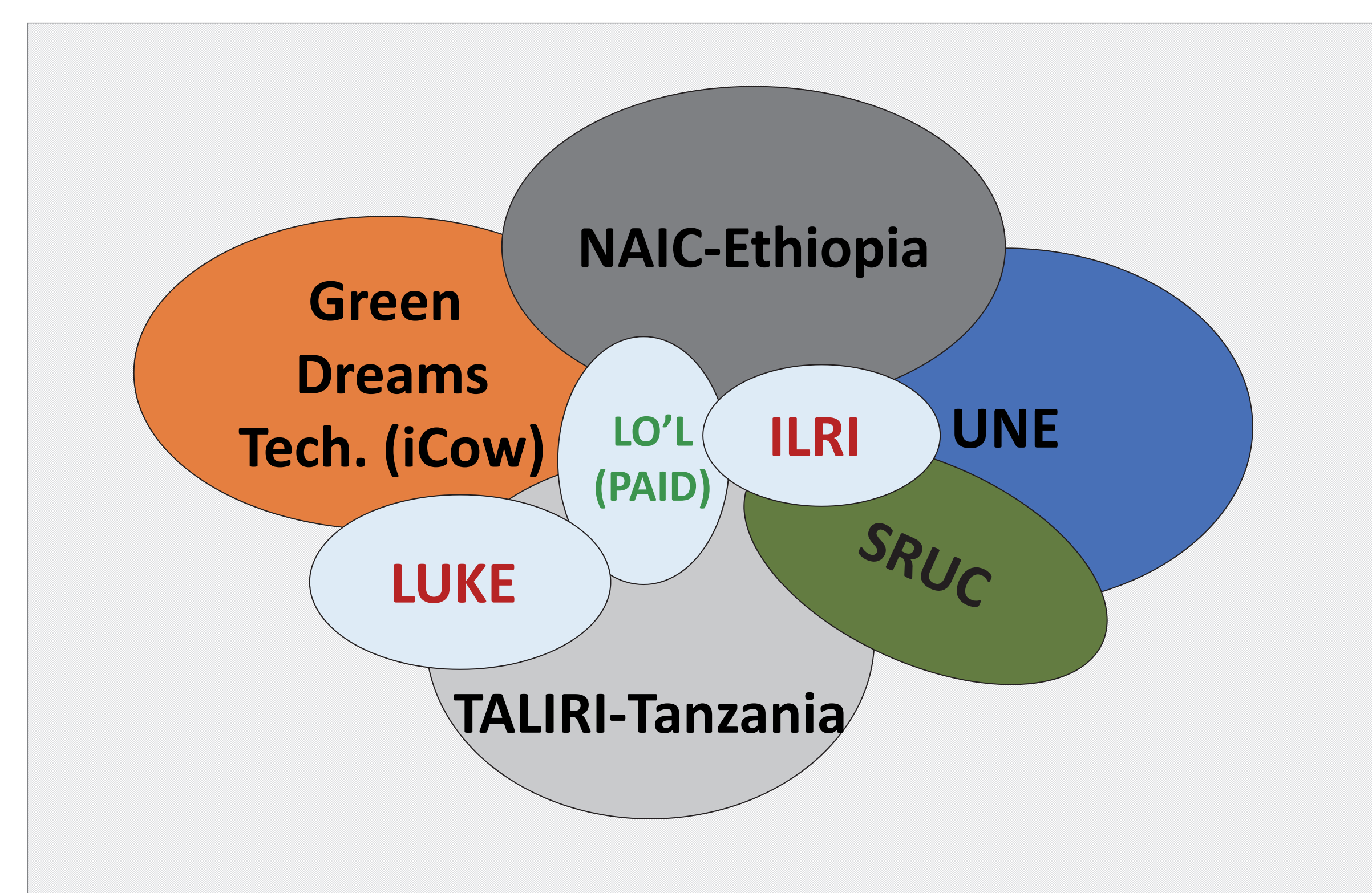
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Partners

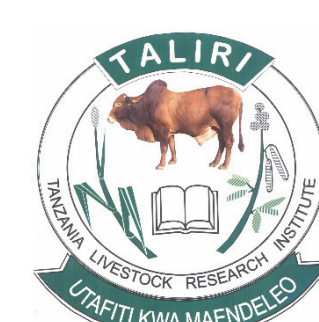


ADGG works closely with a Land O'Lakes International development-led-related BMGF investment—the Private-Public Partnership for Artificial Insemination Delivery (PAID) whose goals is to establish, model, promote and upscale sustainable delivery of artificial insemination services in Ethiopia and Tanzania.

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RESEARCH PROGRAM ON Livestock

7th Multi-Stakeholder Partnership Meeting
Achieving multiple benefits through livestock-based solutions, Addis Ababa, 8-12 May 2017

