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

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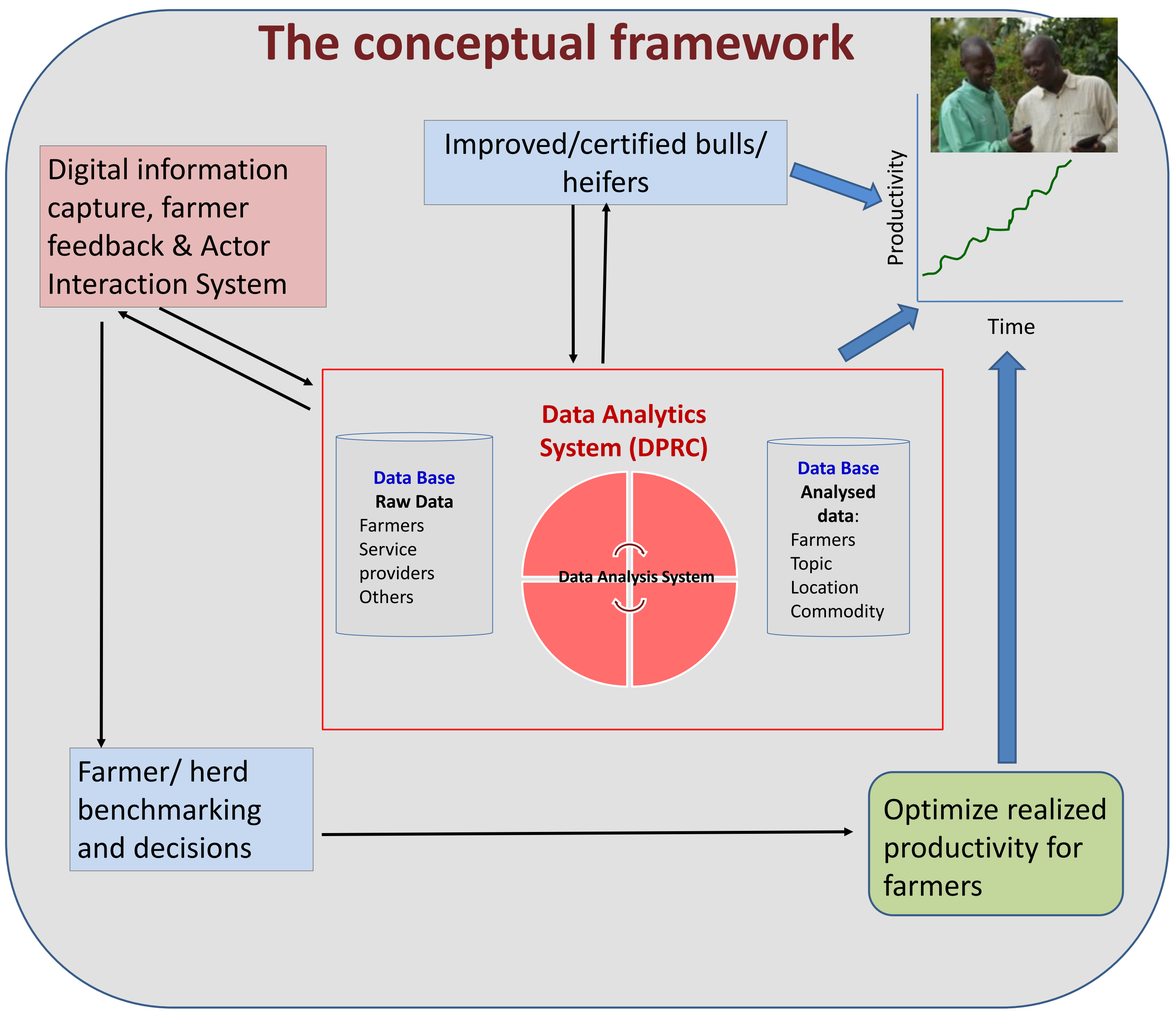
The development challenge

- Unavailability of productive and adapted dairy cows for existing production systems
- Dairy farmers have limited information and knowledge to inform and support sustainable productivity improvement
- Input and market services for dairy production are inadequate
- No reliable information on crossbred or improved bulls for genetic improvement of existing dairy animals

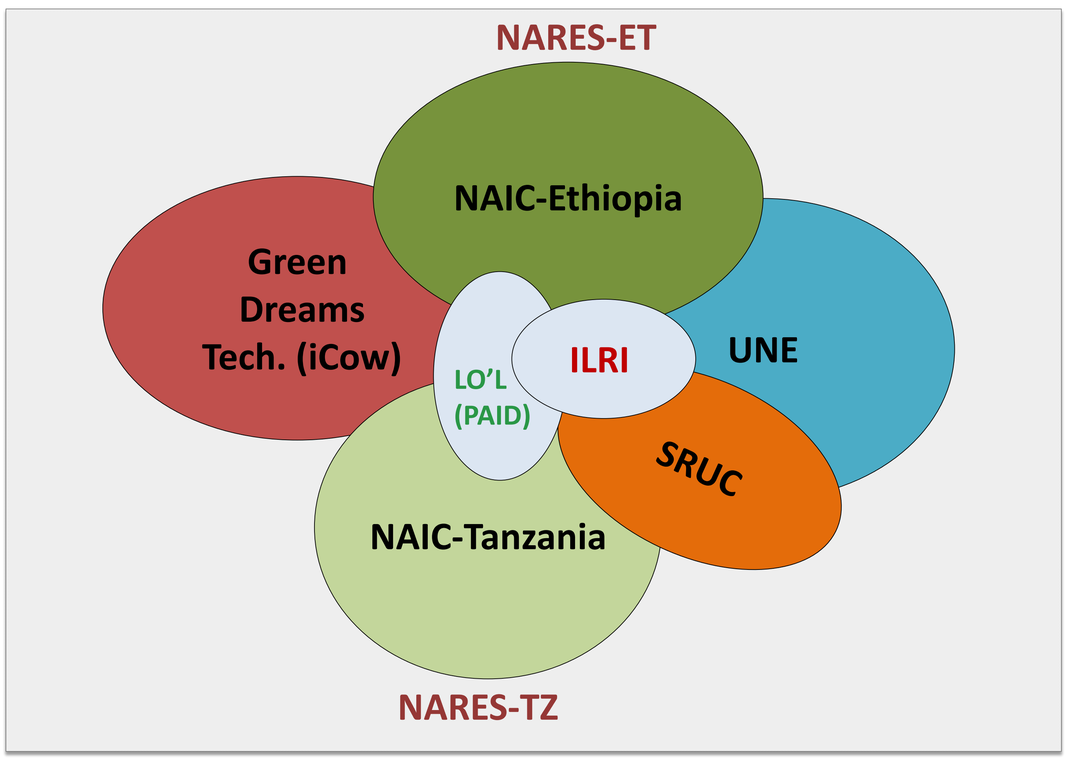
Expected outcomes

- Dairy farmer recording and information centres operating and reaching 12,000 farmers in Ethiopia and Tanzania
- Genetic improvement programs through natural mating and AI demonstrated
- Farmer information and management support services reaching 59,000 farmers in Ethiopia and Tanzania, expandable to 1 million farmers

The conceptual framework



Partners and how the work will be done



The interventions

The ADGG platform will

- Establish national performance recording and sampling systems in Ethiopia and Tanzania
- Use information generated and samples to develop systems to select crossbred bulls and cows of superior genetic merit for AI and natural mating
- Pilot farmer-feedback systems to support management decisions and improve productivity
- Develop public-private partnerships with a clear route to long-term sustainability

Partnerships

Project activities synergized to the BMGF investment in a Private-Public partnership for Artificial Insemination Delivery (PAID)—led by Land O'Lakes International Development —which will scale-out AI delivery and heifer multiplication in Ethiopia and Tanzania.

This partnership will also work with multinational and local dairy genetics companies to:

- Build capacity for financially sustainable, doorstep delivery of reliable AI services, and transition them into local franchises of the partner genetics companies.
- Support, incentivize, and monitor the performance of the technicians to train farmers and deliver to them ~2.5 million AI services.
- Leverage expertise of the private companies to enable national AI centres produce crossbred semen and digitally track field practice of AI.

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