



# CGIAR Research Program on Livestock

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Thomas Fitz Randolph, Director



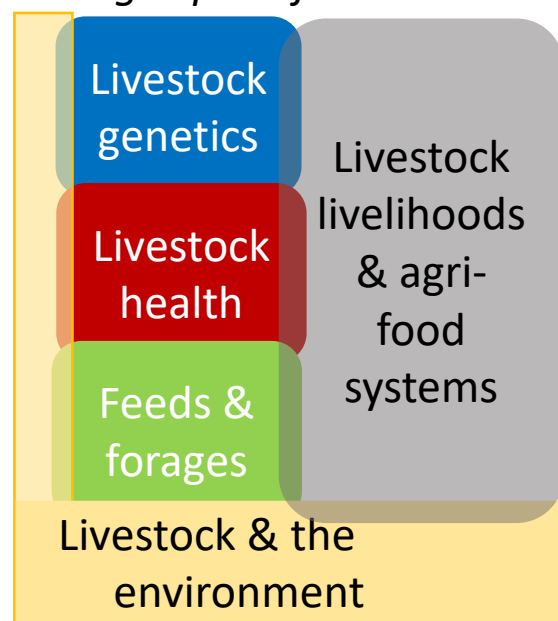
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PROGRAM ON  
Livestock



# Program Objectives

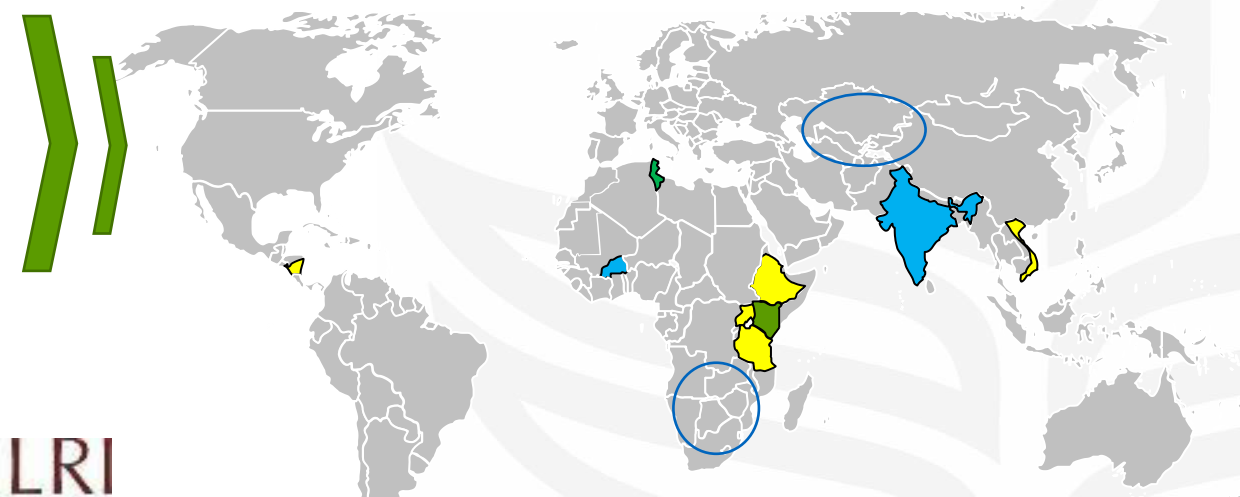
Goal: **A well-nourished, equitable and environmentally healthy world through livestock research for development** *More meat, milk and eggs*

Structured as 5  
Flagship Projects:



High-value products and rapidly increasing demand for animal-source foods, so contributes to all three CGIAR System Level Outcomes and 17 SDGs

Integrating our work in 4 priority countries:



Inclusive sustainable intensification:  
Ethiopia (small ruminants), Tanzania (dairy), Uganda and Vietnam (pork).



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# Program Impact



## Index-Based Livestock Insurance:

- In 2017, \$5 million paid out to 20,000 pastoralist households during drought in northern Kenya

## Ethiopia Livestock Master Plan:

- Adopted by government, guides investment projected to lift more than 2 million households out of poverty; has attracted \$365 million in public and private investment over the past three years

## Improved forage spreading widely:

- New hybrids of *Urochloa* and *Mulato* from CIAT will be growing on over a million hectares across 30 countries through private sector distribution by end of 2018

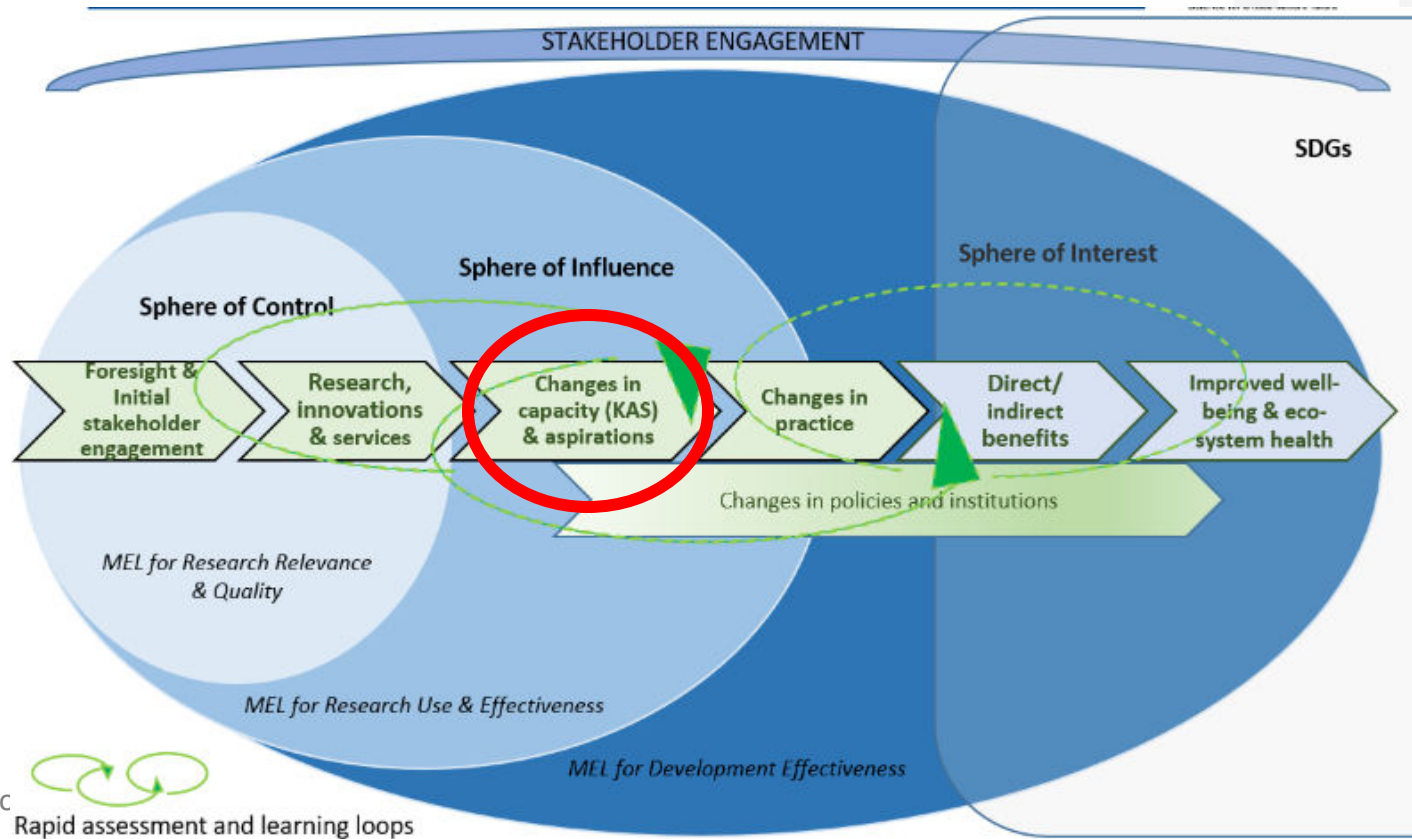
## Expanded capacity to deliver East Coast fever vaccination in Tanzania

- 3 new distributors of ITM vaccine established, over 200 vaccinators trained and improved curriculum introduced at national institution, with over 13,700 producer groups introduced to ITM vaccine

# Capacity Development

## 1- Challenges

- CGIAR Theory of Change recognizes **changes in capacity** are critical to translate research outputs into uptake and impact





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# Capacity Development

## 1- Challenges

- CGIAR Theory of Change recognizes **changes in capacity** are critical to translate research outputs into uptake and impact
- Included explicitly as set of **cross-cutting Intermediate Development Outcomes (IDOs)**
- But CGIAR has very **limited capacity** itself to implement capacity development like a university, an NGO or an extension service
- So **how to enable capacity development strategically and at large scale for a range of next users?**
- Potential targets:
  - National and local research capacity to support continued adaptive research for innovations
  - NGOs and traditional extension services
  - Other channels to reach end-users esp. ICT, mobile phones
  - Strategic partnerships

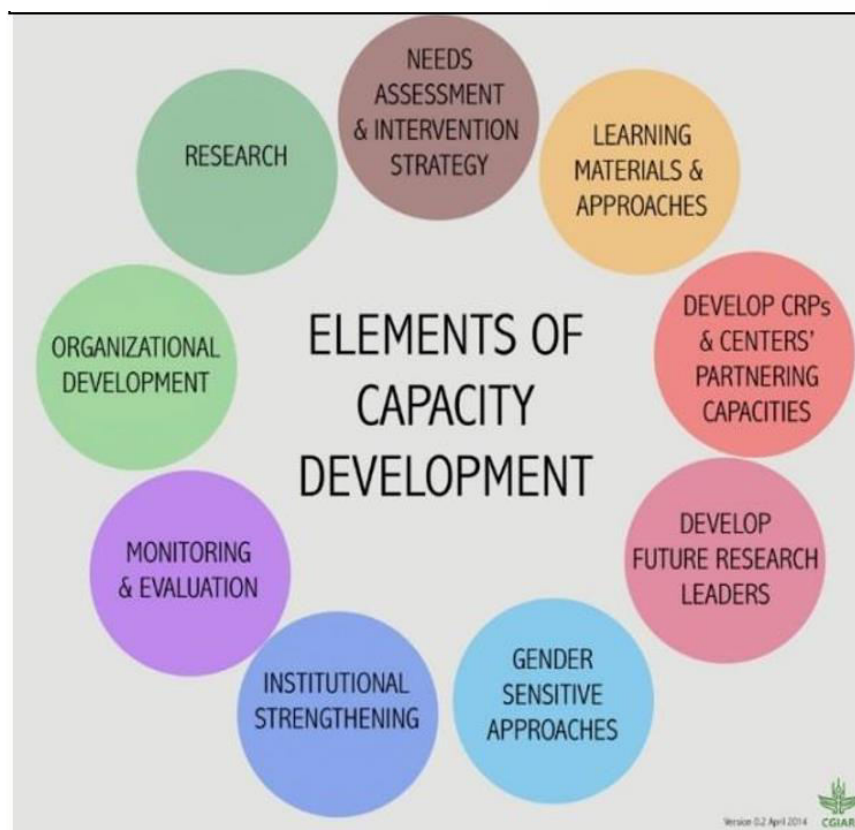




# Capacity Development

## 2- Solutions

- CGIAR Capacity Development Framework
  - Identifies 9 elements



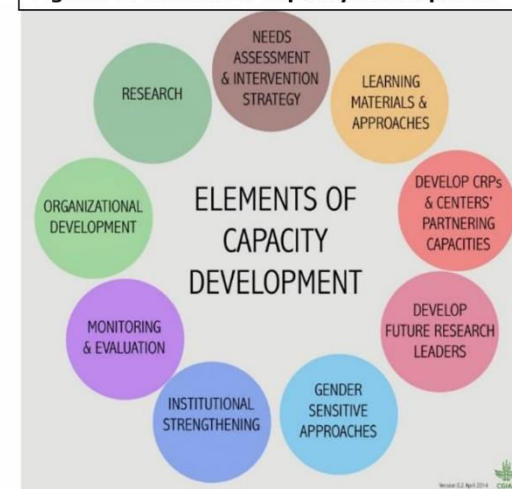


# Capacity Development

## 2- Solutions

- CGIAR Capacity Development Framework
  - Identifies 9 elements
  - Shifts focus from individual to organizational capacity development
  - Offers an integrated approach to how CGIAR and its partners can successfully integrate capacity development into CRPs.
- Our approach in the Livestock CRP
  - Needs assessment in focus countries to define **Capacity Development Strategy**
  - Priority areas identified to develop:
    - Training methods capacity
    - Partnership management capacity
    - Overcoming extension barriers to communicating with farmers and pastoralists
    - Digital extension solutions
    - Targeted advocacy messages
    - Project management skills for staff

Figure 1: Elements of Capacity Development<sup>1</sup>

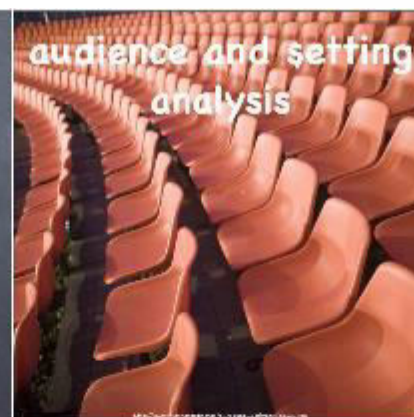
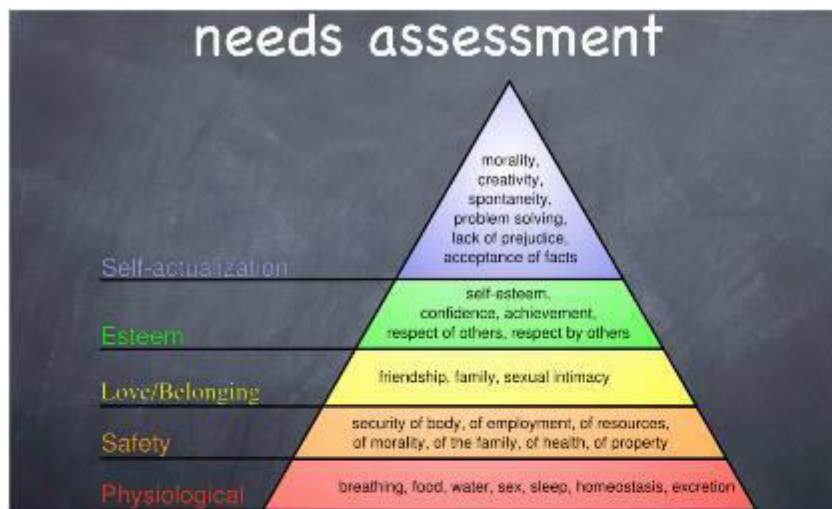






# Capacity Development

## 3- Future outlook and innovations







# Capacity Development

## 3- Future outlook and innovations

- Prioritizing capacity development investment of effort: What will yield most uptake and impact?
- Developing expectation of capacity development plans as part of research product development
- Managing as cross-cutting theme: Budget and outputs embedded as part of research activities, so difficult to track
  - Is appropriate level of investment being made?
  - Is investment generating adequate level of outputs?
  - Is capacity development contributing effectively to progress to outcomes?
  - Are CapDev experts being involved?





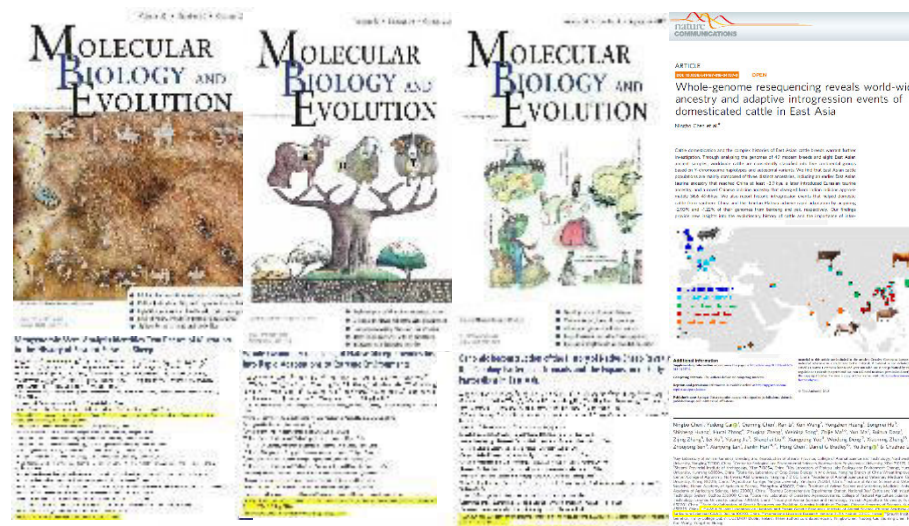
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# China and Livestock

中国农业科学院-国际家畜研究所  
畜禽牧草遗传资源联合实验室



CAAS - ILRI Joint Laboratory  
on Livestock and Forage Genetic Resources



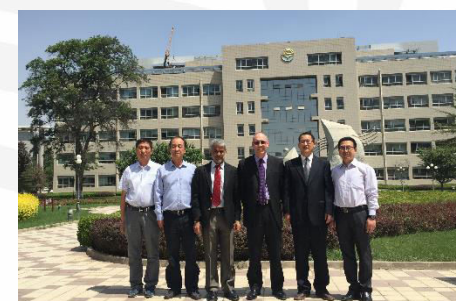
**15 collaborative research projects  
from FAO, IAEA, GEF, ILRI,  
China government completed**

**30 peer-reviewed  
SCI-indexed  
publications**

**>50 Chinese Master and PhD  
students and 60 visiting scientists  
and joint students trained**



CAAS-ILRI Joint Laboratory for  
Ruminant Disease Control (JLRDC)  
based at Lanzhou Veterinary  
Research Institute



# Thank you



## Xiè xiè dà jiā de guān zhù