

# Cattle in sustainable, healthy food systems:

Better lives through livestock

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perspectives from Africa

Thursday 24 June 2021

Global Roundtable for Sustainable Beef webinar: The significance of animal protein



#### Africa's cattle



Africa is home to 360 million cattle Ethiopia has the most with 63 million Kenya has 21 million



Raising cattle

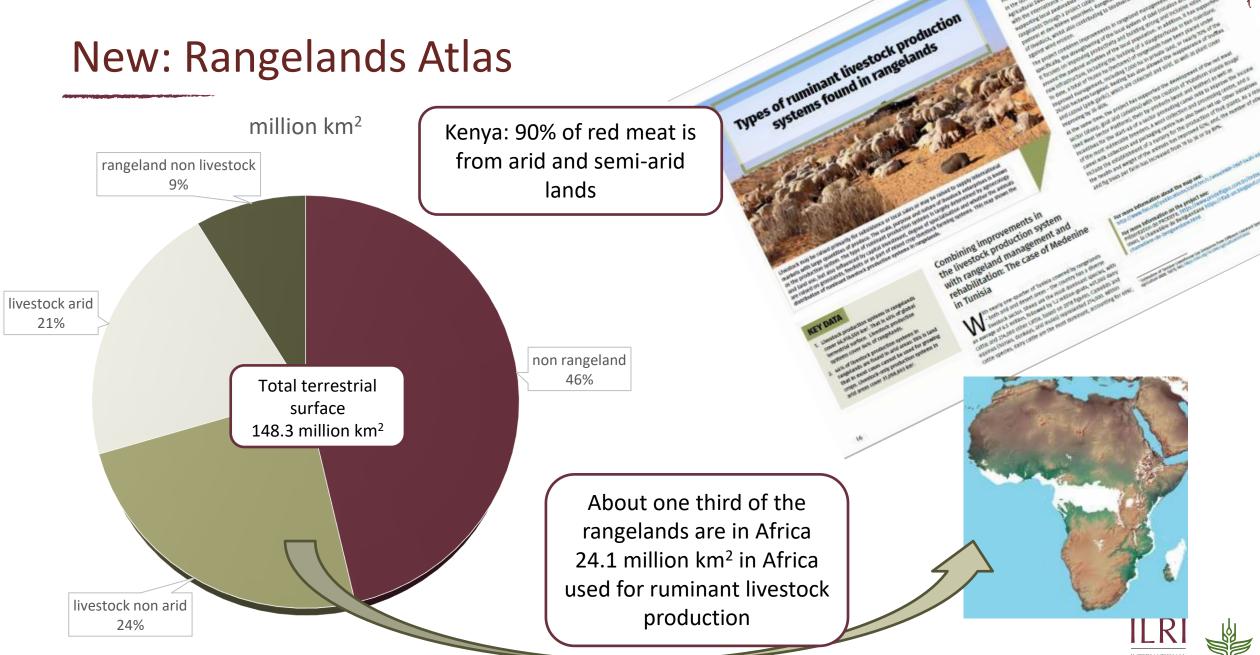


#### Cattle are raised

- On small farms and
- On Africa's vast rangelands



## New: Rangelands Atlas





https://www.nature.com/articles/s41588-020-0694-2

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Article | Published: 28 September 2020

#### The mosaic genome of indigenous African cattle as a unique genetic resource for African pastoralism

Kwondo Kim, Taehyung Kwon, Tadelle Dessie, DongAhn Yoo, Okeyo Ally Mwai, Jisung Jang, Samsun Sung, SaetByeol Lee, Bashir Salim, Jaehoon Jung, Heesu Jeong, Getinet Mekuriaw Tarekegn, Abdulfatai Tijjani, Dajeong Lim, Seoae Cho, Sung Jong Oh, Hak-Kyo Lee, Jaemin Kim, Choongwon Jeong, Stephen Kemp, Olivier Hanotte <sup>™</sup> & Heebal Kim <sup>™</sup>

Nature Genetics 52, 1099-1110 (2020) | Cite this article



### Beef



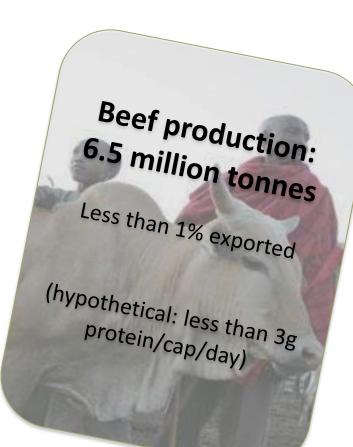
Cattle raised for meat

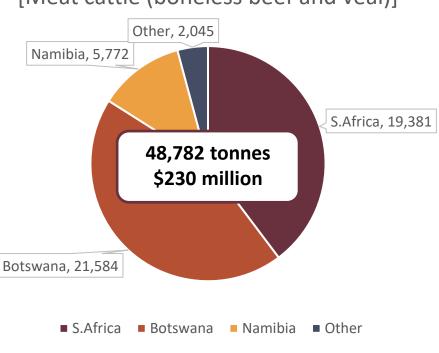


### Africa beef production and trade, 2018

## Export [Meat cattle (boneless beef and veal)]





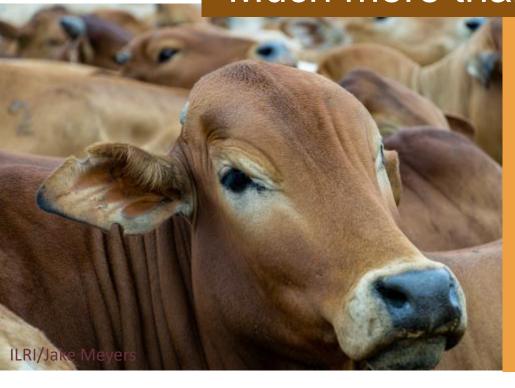


Import bill for cattle meat \$1.5 billion





#### Much more than beef



Across much of Africa livestock including cattle raised for beef have multiple functions

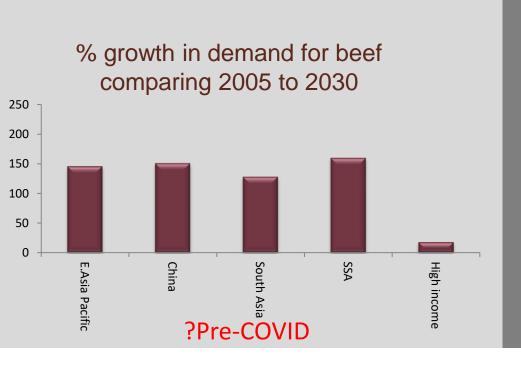


Healthy, well-cared-for and productive animals [cattle, sheep, goats, poultry, swine....] contribute to sustainable, healthier and inclusive future livelihoods worldwide



UN Nutrition

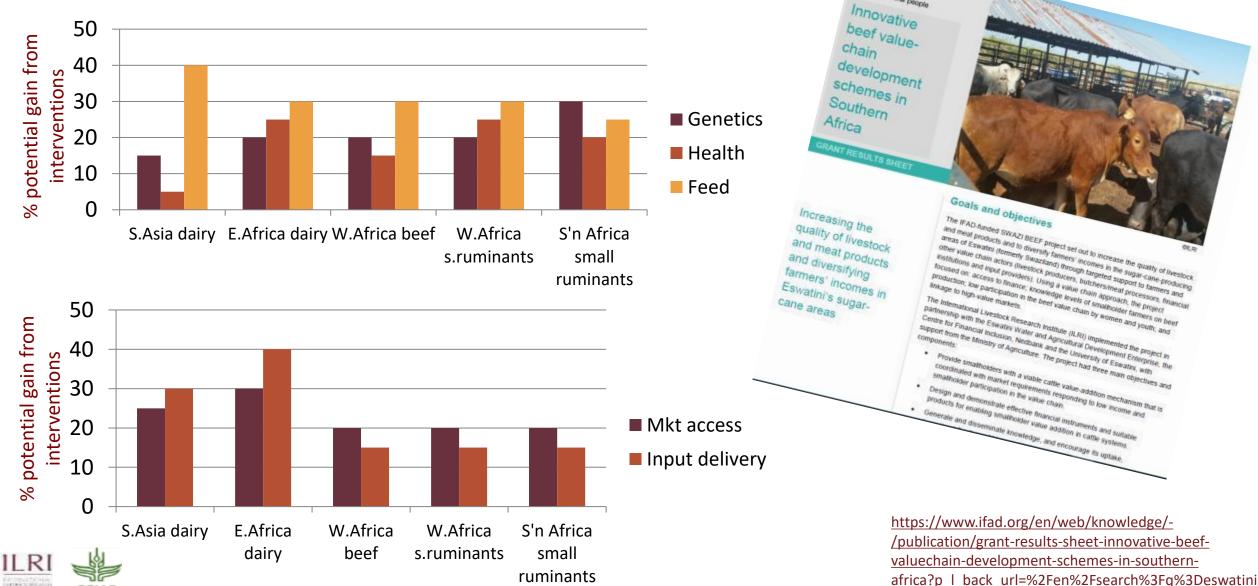
## But change is needed



Address demand (double 2018 by 2030?)
Contribute to development
Mitigate harms



# Using technical, market and institutional interventions to assess yield gaps



JUIFAD

# Contribute to development; mitigate harms..... Common destinations, multiple, different pathways



Production efficiency Environmental stewardship

.....efficient, low-carbon, sustainable livestock production that supports rather than harms the environment.....



Intentional engagement and empowerment of women

.....inclusive, fair, equitable livestock systems......



Consumption (wealthy) Access, affordability

.....affordable, accessible, balanced, nutritious diets that include the choice of healthy livestock-derived foods



Food safety
AMR
Endemic
diseases

.....healthy animals, safe food, healthy people....



Equity New opportunities .....every opportunity for every citizen and every nation to benefit fully from multiple livelihood and economic dimensions from sustainable livestock.....











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