

ACCOUNTING FOR PASTORALISTS OF KENYA AND UGANDA

A REVIEW OF AVAILABLE PUBLISHED DATA SETS

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AREA & POPULATION

KENYA

AREA: 580,367 sq kms

POPULATION: 47.6 mill

UGANDA

AREA: 241,038

POPULATION: 43 mill

PASTORALIST AREAS UGANDA AND KENYA



DESCRIBING PASTORALISTS

KENYA

ETHNIC GROUPS

- Borana*, Gabra, Maasai*, Pokot*, Rendille, Samburu*, Somali Turkana and smaller groups.

LOCALITY

- 13 Arid & Semi- Arid (ASAL) Counties.

NUMBERS

- 8.8 mill people (1.73 mill HHs) “ethnic” pastoralists
- Many moved to towns and cities
- 4.0 mill individuals (0.8 mill HHs) dependent on livestock (57%)

UGANDA

ETHNIC GROUPS:

- Bahima/Abanyankole, Karamojong, Basongora, Itesot. Baruli, Banyarwanda.

LOCALITY:

- 24 Districts in the Cattle Corridor.

NUMBERS

- Vary widely (1 to 10 million) - actual number around 5 million (1.1 million HHs).

DESCRIBING PASTORALISTS

KENYA

PRODUCTION

- Cattle and camel Cultures
- An economic & cultural identity
- Production System: Intensive, semi-intensive & extensive
- Livelihoods: Farmers, Agro-pastoralists, Pastoralists & ranchers

PRODUCTS

- 70% cattle, 87% sheep, 81% goats, 88% donkeys, all camels & 74% beehives.
- Milk, beef, chevron, mutton, camel meat, honey, beeswax, donkey skins.
- Attraction as a tourist destination
- Local breeds adapted to harsh conditions – Cross-breeding- Red Maasai sheep x Dorper

UGANDA

PRODUCTION

- Cattle Cultures
- An economic & cultural identity
- Production system: Intensive, semi-intensive & extensive
- Livelihoods: Farmers, Agro-pastoralists, Pastoralists & ranchers

PRODUCTS

- 19% of the country's agricultural GDP, 90% of livestock products
- 95% of the indigenous cattle, and 85% of the milk.
- Milk, beef, chevron, mutton, camel meat, honey and beeswax and donkey skins and meat.
- Local breed adapted to harsh conditions - Cross-breeding – Ankole x Friesian

ECONOMIC CONTRIBUTIONS

LIVESTOCKS PRODUCT BASED ESTIMATION

(Behnke et al 2011/12-IGAD)

PARAMETERS	VALUE IN US\$	
	KENYA	UGANDA
Total	2.4 billion (National: 5.1 billion)	0.299 billion
<input type="checkbox"/> Milk	1.08 billion	0.147 billion
<input type="checkbox"/> Live animals & Meat	0.64 billion	70 million
<input type="checkbox"/> Manure	0.31 billion	-
<input type="checkbox"/> Blood	-	0.1 million
<input type="checkbox"/> Financial Services	0.42 billion	75 million

ECONOMIC CONTRIBUTION CONT..

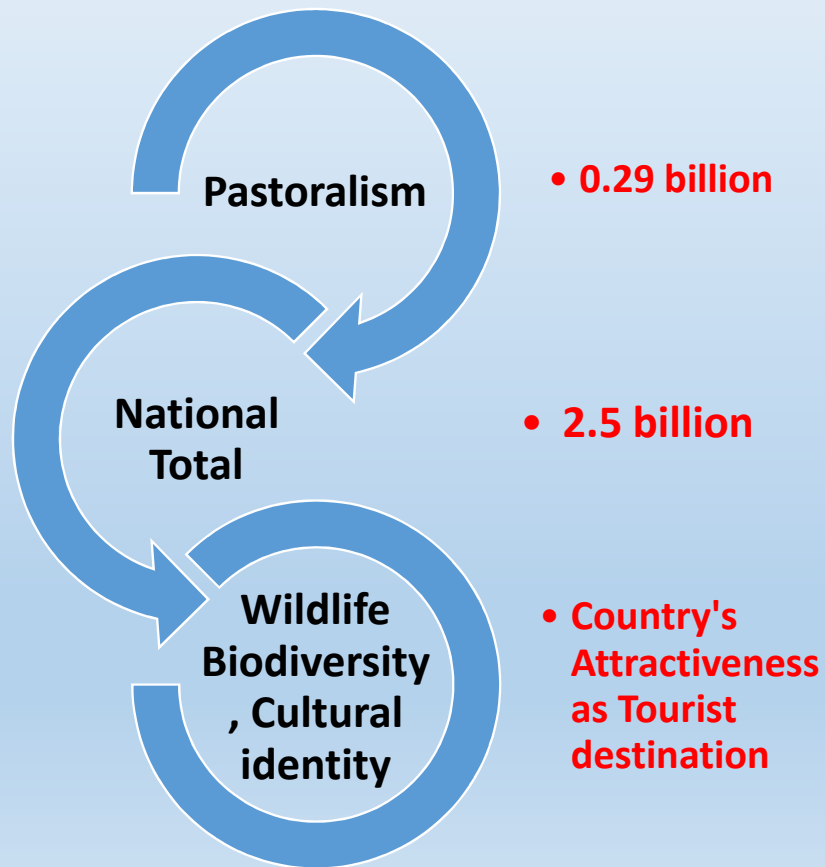
TOTAL ECONOMIC VALUATION OF PASTORALISM

(Nyariki et al 2019)

PARAMETERS	VALUE IN US\$	
Total	1.13 billion	
<input type="checkbox"/> Livestock	1.04 billion (92%)	
<input type="checkbox"/> Other products (honey, services etc.)	0.09 billion (8%)	

TOURISM

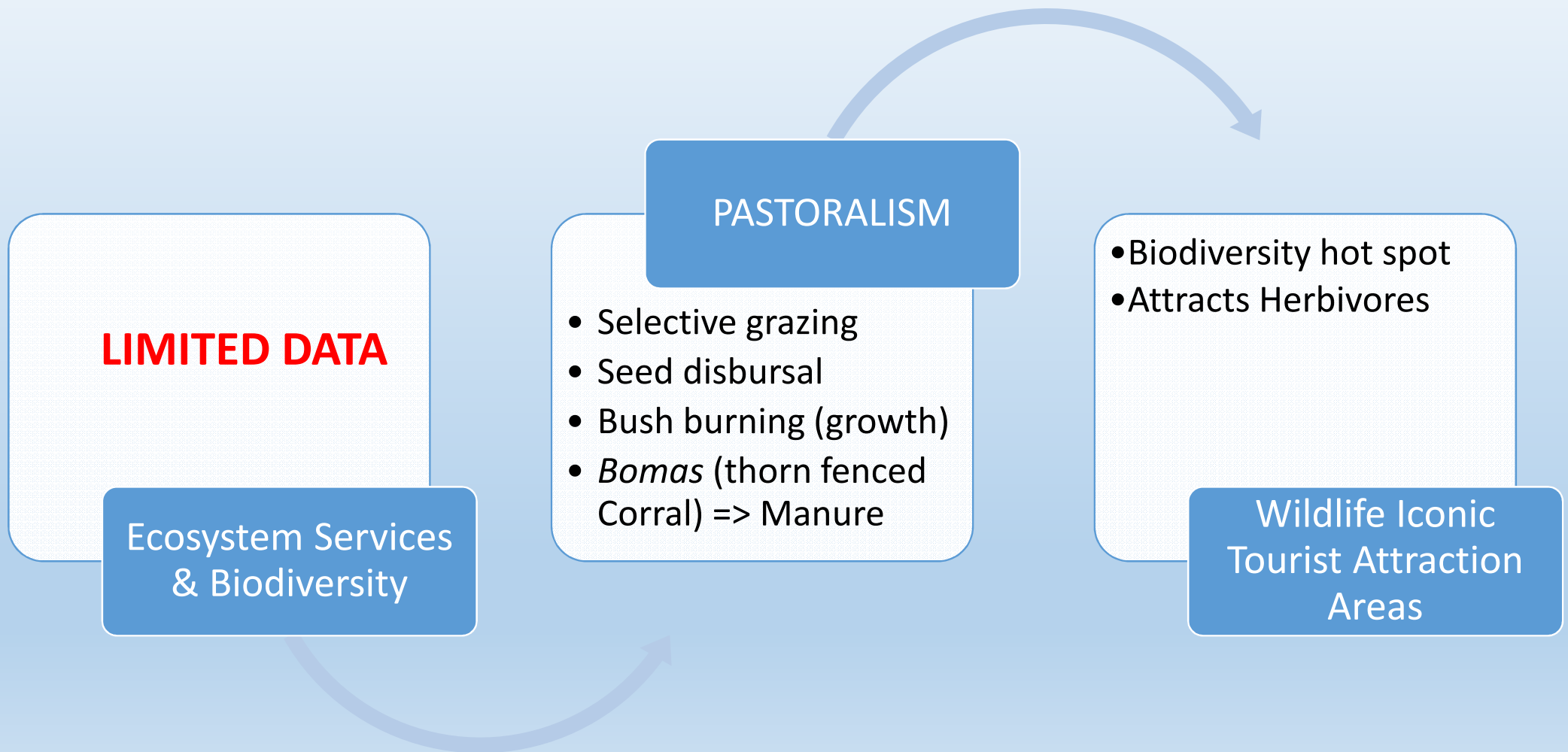
KENYA



UGANDA



ECOLOGICAL CONTRIBUTION



DEFINITIONS OF PASTORALISM

KENYA

Government of Kenya Draft National Livestock Policy 2019 official definition:

“an economic activity and a cultural identity that takes advantage of the characteristic instability of rangeland environments through strategic mobility, where key resources such as pastures, nutrients and water for livestock becomes available in short-lived and largely unpredictable concentrations”.

UGANDA

No country specific definition for pastoralists - many authors quoting general global definitions

“as people for whom livestock traditionally contribute significantly to their livelihoods and incomes.

“mainly extensive livestock production system with or without mobility”

“almost exclusively cattle herders occupying the “Cattle Corridor” rangelands

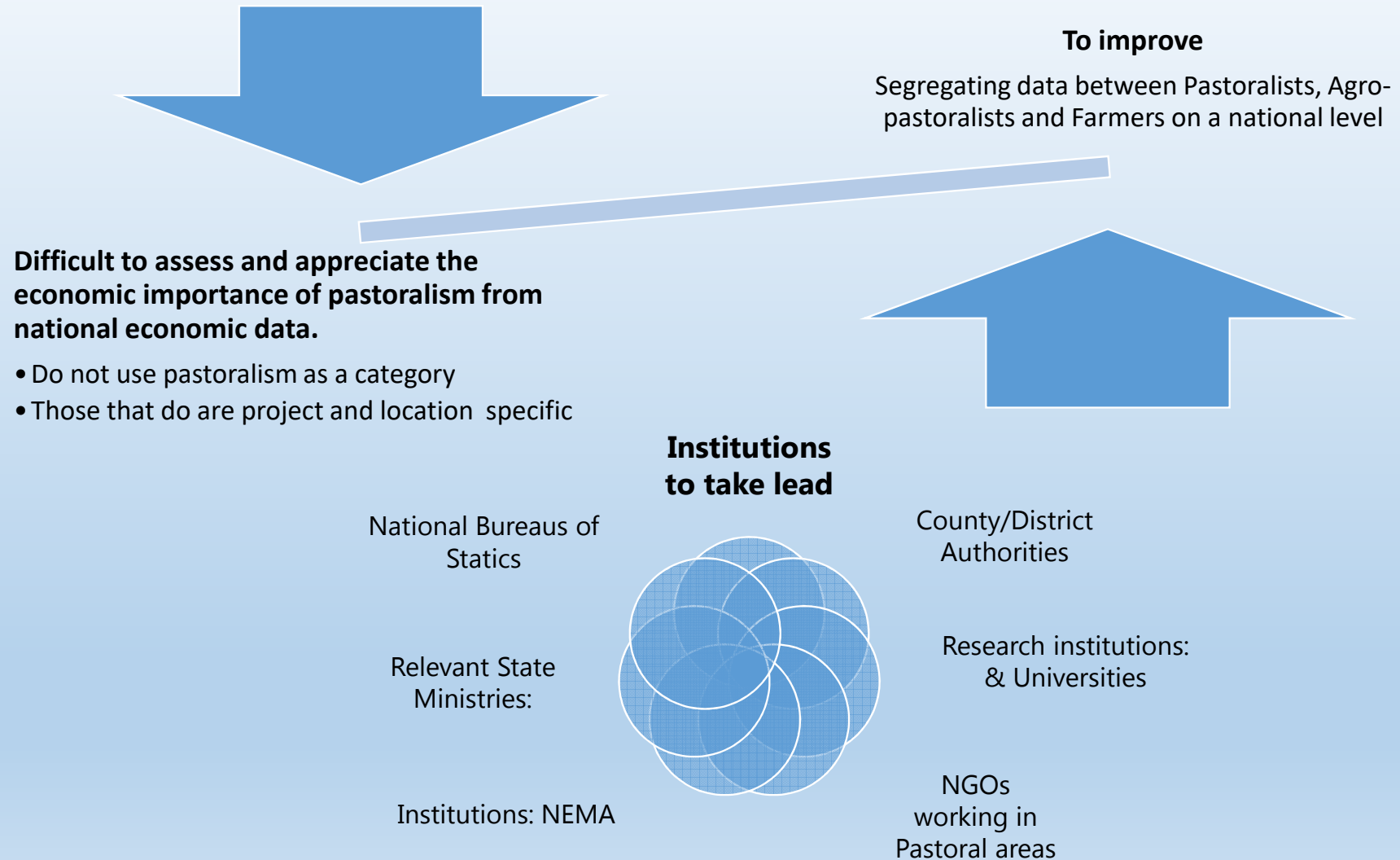
“more than just Karamojong and Bahima/Banyankole”

DATA ON PASTORALISM

- Official surveys do not use a 'pastoralism' category, but distinguish between intensive, semi-intensive and extensive livestock production systems.
- In Kenya, 13 ASAL counties are populated by pastoralists and numbers can serve as proxy for estimating number of pastoralists.
- In Uganda, 24 districts of cattle corridor can do the same.
- Livestock censuses are carried out very irregularly - latest 2009 in Kenya and 2008 in Uganda.
- Livestock numbers often fluctuate very much due to frequent droughts and raiding.
- Human population & Housing census do not provide data on pastoralists household economics from livestock.



HOW TO IMPROVE THE DATA SITUATION







DATA SOURCES

Kenya

Institution	Parameters	Area covered	Years covered	Accessibility
Kenya National Bureau of Statistics				
Population & Housing Census	Number of households	 Nationwide	2019, every year	Bureau website
Ministry of Agriculture, Livestock and Fisheries and Kenya National Bureau of Statistics				
Kenya Livestock Population Census	Number of cattle, sheep, goats, camels, donkeys, chickens	 Nationwide	2009, very irregular	Ministry website
Ministry of Agriculture, Livestock and Fisheries, Kenya Livestock Insurance Programme				
Index based livestock insurance	Livestock holdings and mobility	 Sampled counties	2010–18, piloted by International Livestock Research Institute	ILRI and ministry websites Grey data from ministry library
Food and Agriculture Organization of the United Nations				
Number of cattle, sheep, goats, camels, donkeys, chickens		 Nationwide	2015, yearly	FAO website
Intergovernmental Authority on Development and Kenya National Bureau of Statistics				
IGAD LPI Working Paper No. 03-11.	Economic contribution of livestock	 Nationwide	2011, one-off	IGAD website
Researchers				
Nyariki and Amwata	Value of pastoralism in Kenya using total economic value approach	 Pastoral regions	2019, one-off	Online, Springer Open Access
Krättili and Swift	Counting pastoralists in Kenya	 Mandera, Marsabit, Turkana and Wajir	2014, one-off	Online, Researchgate
NGOs				
Household Economic Assessment	Pastoralists' household incomes	 Project areas	Project-dependent	Grey literature from NGOs
National Drought Management Authority				
Hunger Safety Net Programme	Livestock holding and mobility	 Turkana, Wajir, Mandera and Marsabit	2013–19 after droughts	NDMA website
Early warning household surveys	Sources of income and mobility	 All arid and semi-arid counties	>13 years, historical depth, monthly	NDMA website

 National level
  Sub-national level
  Individual study

Uganda

Institution	Parameters	Area covered	Years covered	Accessibility
Uganda Bureau of Statistics (UBOS)				
National population and housing census	Number of households and distribution	 Nationwide	2014, every 10 years. Fairly regular	UBOS
Integrated household surveys or national household surveys	Key outcome indicators for National Development Programme, including land use, livestock rearing and farming	 Sample districts	2014, twice yearly. Fairly regular since 2013	UBOS
UBOS and Ministry of Agriculture and Animal Industry and Fisheries (MAAIF)				
Livestock census 2008	Number of cattle, sheep, goats, camels, donkeys. Livestock ownership & land used for livestock	 Nationwide	2008, every 10 years. Very irregular: latest in 2008	UBOS and MAAIF
Intergovernmental Authority on Development (IGAD) and UBOS				
IGAD LPI Working Paper No. 02-12 (Behnke and Nakiya 2012)	Economic contribution of livestock	 Nationwide	2012, one-off. IGAD Kenya Bureau of Statistics Initiative	IGAD website

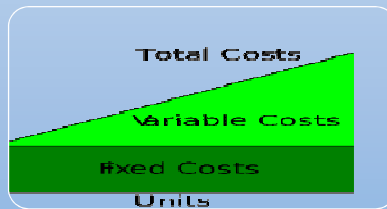
VISION FOR THE FUTURE OF PASTORALISM



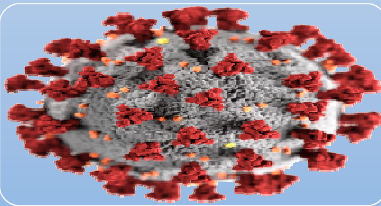
Change the negative public narrative of pastoralists as problem to as part of the solution



Improve data collection using pastoralism as a category could bring out its significance for national economy.



Incorporate more recent and innovative economic estimation such “Total Economic Valuation” or Production based”



Take advantage of pastoralists resilience and adaptability to shocks such as climate change & pandemics

Thank you!

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