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# **HOOFPRIINTS TO FOOTPRINTS**

**Socio-Economic Impact and  
Environmental Nexus of Animal  
Husbandry in Eastern Africa**

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**Socio-Economic Impact  
and Environmental Nexus  
of Animal Husbandry in  
Eastern Africa-  
Botswana, Ethiopia, Kenya,  
Rwanda, Uganda**



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# **EXECUTIVE SUMMARY**

This report offers an incisive overview of the livestock sector across five pivotal African countries: Botswana, Ethiopia, Kenya, Rwanda, and Uganda. Recognising the unique position of Botswana at the crossroads of Eastern and Southern Africa, alongside the diverse agricultural landscapes of Ethiopia, Kenya, Rwanda, and Uganda, the report delves into the multifaceted roles of livestock within these economies.

## **Governance Profile & Gross Value Analysis**

Initiating with a governance profile, the report evaluates the policies, frameworks, and institutions governing the livestock industry in each country. This is followed by an analysis of the Gross Value of Animal Production (GVAP), a metric denoting the sector's economic pulse and contribution to national GDP. Despite its informative value, GVAP's limitations are acknowledged, particularly its failure to encapsulate the entire socio-economic essence of livestock in these regions.

## **Socio-Economic Footprint**

In alignment with the perspectives of Salmon et al., the report underscores the indispensable socio-economic footprint of livestock, extending beyond mere production metrics to encompass draught power, manure for crops, and a substrate for socio-cultural activities. Livestock emerges as a social asset, insurance against adversity, and a cultural cornerstone within these communities.

## **Environmental and Health Considerations**

Balancing the socio-economic benefits, the report does not shy away from addressing the environmental and health challenges the sector poses, advocating for an informed and holistic approach to policy-making and interventions.

## **Permanent Pasture Quality & Quantity**

The quality and extent of Permanent Pastures are scrutinised, given their critical impact on animal health and productivity. This element serves as an indicator of a country's capacity for sustainable livestock production.

## **Livestock Inventory Analysis**

The Livestock Inventory is crucial for strategic planning, disease control, and understanding production and trade dynamics. It offers insights into the current state and potential of the nations' herds.

## **Production, Trade, and Climate Impact**

The report progresses to dissect meat production and trade dynamics, with a forward-looking gaze towards 2030, utilising AI-ML models to distil patterns and predict trends. It also tackles the pressing issues of greenhouse gas emissions and the implications of climate change on livestock farming.

## **Data Sources and Methodological Rigor**

Data retrieved from FAO, the World Bank, UNCTAD, OECD, and the USDA underpin the analyses. The report is candid about its methodologies and inherent limitations, ensuring a transparent and robust foundation for its forecasts and strategic recommendations.

## **Conclusion**

With a comprehensive approach, this report not only charts a trajectory for the livestock sector's growth in these countries but also lays down a blueprint for sustainable development, aware of the sector's complex dynamics and its pivotal role in shaping the livelihoods and economies of these African nations.