

# **Commodity Based Trade**

Economic implications for the Caprivi region in Namibia

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# **Commodity Based Trade (CBT)**

- OIE standards prevent the spread of diseases across the globe
- Traditional focus on the recognition of disease-free status
- Disease-free zones and disease-free compartments
- CBT: different commodities present different levels of risks
- Progressively applied in the *TAHC* on a disease by disease basis
- Import of fresh beef from a country infected with FMD (Art. 8.5.25)
  - □ Official control programme for FMD with compulsory systematic vaccination
  - Animals vaccinated at least twice
  - □ Past 30 days with no FMD outbreak within a 10 km radius
  - Deboning and deglanding of the carcass
  - □ Maturation of the carcass for at least 24 hours (pH below 6)



### **Constraints to wider acceptance**

Reluctance to trade in commodities from infected countries

Still uncertainties (Paton et al., 2009) > Further research

The *Code* should be read, used and applied in its entire context to assist decision-making

Importing countries can be reluctant to trust certification

**CBT** is not an alternative to good veterinary governance



## Aim of the study

Translate the CBT concept into practice for one specific product (deboned beef) from a specific region of the developing world in which substantive trading opportunities with specific trading partners have been identified.

□ What benefits from new market access opportunities?

□ What additional costs incurred by the different stakeholders?

□ Are these costs justified?

□ How might CBT change the pattern of beef export from the Caprivi region?



**FMD ZONES & FENCES** 

Otjozondjupa

13

Kavango

Dhangwena

Oshikoto

### **Rationale for the Caprivi region**

- Beef industry is strategic for Namibia
- FMD status and zoning
- In the middle of KAZA-TFCA



14

Kunene



### **Rationale for the Caprivi region**

- Beef industry is strategic for Namibia
- FMD status and zoning
- In the middle of KAZA-TFCA
- Risk mitigation measures in place
- Approved CA and residues plan
- Traceability (FANMEAT)
- On going MCA funded project on CBT





### Who we are





- D. Naziri B. Bennett
- K. Rich (Norwegian School of Veterinary Science; Norwegian Institute of International Affairs)









SVF - Destination markets (% volume)

### **Expected benefits**

Caprivi - Destination markets (% volume)



Price comparison for striploin (N\$/Kg)





## **Expected benefits**

- □ Trade diversion to more lucrative markets
- □ Increase the throughput of the abattoir
- □ Higher price paid to producers and decrease in cross-subsidization

### Other benefits and spill-over effects (not included in analysis)

- Possibility of value addition
- □ Employment creation
- Decrease in cattle population and pressure on natural resources
- □ Increased tax earnings
- □ Enhanced compatibility wildlife conservation and ecotourism policies





Some costs are products and/or markets specific

Who incurs these additional costs? Private and public sector











# System Dynamics model: why?

Simulation technique to analyze the behavior of complex systems over time

It can compute the evolution of costs and benefits from each step of the process

It allows to understand the feasibility of SPS compliance and identify other constraints for competitive meat exports

It allows to easily conduct sensitivity and scenario analysis

It is a powerful tool to deal with the problem of uncertainty (no change in current FMD management system foreseeable in the short to medium term)



# Thank you



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