

# Climate Change, Trade, and Animal Health

**STDF Event on Linkages Between Climate Change and SPS Issues**

**STDF Secretariat in Collaboration with OIE And FAO**

**Climate Change and Animal Health**

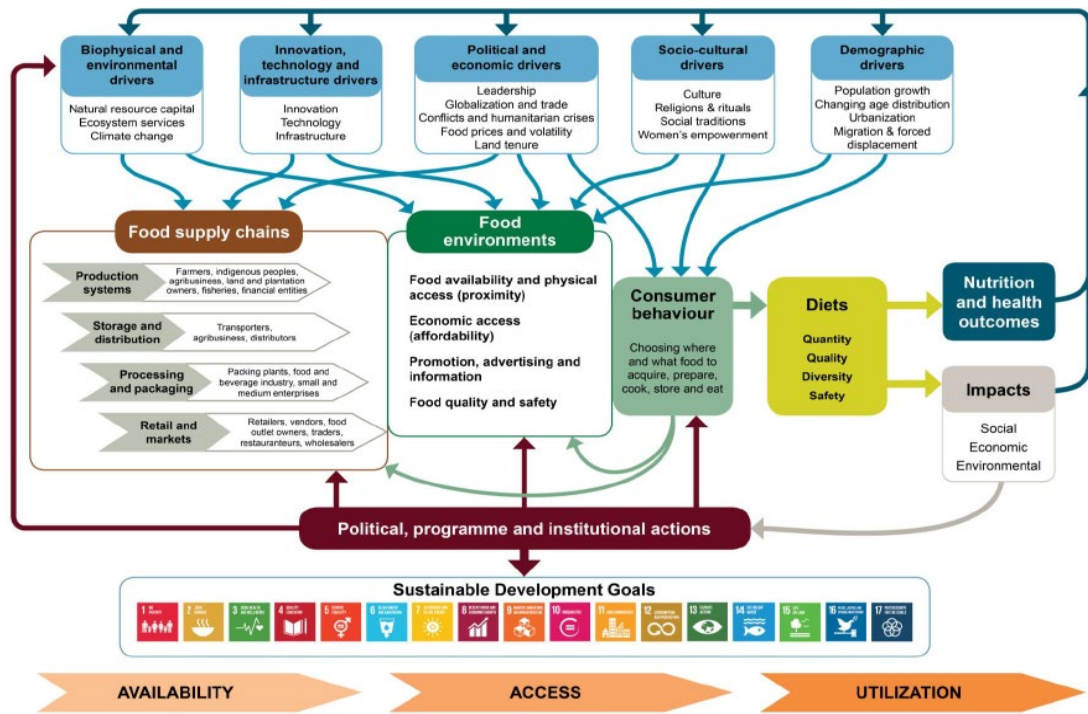
**3 May 2022**

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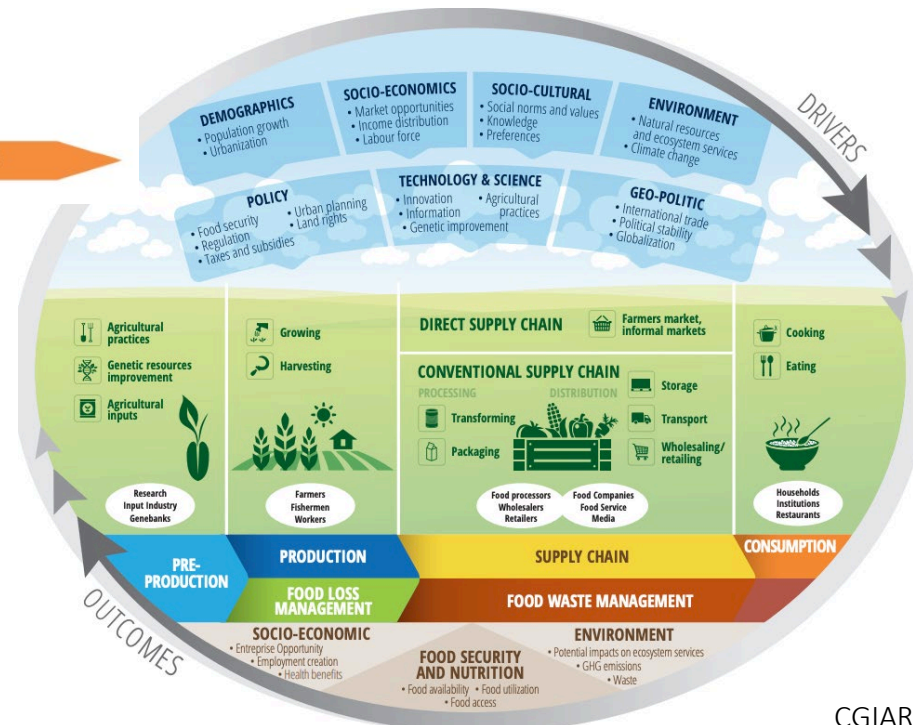


# Food systems for health and nutrition



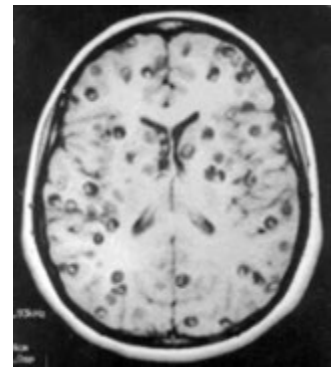
HLPE 2017 Food Systems and Nutrition Report

## Triple burden



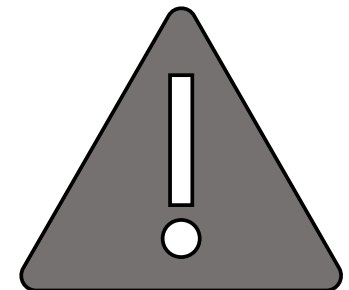
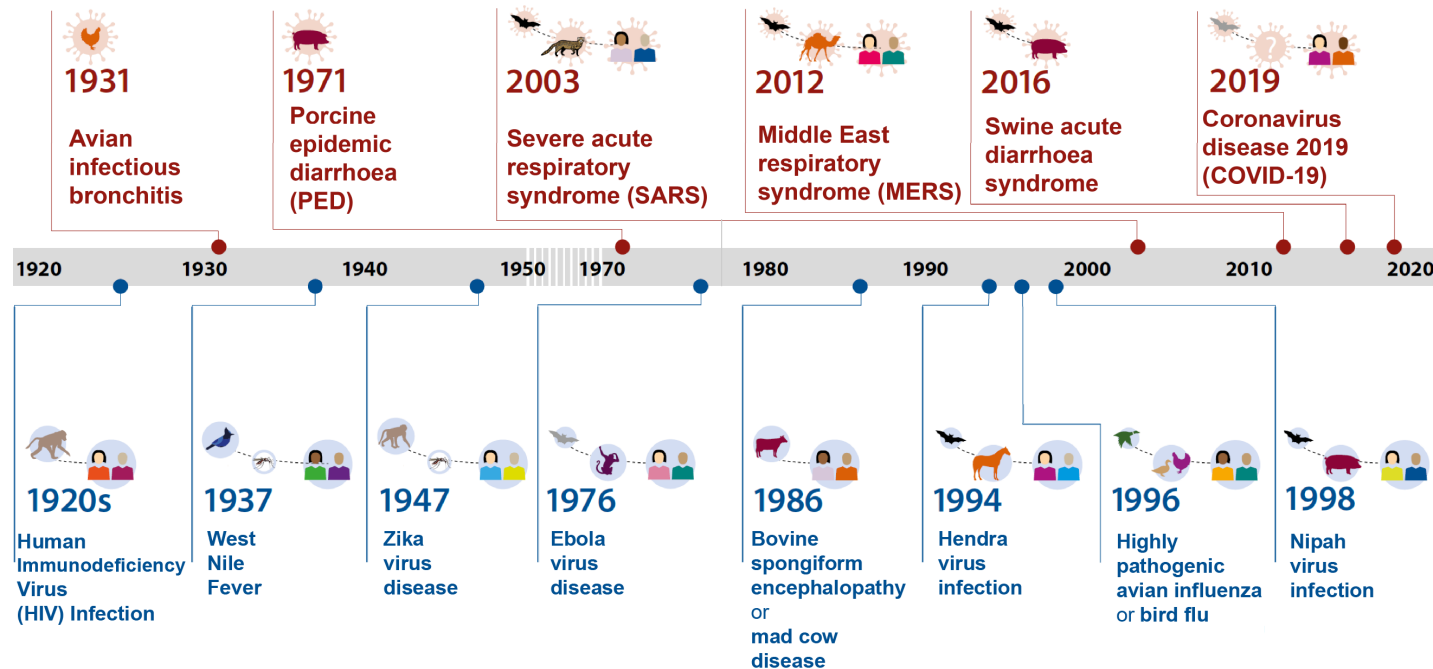
# Zoonoses: neglected and emerging

- Neglected zoonoses: *brucellosis*, *bovine tuberculosis*, *leptospirosis*, *Rift Valley fever*
- Emerging zoonoses: *mad cow*, *bird flu*, *SARS*, *MERS*, *COVID-19*



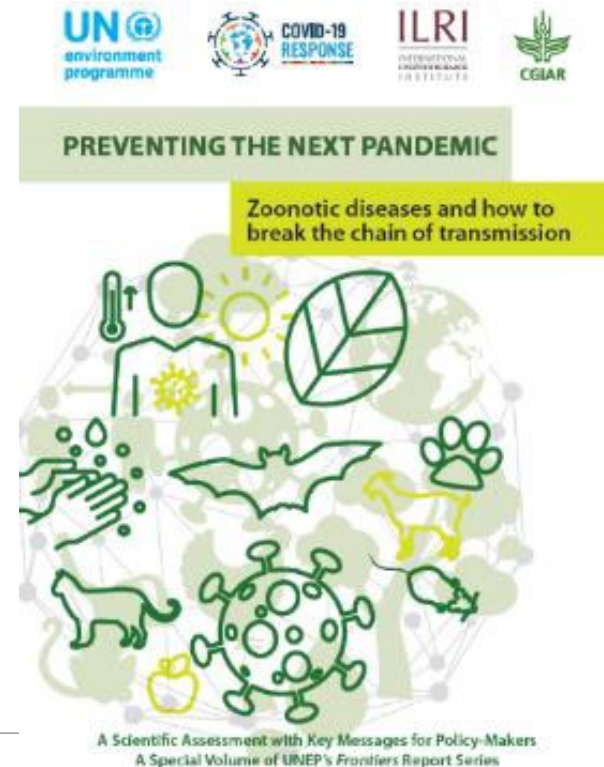
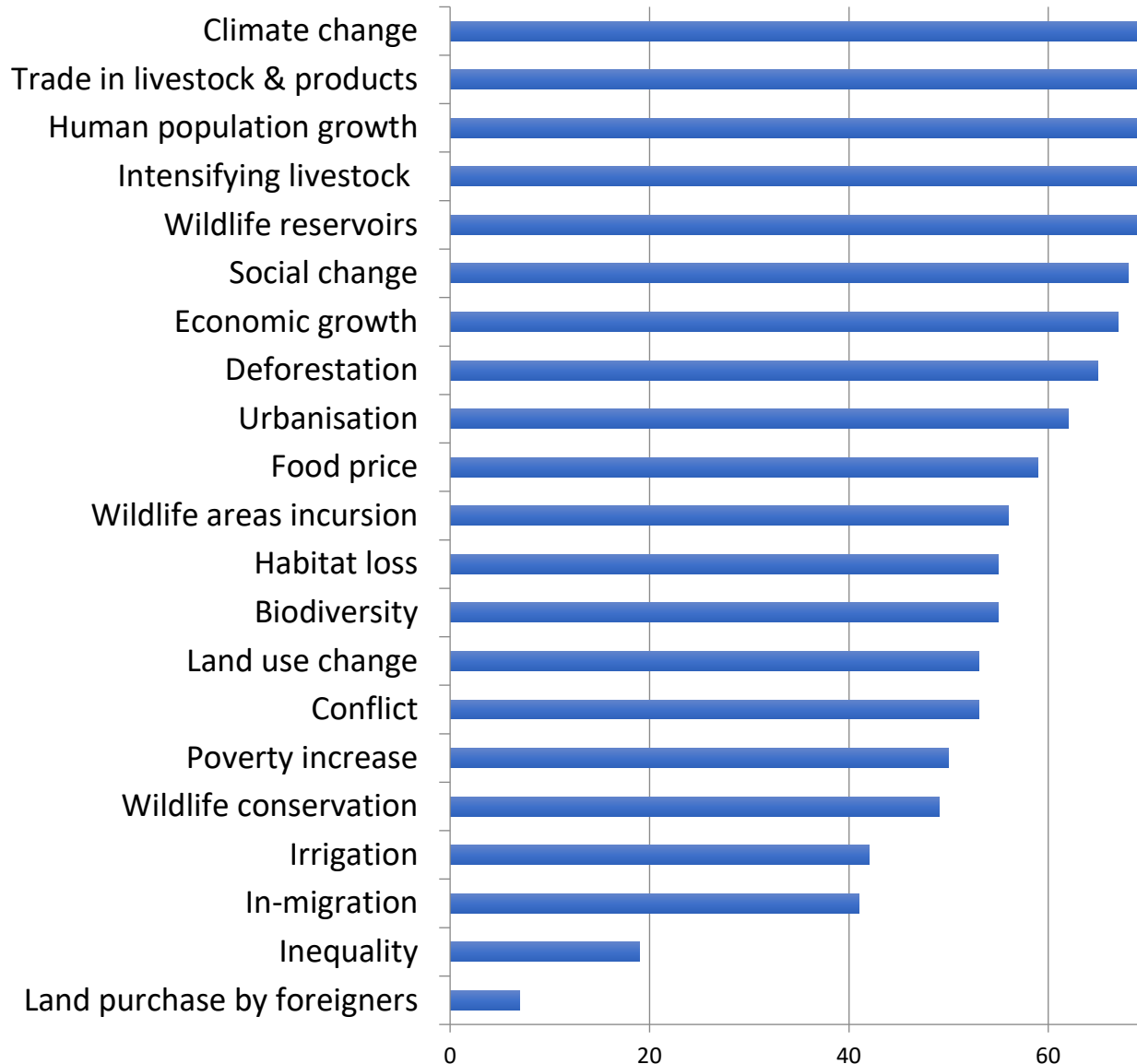
# Warning! Increasing frequency of pandemics

## Emergence of significant diseases caused by coronaviruses and other pathogens



Graphics: Annabel Slater, ILRI; adapted from United Nations Environment Programme and International Livestock Research Institute (2020). Preventing the Next Pandemic: Zoonotic diseases and how to break the chain of transmission. Nairobi, Kenya.

# These trends have important drivers

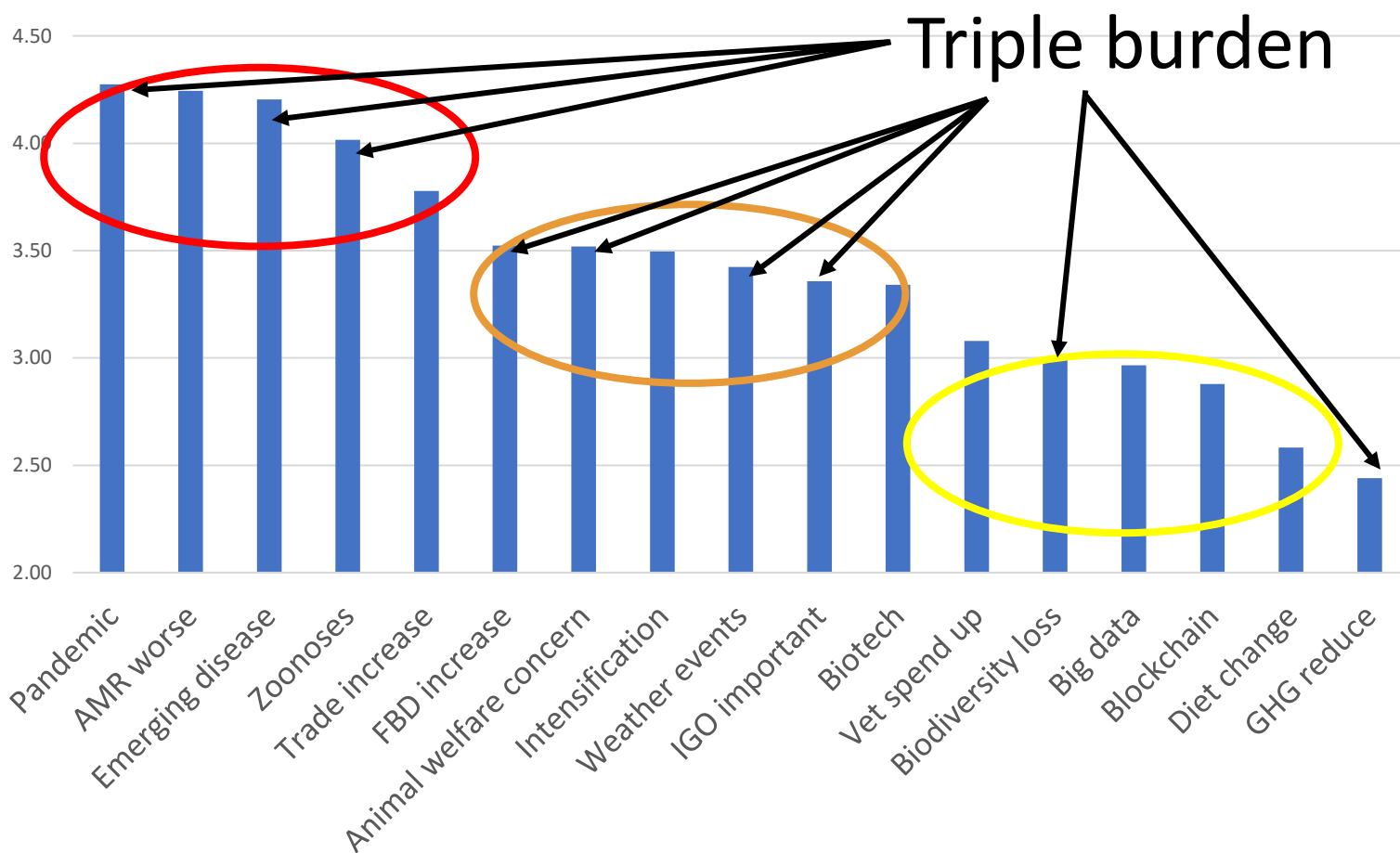




# External Factors Important For Vet Services

Member  
Country  
perspective

*0 is no  
importance  
5 is maximum  
importance*

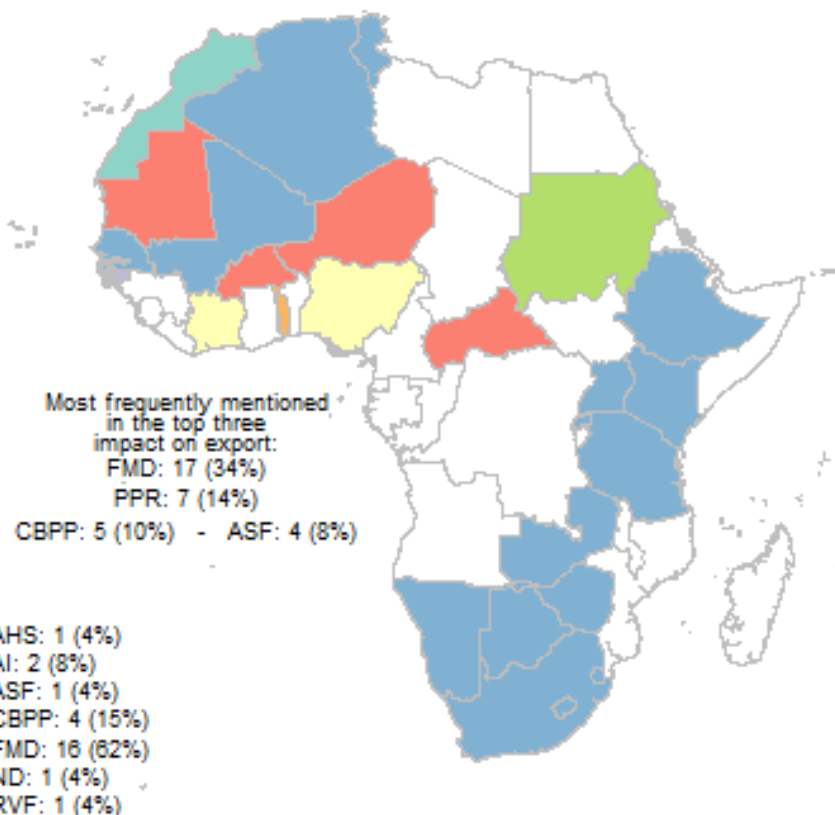


# AH impacts on trade

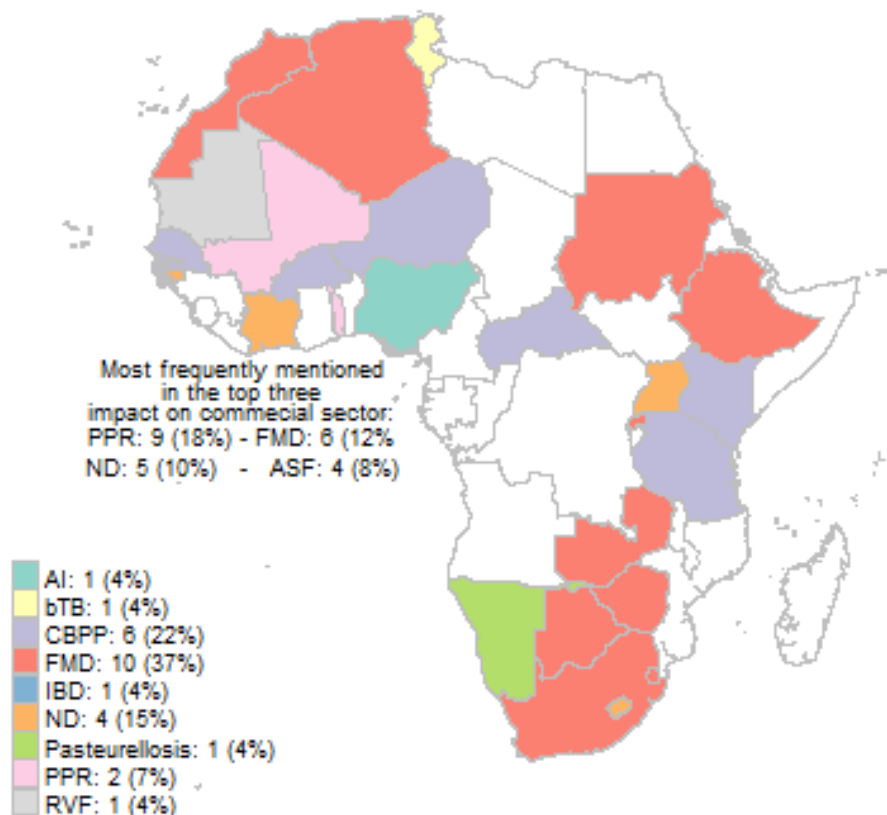
21st Conference of the OIE Regional commission for Africa,  
16<sup>th</sup>-20<sup>th</sup> February, 2015, Rabat, Morocco

D Grace et al.

## Greatest impact on export

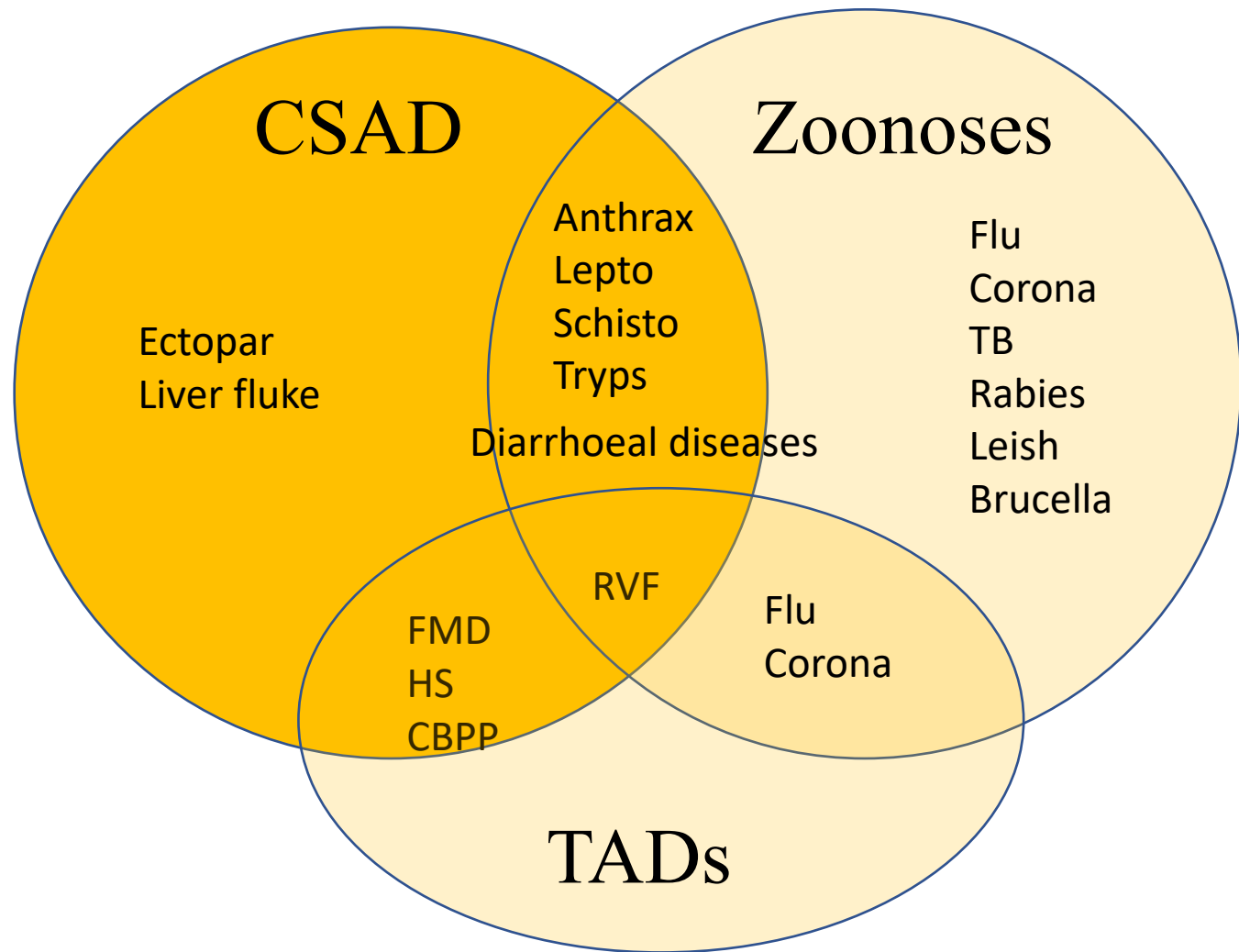


## Greatest impact on internal trade



# Trade, climate change and animal health

Triple  
burden



Climate Sensitive Animal Disease – CCAFS/ILRI

Top zoonoses – ILRI

Transboundary animal diseases – EMPRES, FAO



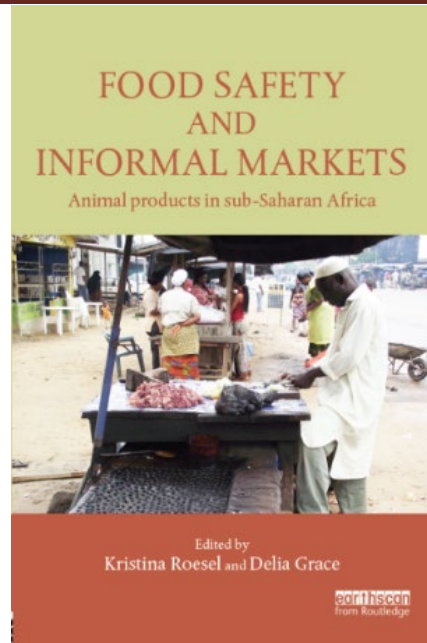
# Initiatives related to AH, CC, trade

- 2020 GBADs launched
- 2020 OHRECA launched: zoonoses, FBD, AMR
- 2020 AU SPS Policy Framework and Animal Health Strategy for Africa endorsed
- 2021 AfCFTA - 55 member states – enacted
- 2022 COHESA – 11 countries - launched
- 2022 Animal Health Systems Facilitating Trade within the African Union launched

# Acknowledgements and Further Reading



Federal Ministry  
for Economic Cooperation  
and Development



## Climate and livestock disease: assessing the vulnerability of agricultural systems to livestock pests under climate change scenarios

Working Paper No. 116

CGIAR Research Program on Climate Change,  
Agriculture and Food Security (CCAFS)

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RESEARCH PROGRAM ON  
Climate Change,  
Agriculture and  
Food Security



Working Paper

