

What could go wrong?

How likely is it to happen?

What is the magnitude of the consequences?

What could go wrong?

Identify hazards

Develop scenario tree

How likely is it to happen?

Collect data sources/elicit expert opinions Determine risks (qualitative/quantitative)

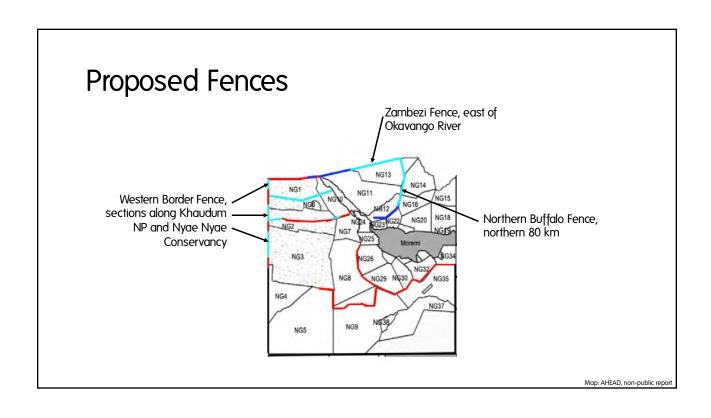
What is the magnitude of the consequences?

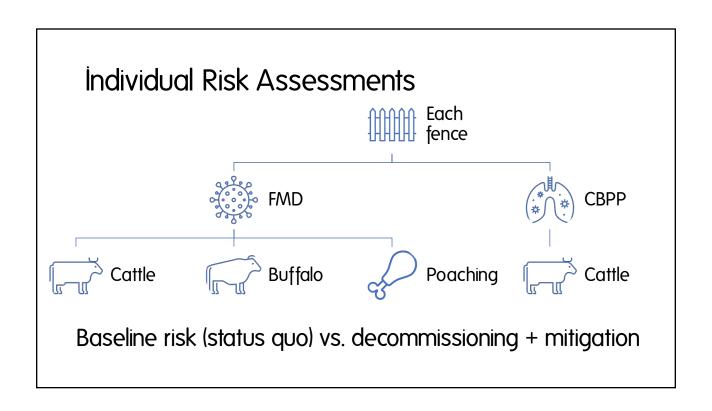
Consider biological, economic, and environmental

OİE (WOAH) Framework for İmport Risk Analysis Risk communication Risk management Risk assessment

OİE (WOAH) Framework for İmport Risk Analysis Risk assessment How likely is a pathogen introduction? How likely is exposure of susceptible animals? How likely is exposure of susceptible animals? A holistic summary of the three animals?

QUAI	itative				
Risk Level	Definition				
Negligible	Rare occurrence to be ignored				
Low	Rare but occurrence a possibility in some cases				
Medium	Regular occurrence				
High	Very regular occurrence				
High	Very regular occurrence				
	Very regular occurrence	ional events occurrenc	e probabilities (Gale et al.	, 2010)	
		CONTRACTOR STATE AND AND AND AND AND AND AND AND AND AND	e probabilities (Gale et al. ssment of Parameter 2	,2010)	
TABLE 2 C		CONTRACTOR STATE AND AND AND AND AND AND AND AND AND AND		, 2010) Moderate	High
TABLE 2 C	ombination matrix used for condit	Result of the asse	ssment of Parameter 2	MOST TO BE A STATE OF THE STATE	High Negligible
TABLE 2 C	ombination matrix used for condit	Result of the asse	ssment of Parameter 2	Moderate	
Results of the	ombination matrix used for condit	Result of the asse Negligible Negligible	Low Negligible	Moderate Negligible	Negligible



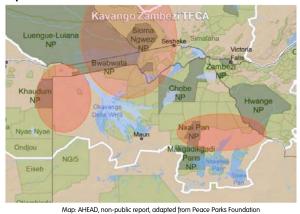


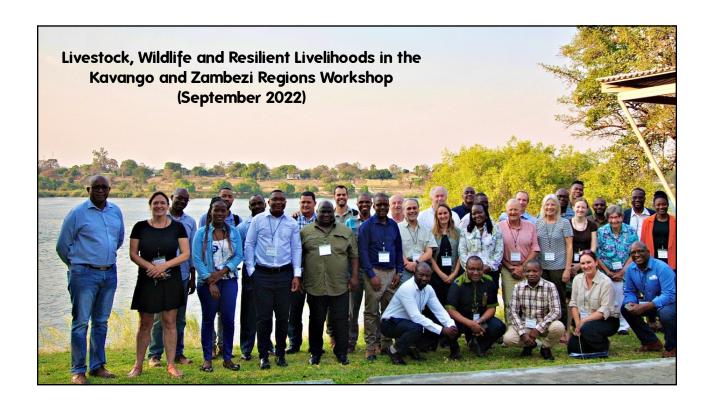
A Unique Scenario for Risk Assessment

- Assessing non-zero baseline risk
- Risk in association with fencing vs importation
- Risk in a TFCA context



Map: AHEAD, non-public report





2022 Engagements

Gaborone - October 2022

- In-person meetings with DVS, DWNP
- Zoom meetings with DVS staff
- Introduction to key staff
- Discussion of the disease risk assessment purpose & approach

2022 Engagements

Maun – October 2022

- In-person meeting with ORI
- Zoom meeting with DVS
- Discussions on risk pathways, data sources, risk mitigation
- Received Ngamiland questionnaire survey data from ORI

Francistown – October 2022

- İn-person meeting with DVS
- Discussion on risk pathways, data sources, risk mitigation

2022 Engagements

Maun – November 2022

- İn-person meetings with DVS
- Data review of hard-copy records
- Received vaccination records, Ngamiland maps

Shakawe - November 2022

- İn-person meetings with DVS
- Drove 140 km of the Zambezi fence & ~60 km of the Northern Buffalo fence with DVS colleagues from Shakawe to appreciate fence condition
- Received vaccination records, 2022 incursion reports, 2022 NAMBOT patrol reports, some crush coordinates

Zambezi Fence Conditions





Zambezi Fence Conditions





Northern Buffalo Fence Conditions





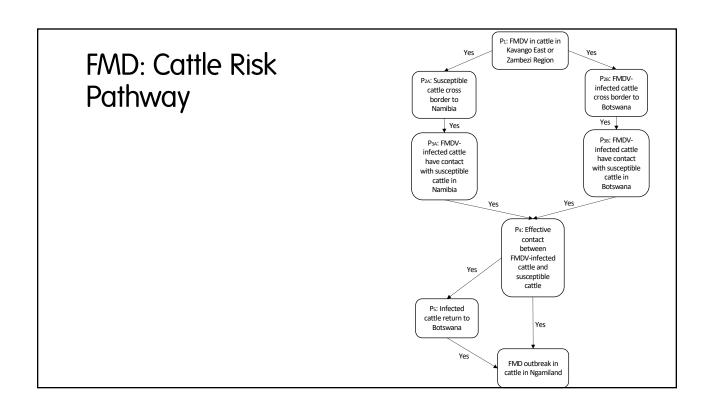


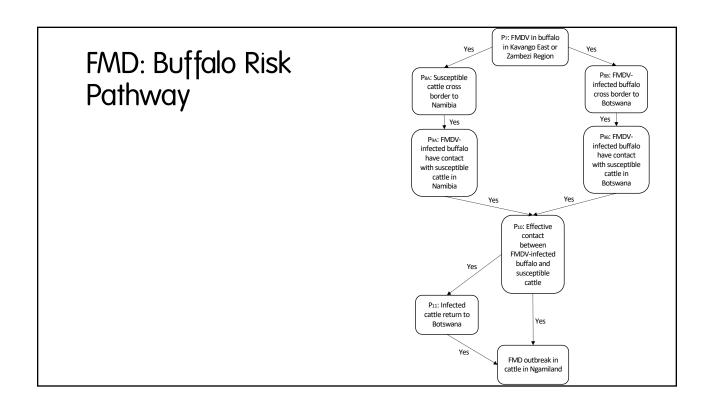


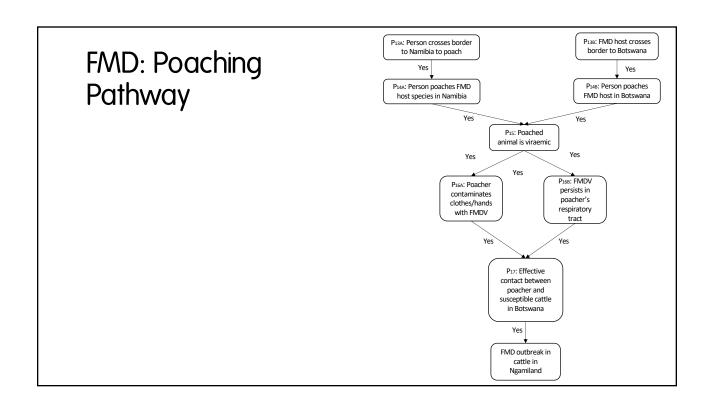
2023 Engagements

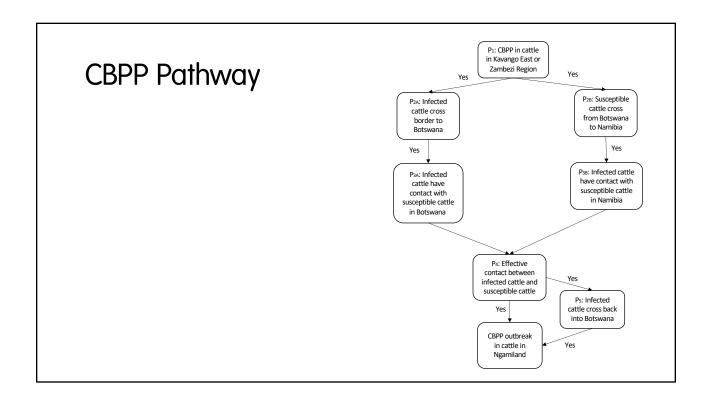
Virtual meeting – February 2023

- · Zoom meeting with DVS, ORI, BVI
- Reviewed risk pathways
- Productive discussion on concerns about disease control, risk mitigation strategies, consequences of disease outbreaks









Risk Mitigation

- Changes in herding practices (e.g., H4H)
- Increased surveillance
- Increased vaccination coverage near borders
- Field strain/vaccine matching, inclusion of type O

Way forward

- Engage in-person at AHSWG and in Kasane
 - Challenges in engaging with DVS colleagues
 - FMD outbreak in Botswana, CBPP outbreak in Namibia
 - Audits and other commitments
- Obtain last data sources
- Calculate risk for each pathway
- Develop final report