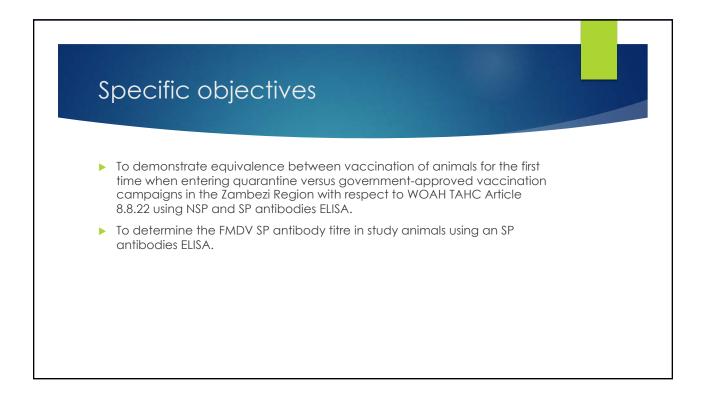
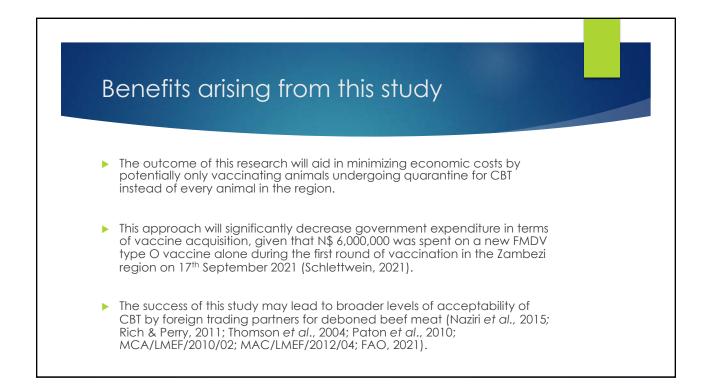
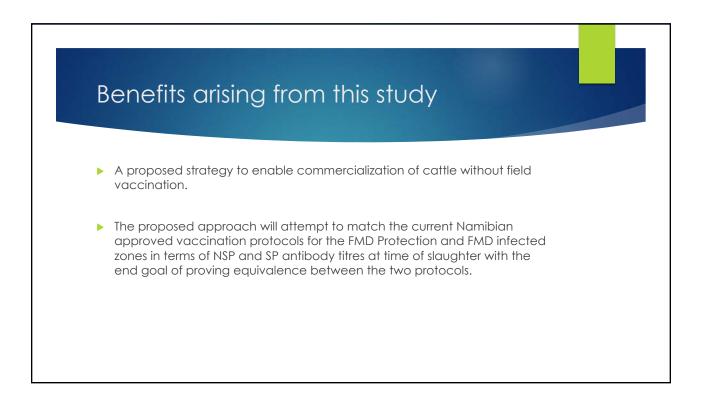


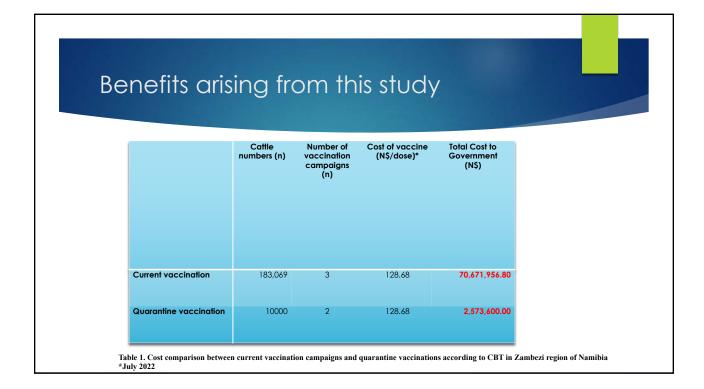


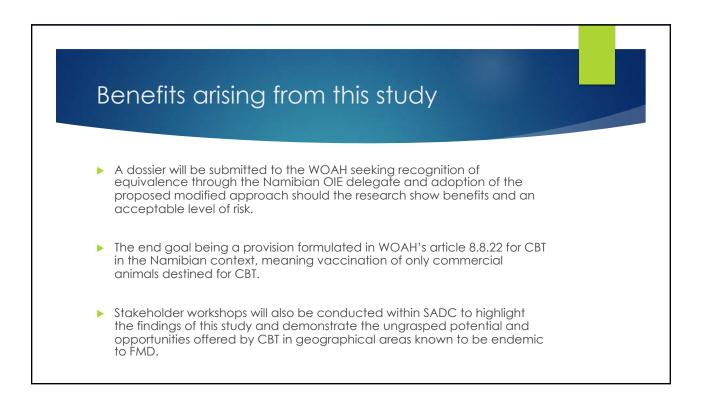
Evaluate whether vaccination of animals for the first time when entering a quarantine facility before slaughter (abattoir) is equivalent to current FMDV vaccination campaigns in the WOAH recognized endemic zone where animals are vaccinated tri-annually in the Zambezi regions.

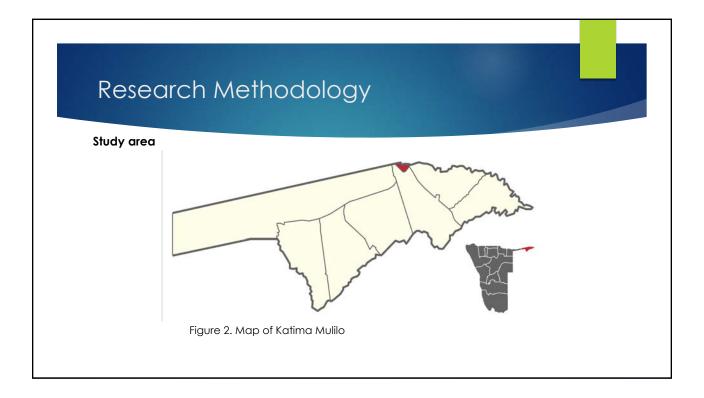


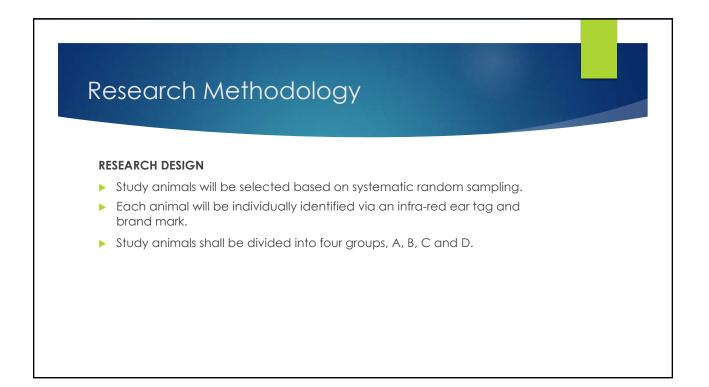


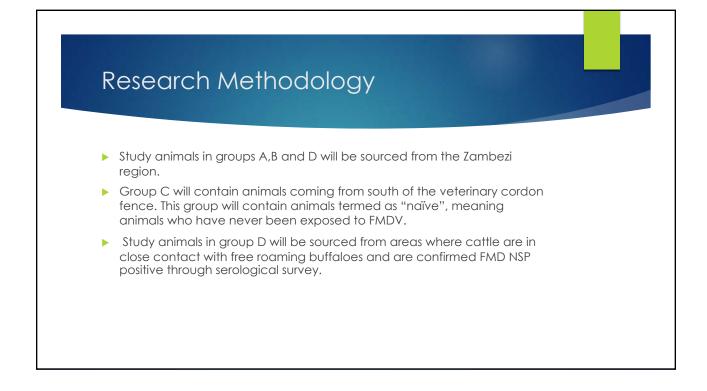


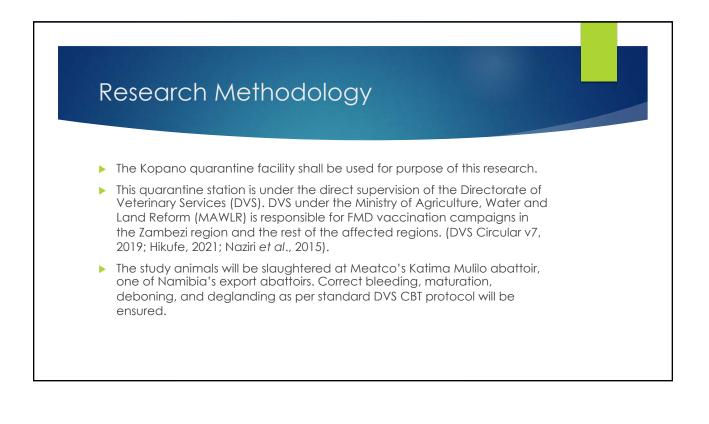


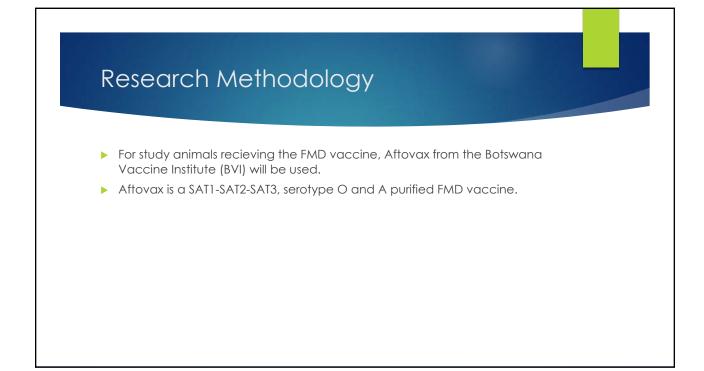


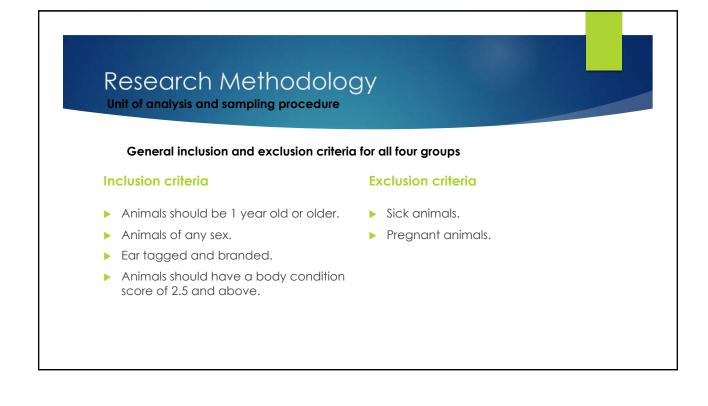


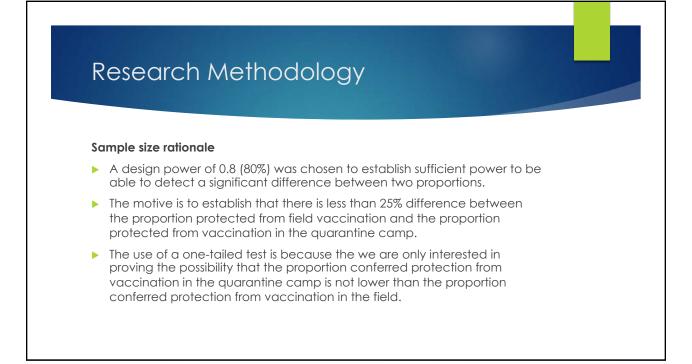






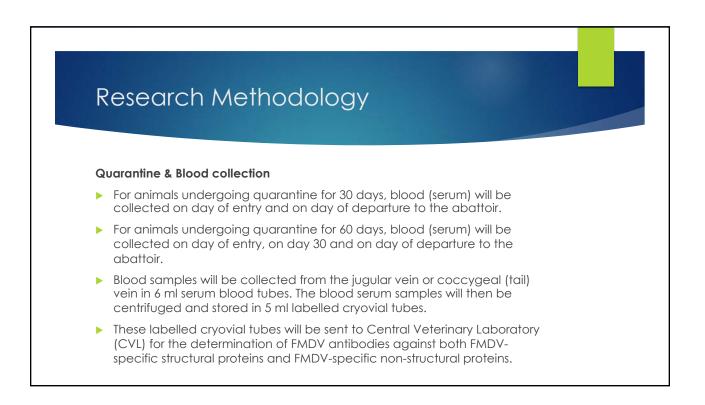






| Research Me [.] | | udies + Diagnostics - Sampling - | |
|--|------------------|----------------------------------|--|
| Analysed: Sun Aug 07, 2022 @ 12:49 UTC | | | |
| Inputs | | | |
| | Proportion 1 | 0.7 | |
| | Proportion 2 | | |
| | Confidence level | | |
| | 0.8 | | |
| | 0.25 | | |
| Tails | | 1 | |
| Results | | | |
| | | | |

| | GROUP A | GROUP B | GROUP C | GROUP D |
|---|---------|--|--|---|
| Sample size (n) | 92 | 92 | 23* | 92 |
| Specific inclusion criteria | | vaccinated within the last six months in the field. | Naïve animals. Never vaccinated or been exposed to FMDV. Animals from south of the veterinary cordon fence. | Natural infection, unvaccinated animals which are (NSP antibodies positive). Animals from north of the veterinary cordon fence. |
| Number of days in quarantine (d) | 30 | 30 | 60 | 60 |
| Number of times to be vaccinated in quarantine (t) | 0 | 1 | 2 | 2 |





Vaccination

- For animals getting vaccinated once, the vaccine will be given on day of entry into the quarantine.
- For animals getting vaccinated twice, the vaccine will be given on day of entry and on day 21.

Research Methodology

Abattoir

- On last day of quarantine, study cattle will be transported to the approved export abattoir in cleaned and disinfected vehicles without stopping or coming in contact with other animals.
- Upon arrival at the abattoir, cattle will be inspected for signs of FMD on arrival and rested for 12 hours before slaughter.
- > Study animals will then follow normal abattoir procedures.

