



World Organisation  
for Animal Health



## SEACFMD EPIDEMIOLOGY NETWORK MEETING

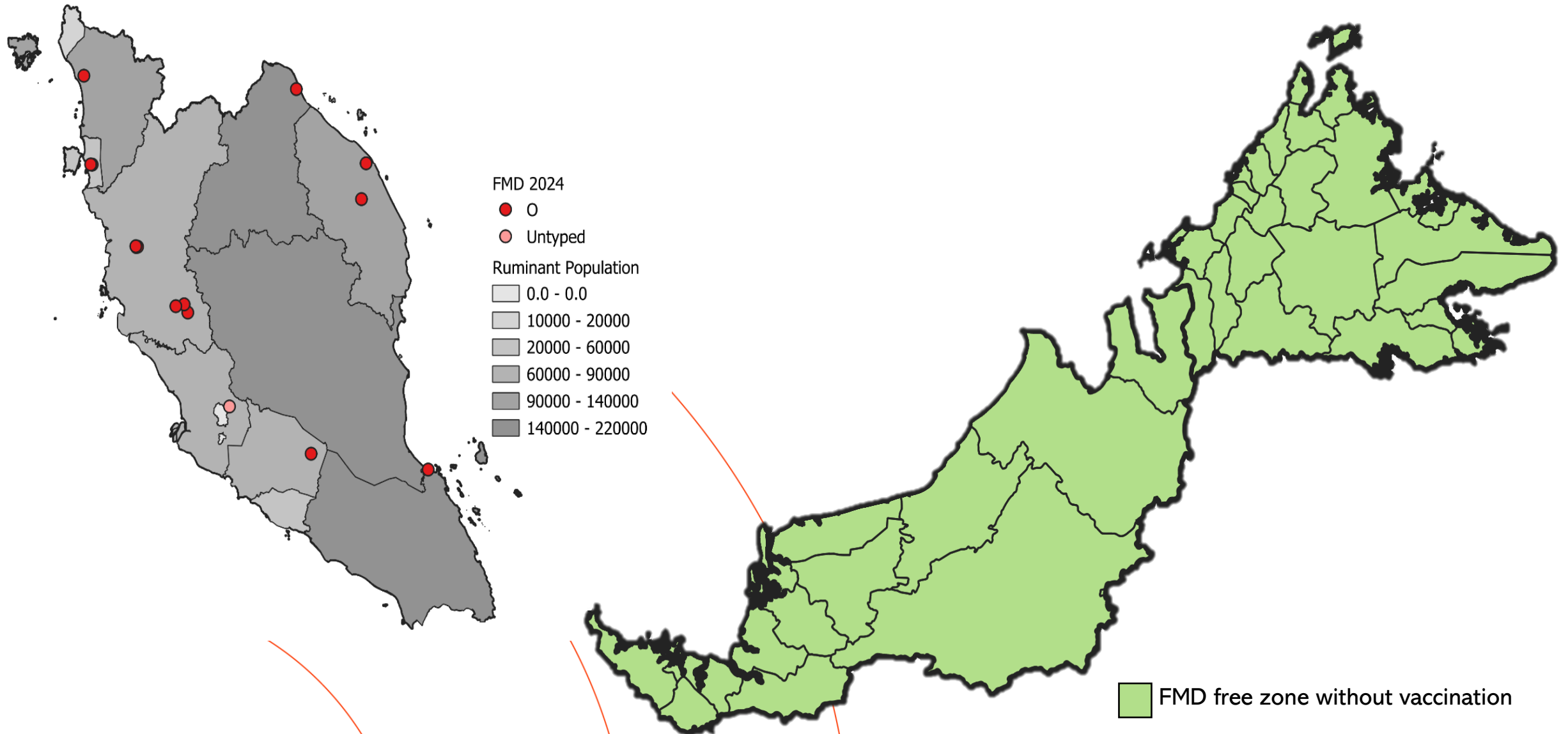
COUNTRY REPORT:  
Malaysia

*Presenter:*  
*Dr Jamaliah Binti Senawi*

*13-15 April 2025,*  
*Qingdao, People's Republic of China*

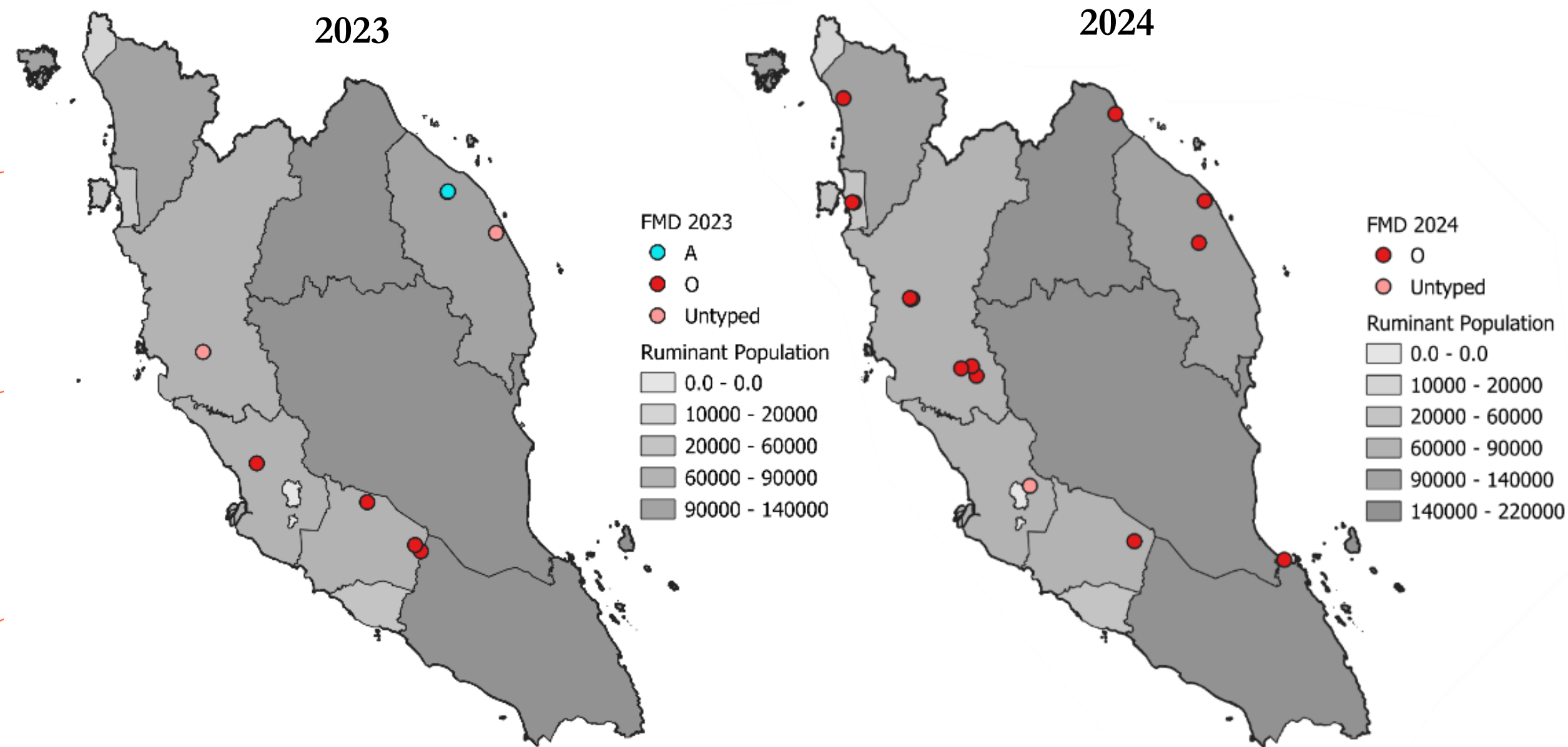


# Malaysia: FMD Status





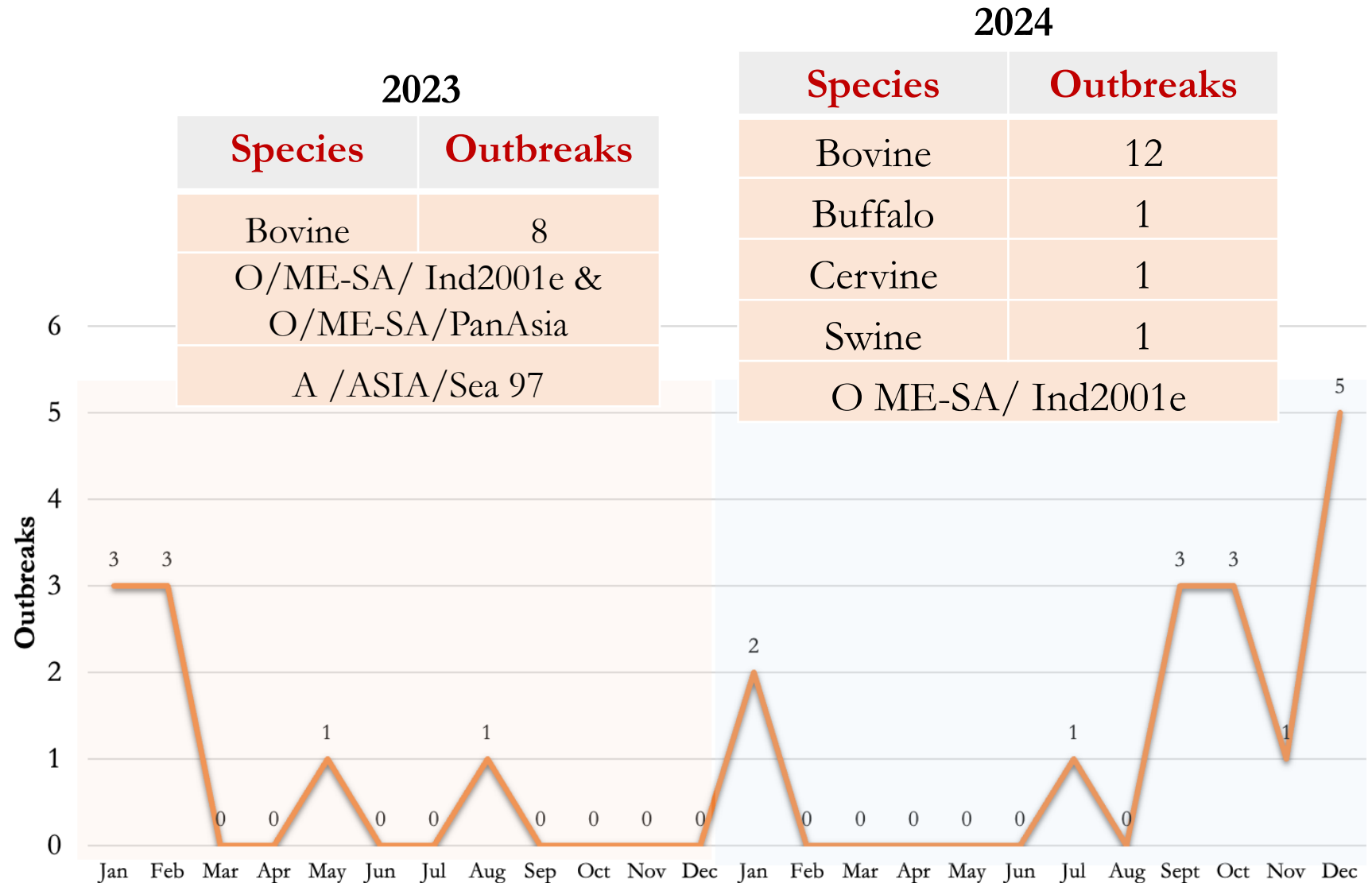
# FMD situation: Peninsular Malaysia of year 2023 vs 2024





# FMD situation: Peninsular Malaysia of year 2023 vs 2024

- In 2024, there was a higher number of FMD outbreaks, affecting a wider range of animal species compared to 2023
- The temporal pattern of FMD outbreaks shifted in 2024, with more cases reported in the second half of the year compared to the same period in 2023.





# FMD situation of Peninsular Malaysia of year 2023 vs 2024

- In 2024, animal movement data indicated that unregulated movement of cattle and goats across the northern border of Peninsular Malaysia are more than doubled compared to 2023







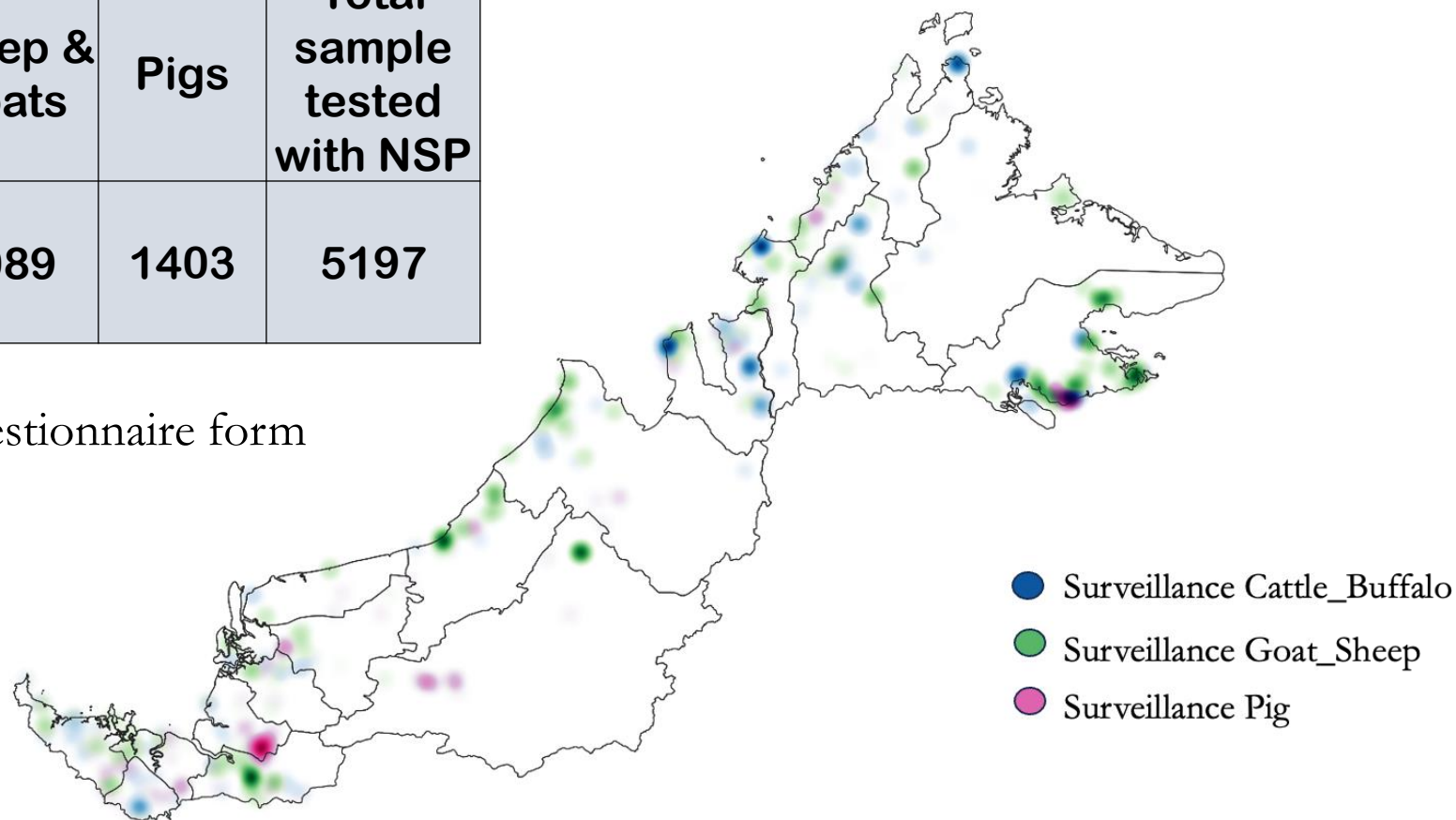
# Surveillance program for FMD Free Zone (Sabah and Sarawak)

Serosurveillance: All serum sample tested are negative

Sample numbers	Cattle & Buffalo	Sheep & Goats	Pigs	Total sample tested with NSP
FMD Free Zone (Sabah & Sarawak)	1705	2089	1403	5197

Clinical surveillance: using standard questionnaire form

Sample numbers	No of farm visited
FMD Free Zone (Sabah & Sarawak)	719



Note:

Sampling size calculation using 95% CI :Population level at 0.5% (Buffer zone); 5% (Non-buffer zone), Farm level at 5%



# FMD Control Measures

- Legislation: Working in tandem for two different governing identity (Federal & State)
- National strategic plan for FMD
  - FMD Contingency Plan & SOPs
  - Key component of Malaysian Veterinary Service Strategic 5-Year Plan
  - Establishment of FMD Free Zones in Peninsular Malaysia
- Animal movement control
  - Pre-border, border & post border control
- Detection & surveillance
  - Early warning system
  - Annual Surveillance program(risk-based)
  - Laboratory capacity & capability
- Training
  - Technical & response training
  - Simulation exercise
- Risk communication & awareness
  - Stakeholder engagement
  - Education & awareness campaign
- Biosecurity & mitigation
- Vaccination: Only in Peninsular Malaysia:





# Challenges and possible solution

## Challenges

- Low self-sufficient of ruminant livestock
- Illegal transboundary movement of animals
- Human resource constraints for FMD control
- Traders perspectives on FMD
- Vaccination coverage

## Possible solution

- Strengthen education & awareness
- Strengthening enforcement of legislation
- Improve risk communication
- Expand PPP approach to wider approach
- Enhance engagement with border control agencies



# Epidemiological tools

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Mapping GIS

QGIS



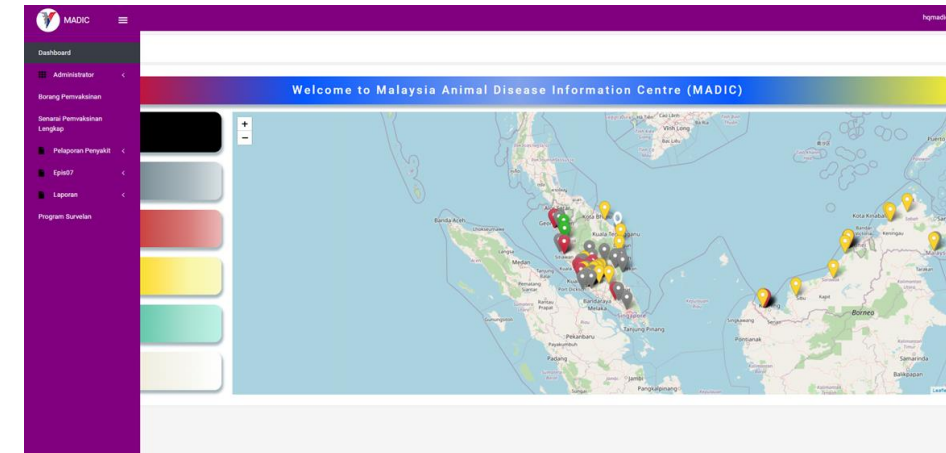
ArcGIS

Surveillance



EPITOOLS

Reporting





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THANK  
YOU

