SEACFMD

World Organisation for Animal Health
Founded as OIE

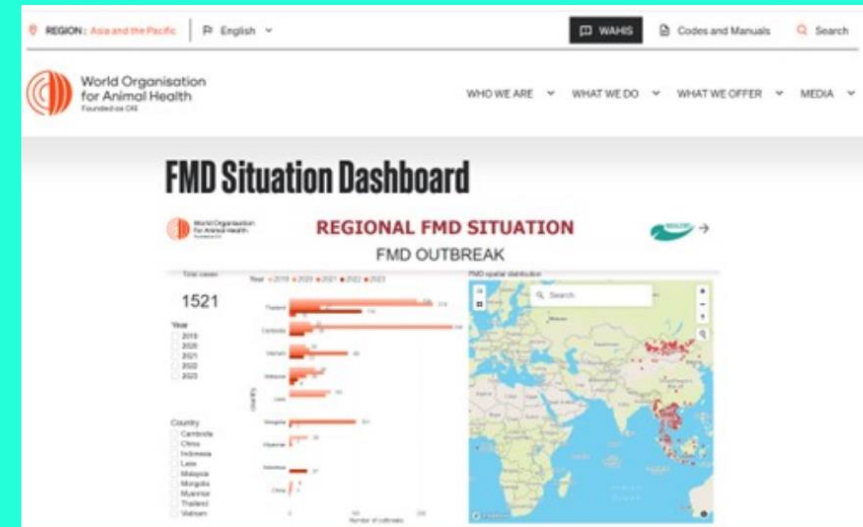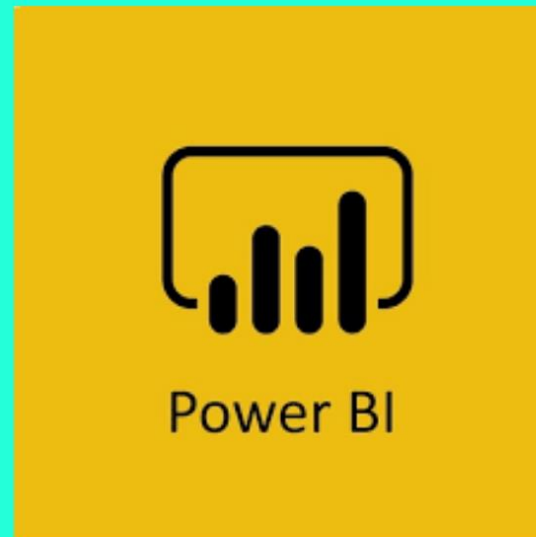# REGIONAL FMD SITUATION UPDATES

BOLORTUYA,P WOAH SRR SEA

Data source:
- ARAHIS
- WAHIS
- WOAH Reference Laboratory report
- Country reports

Data analysis:
- Regional Ms Excel dataset
- PowerBI

Reported outbreak (bar chart by Year)

- 2019: 387
- 2020: 611
- 2021: 306
- 2022: 199
- 2023: 64

Reported outbreak (box plot by Year: 2019, 2020, 2021, 2022, 2023)
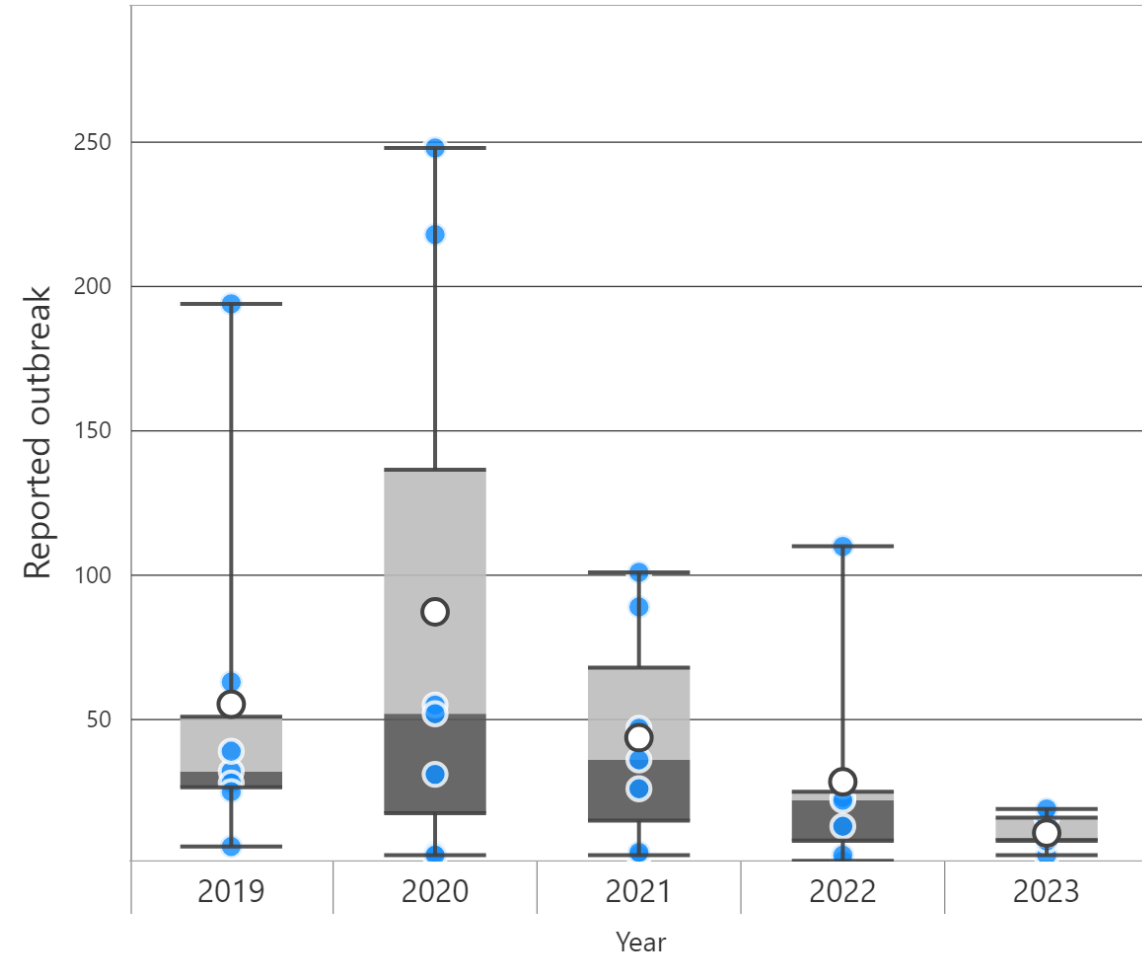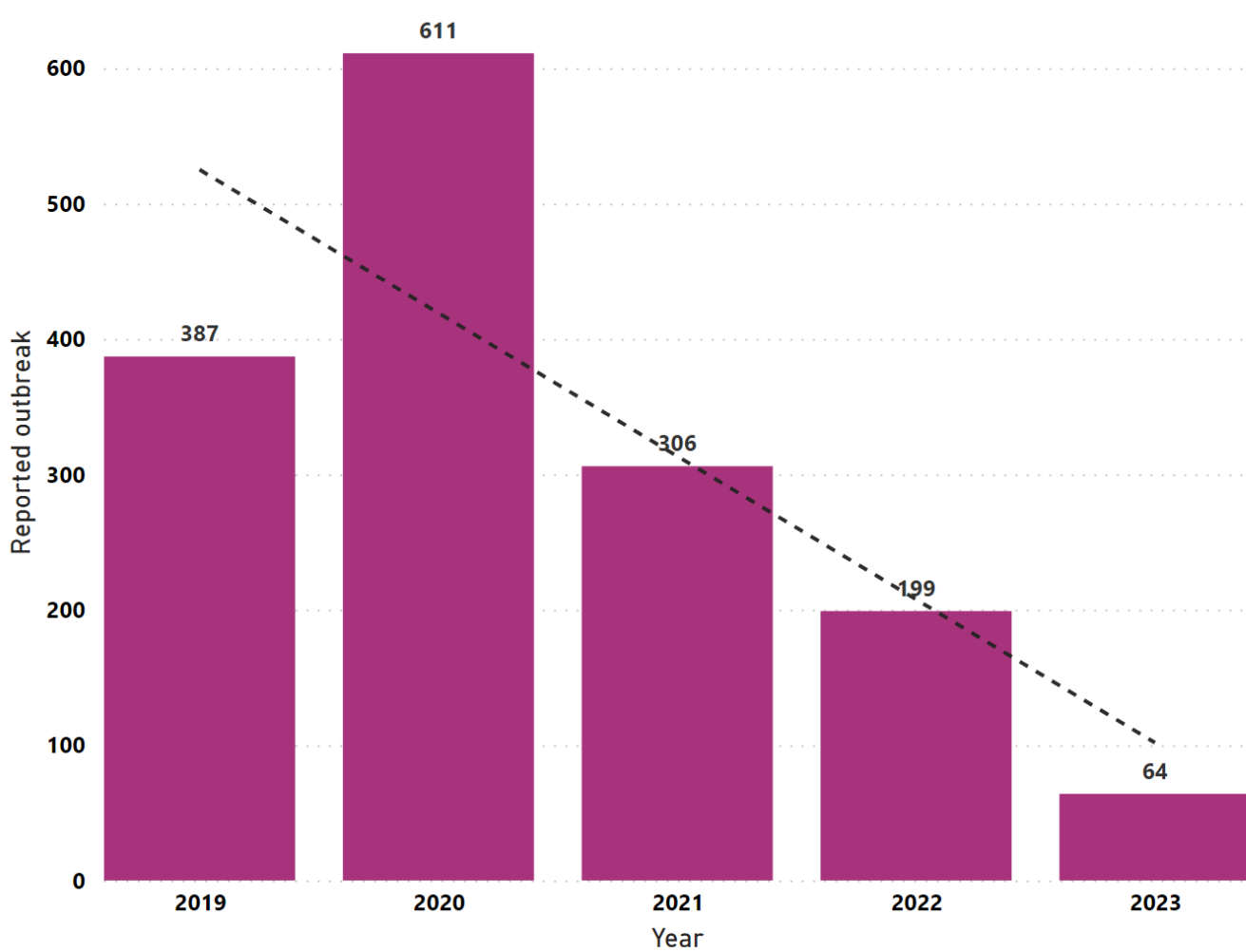
Total cases

1567

Country

Cambodia	Indonesia	Malaysia	Myanmar	Vietnam
China	Laos	Mongolia	Thailand	

FMDV GENOTYPE

| A/ASIA/Sea-97 | Asia1/ASIA | O/CATHAY | O/ME-SA/Ind-2001d | O/ME-SA/Ind-2001e | O/ME-SA/PanAsia | O/SEA/Mya-98 |

Legend: ●O/PanAsia ●O/Mya-98 ●O/CATHAY ●O/Ind-2001d ●O/Ind-20... ●A ●Asia

Number of country

9

Cambodia
China
Indonesia
Laos
Malaysia
Mongolia
Myanmar
Thailand
Vietnam

Outbreak year:
- 2022: 100.00%
- (2021): 66.67%, 31.58%
- 2020: 96.30%
- (2019): 22.22%, 24.07%, 31.48%, 22.22%
- 2018: 25.88%, 29.41%, 27.06%, 15.29%
- (2017): 27.50%, 11.25%, 13.75%, 28.75%
- 2016: 51.04%, 37.50%
- (2015): 37.33%, 25.33%, 32.00%
- 2014: 100.00%

X-axis: 0% — 50% — 100%

First Lineages
- O/ME-SA/Ind-2001e
- A/ASIA/Sea-97
- O/ME-SA/PanAsia
- O/SEA/Mya-98
- O/ME-SA/Ind-2001d
- Asia1/ASIA
- O/CATHAY

Search
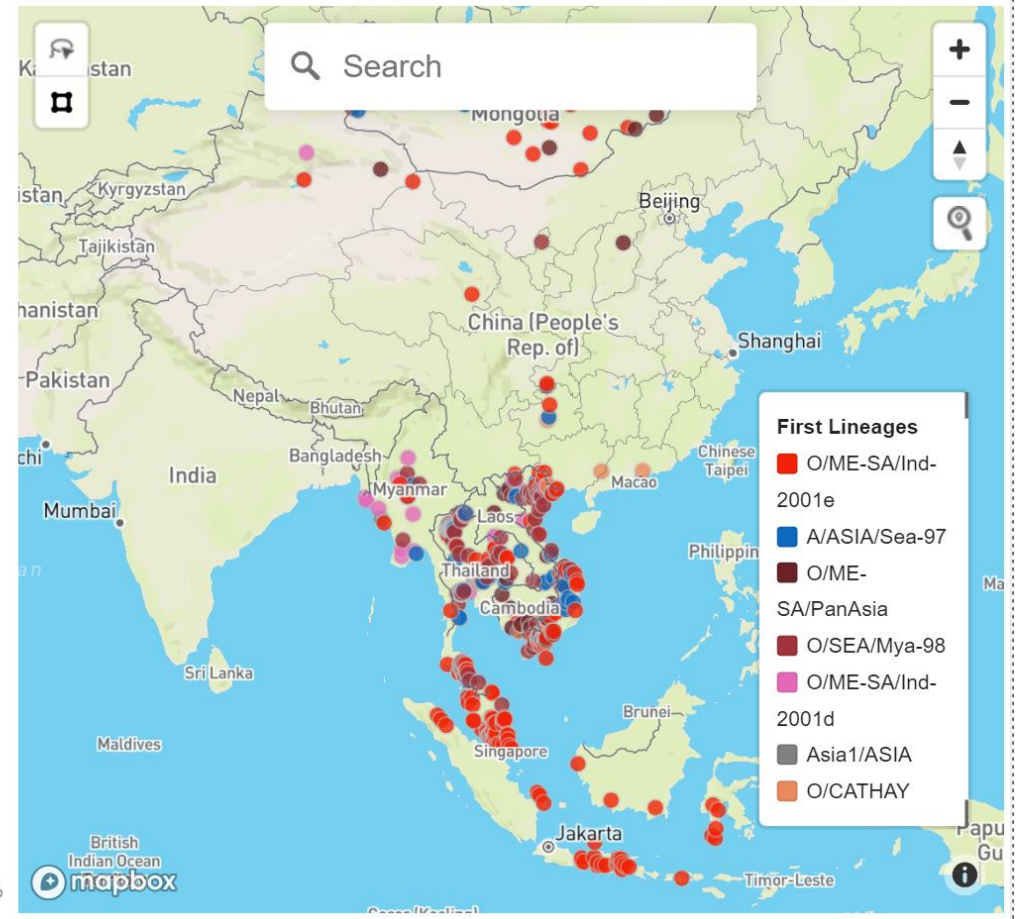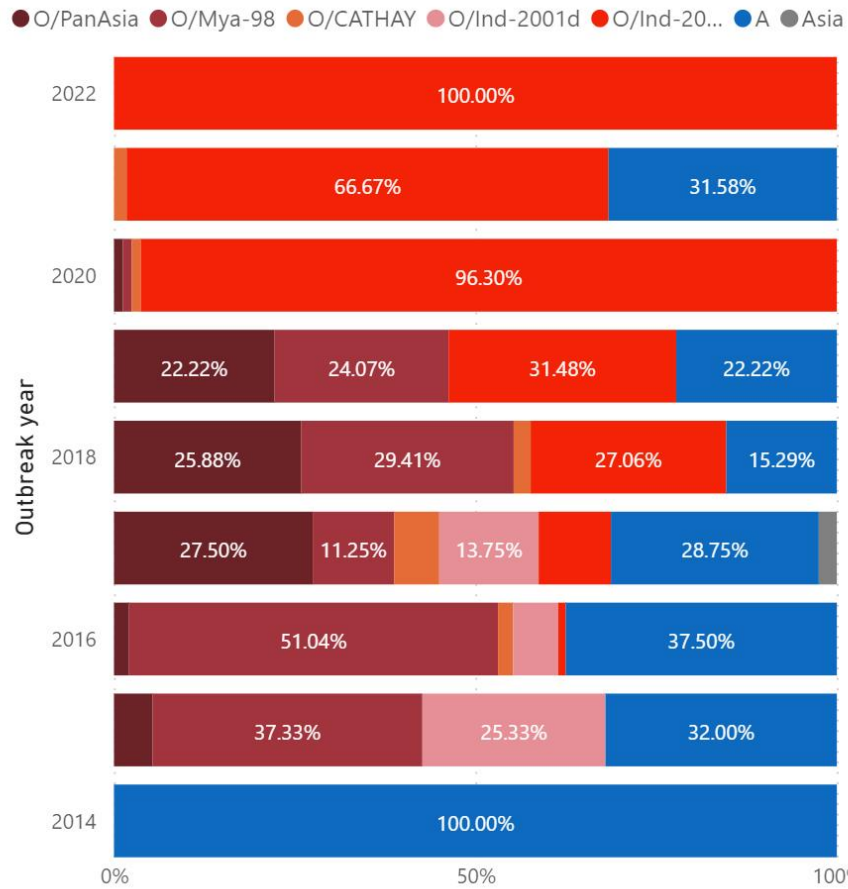
Country
All

Data source: WRL/RRL reports

OBSERVED FINDINGS

- The trend line shows declined cases- Is that a true picture of FMD in the Region?

- Serotype Asia 1 has not been detected in the Region since 2017, with the last recorded case in Myanmar
- Serotype A has been reported in Thailand consistently with observed clusters from 2014 to 2023 (except 2022)
- Serotype O/ME-SA/ Ind-2001e remains predominant since 2020 (first detection was in 2016)
- Serotype O/ME-SA/Ind-2001d - 5 countries, between 2015-2017
- Serotype O/ME-SA/Pan-Asia -7 countries, 2015 to 2020. The last case was recorded in Vietnam, Cambodia in 2019 and Malaysia, 2020.

DISCUSSION

- Require full epidemiological investigation
- Timely reporting - Remains crucial
- More accurate and detailed data is required
- Robust surveillance
- Enhance sample collection/submission-to the RRL and WRLFMD
- Encourge Regional surveillance
- ASIA 1 study is currently ongoing/Support is needed from member countries

- Reporting in ARAHIS declined - technical issues faced by both users and admin/ frequent access failure /restoring remains challenging/ outdated/no Backup plan
- ARAHIS /WAHIS Integration Project
- Data discrepancies - WAHIS (FMD reports are missing report in 6 monthly report), ARAHIS and country report

THANK YOU FOR YOUR ATTENTION

https://rr-asia.woah.org/en/our-mission/our-mission-regional-strategies/the-south-east-asia-and-china-foot-and-mouth-disease-seacfmd-campaign/