



**Dr Yu Qiu**  
OIE Project Officer

# Regional FMD Situation 2015-2020

**OIE SEACFMD Subcommission Meeting**  
**15 December 2020**

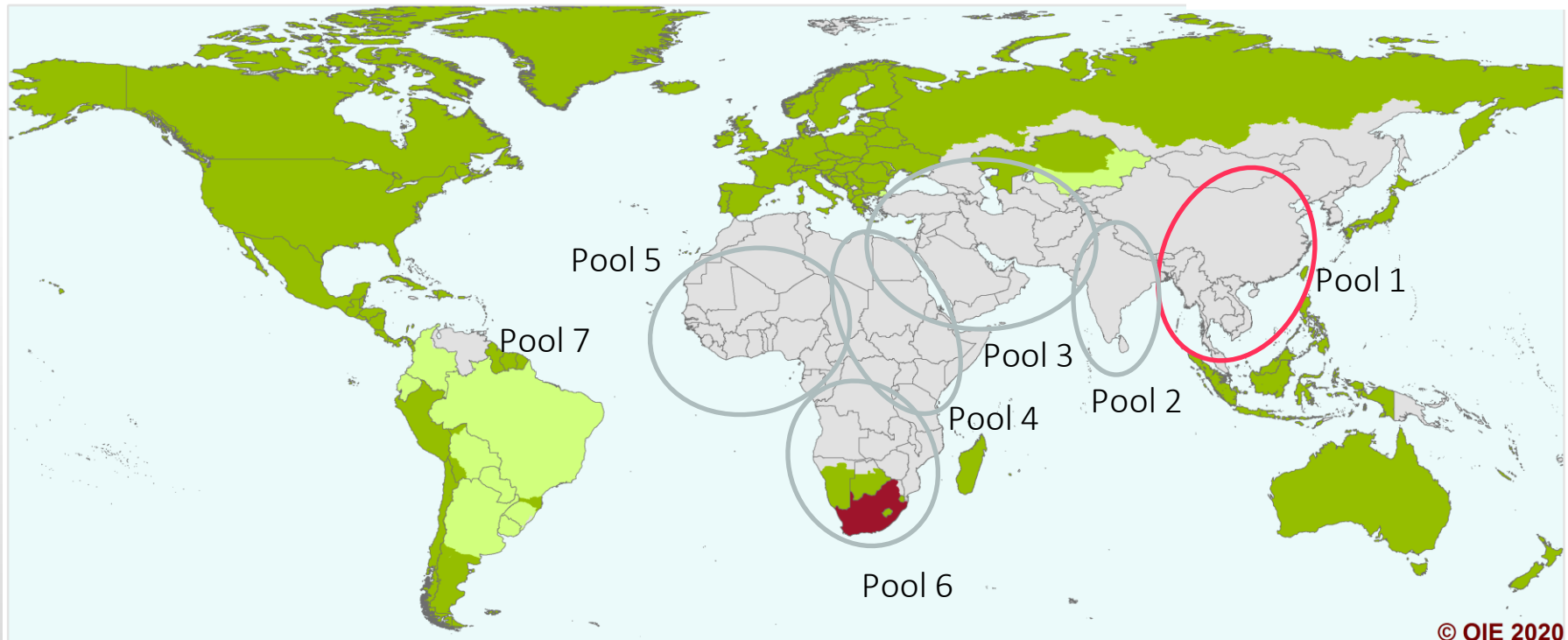


# OIE Global status

- O/Mya-98
- O/PanAsia
- O/Ind-2001
- O/Cathay
- A/SEA-97
- Asia 1

## OIE Members' official FMD status map

Last update June 2020

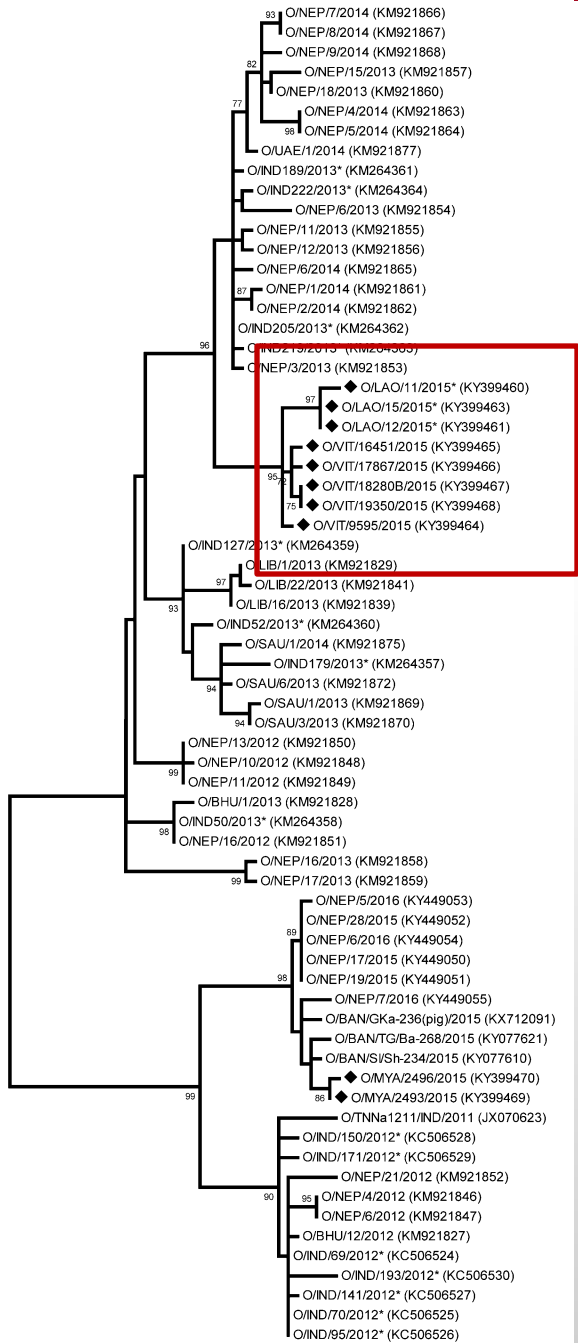


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- Members and zones recognised as free from FMD without vaccination
- Members and zones recognised as free from FMD with vaccination

- Suspension of FMD free status
- Countries and zones without an OIE official status for FMD

# O/Ind2001 2015

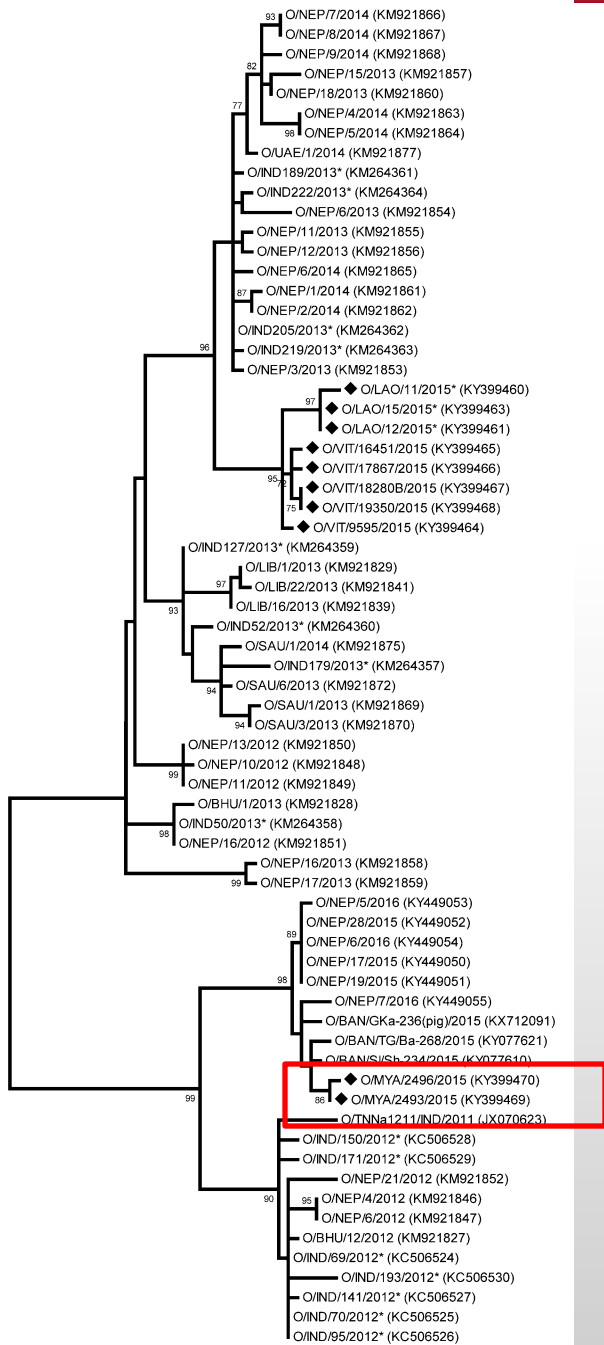


Buffalo tongue?





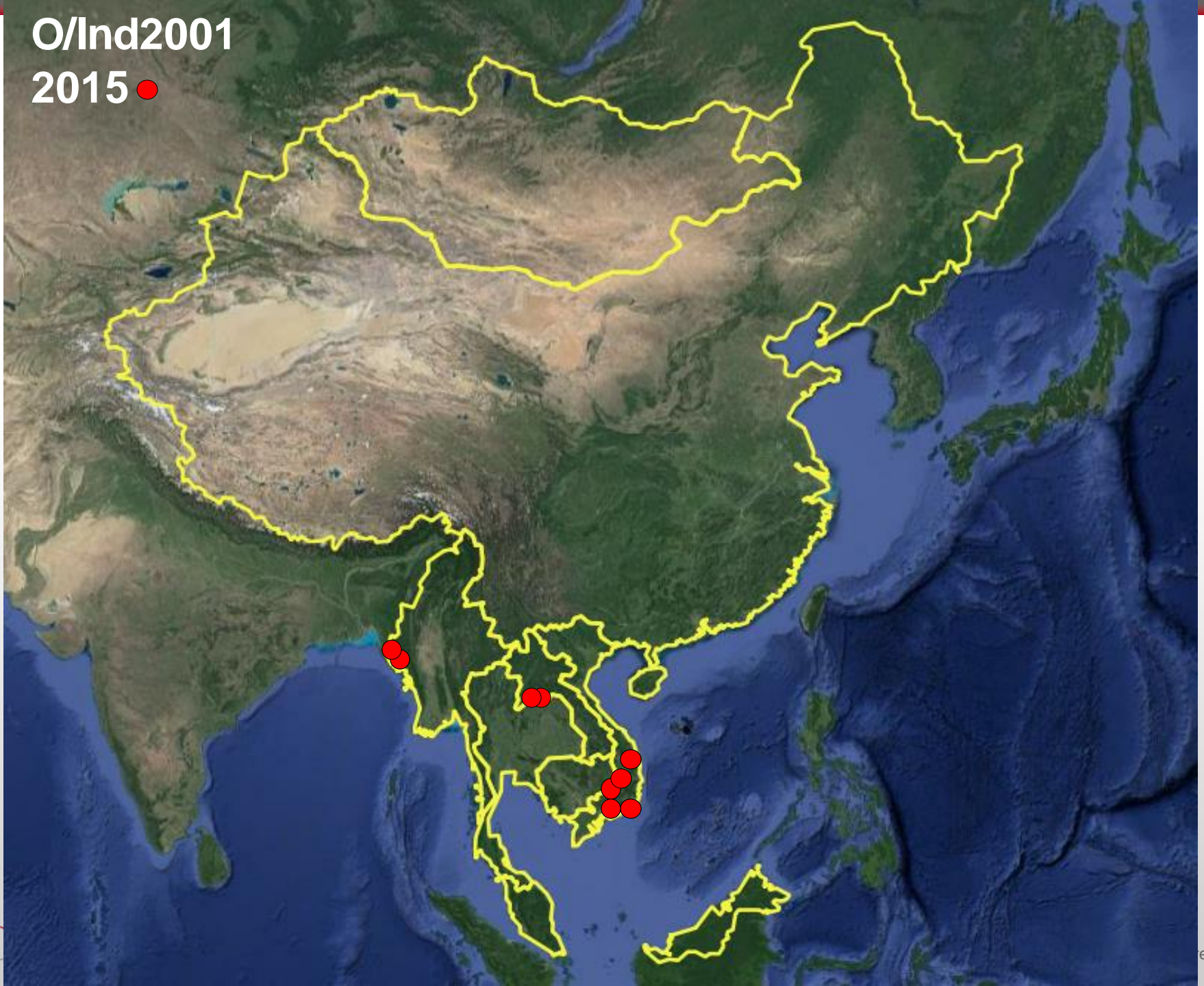
# O/Ind2001 2015



0.01

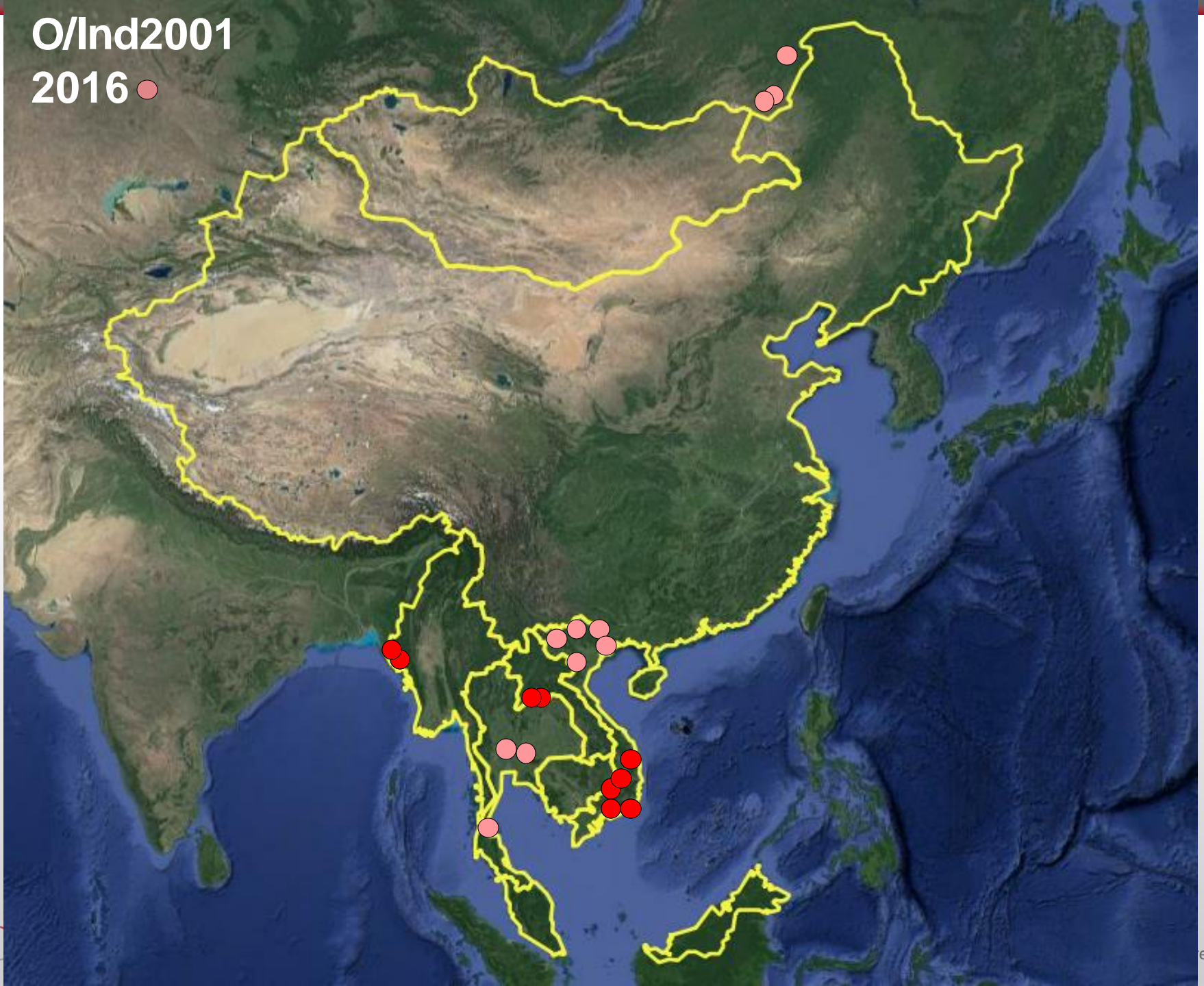


O/Ind2001  
2015 ●



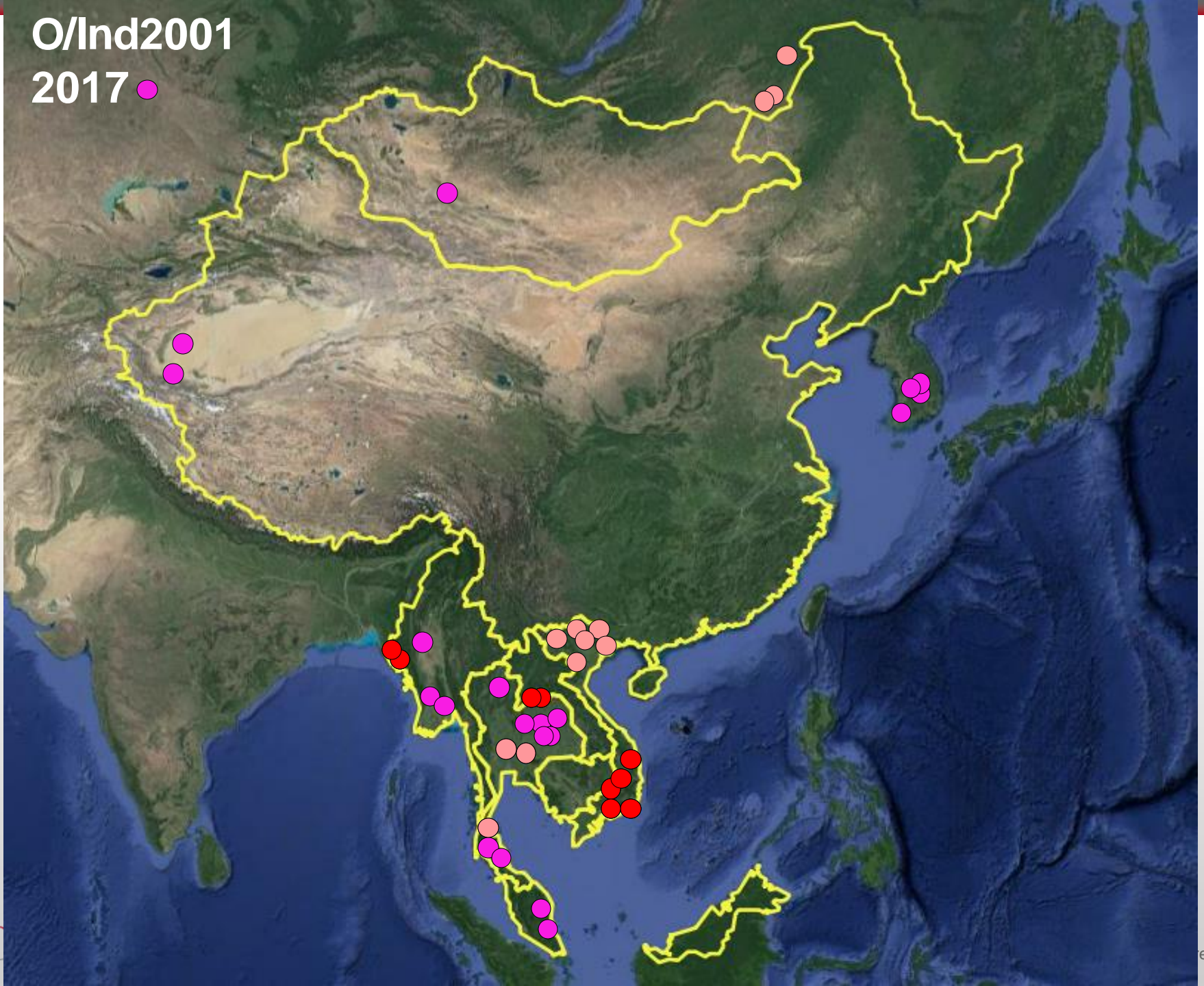


O/Ind2001  
2016 ●

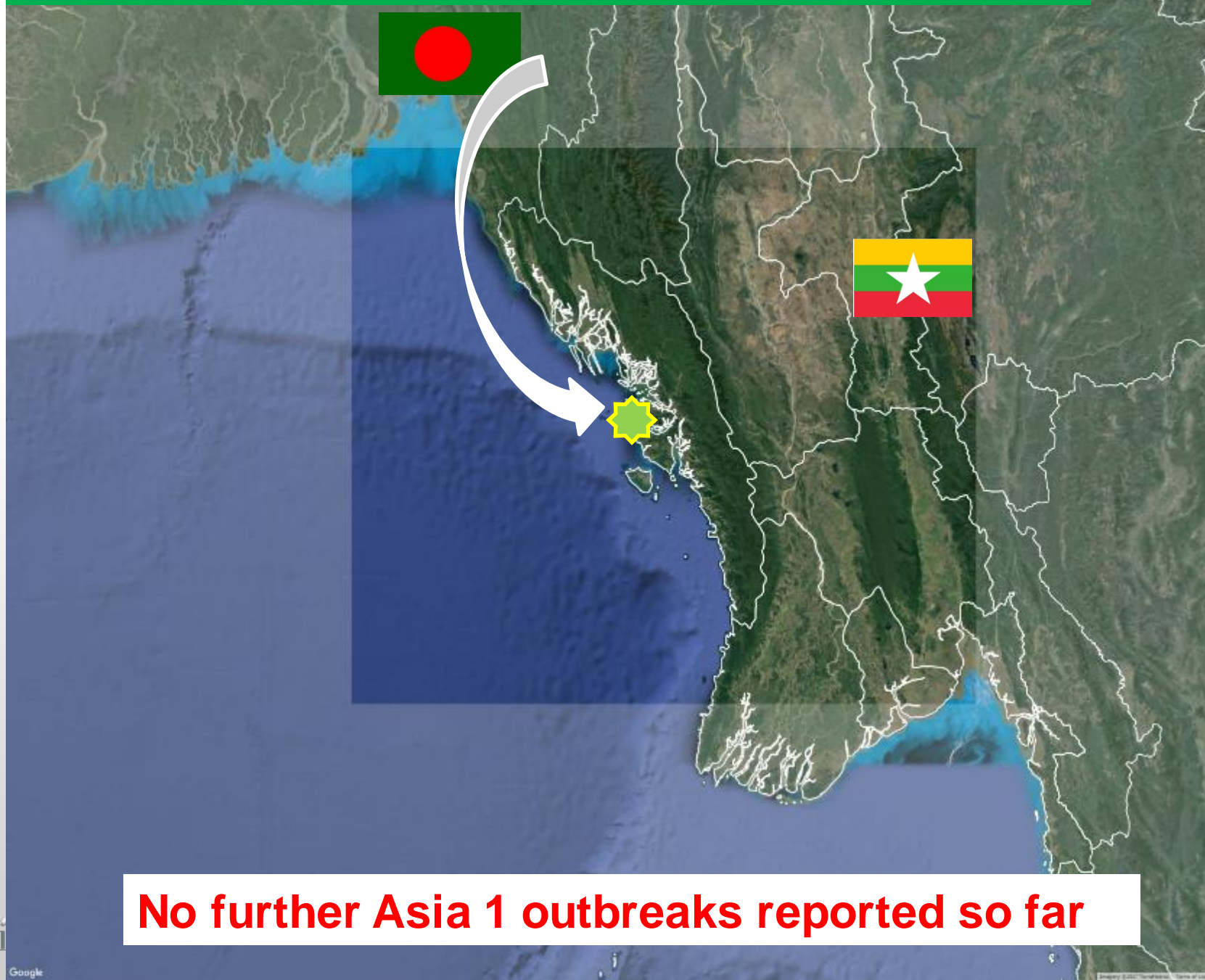




O/Ind2001  
2017 ●



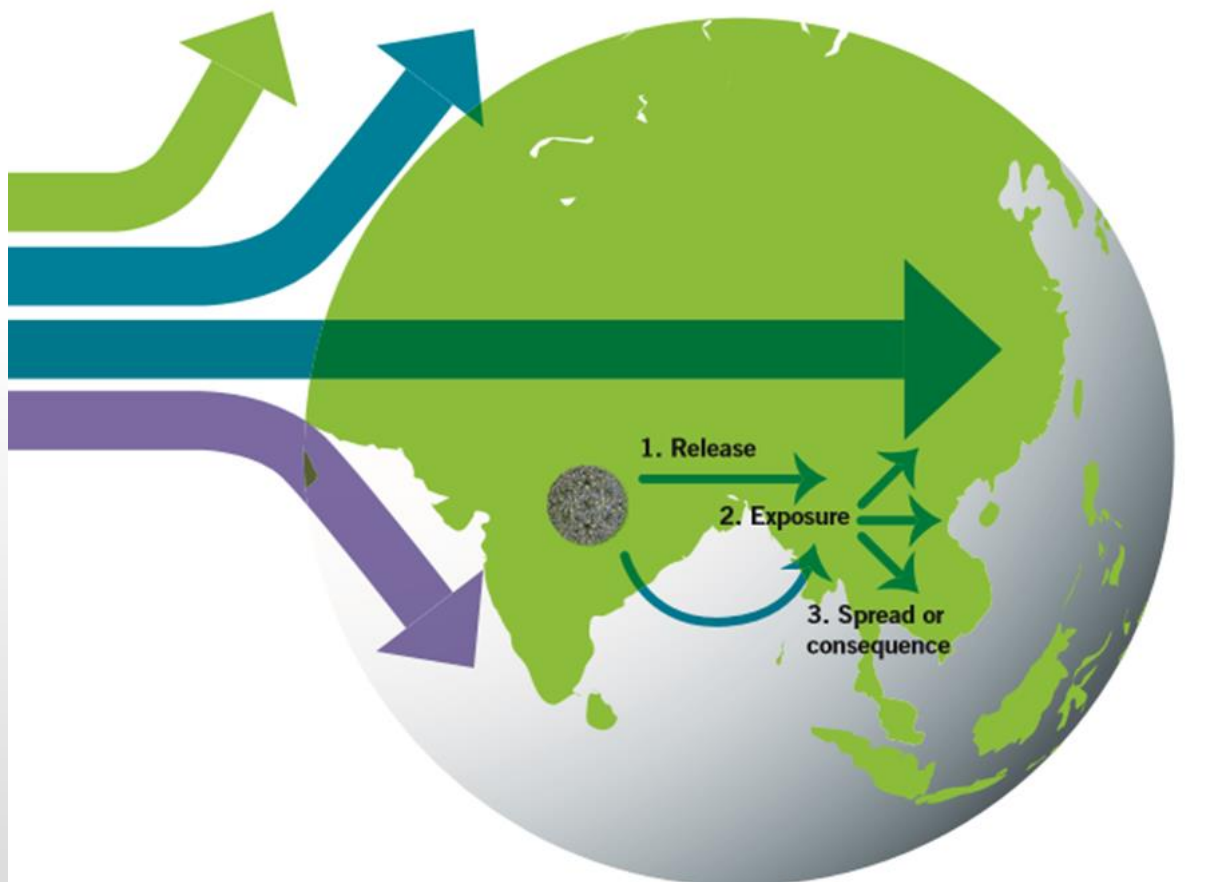
# Serotype Asia 1 in Myanmar in January 2017



**No further Asia 1 outbreaks reported so far**



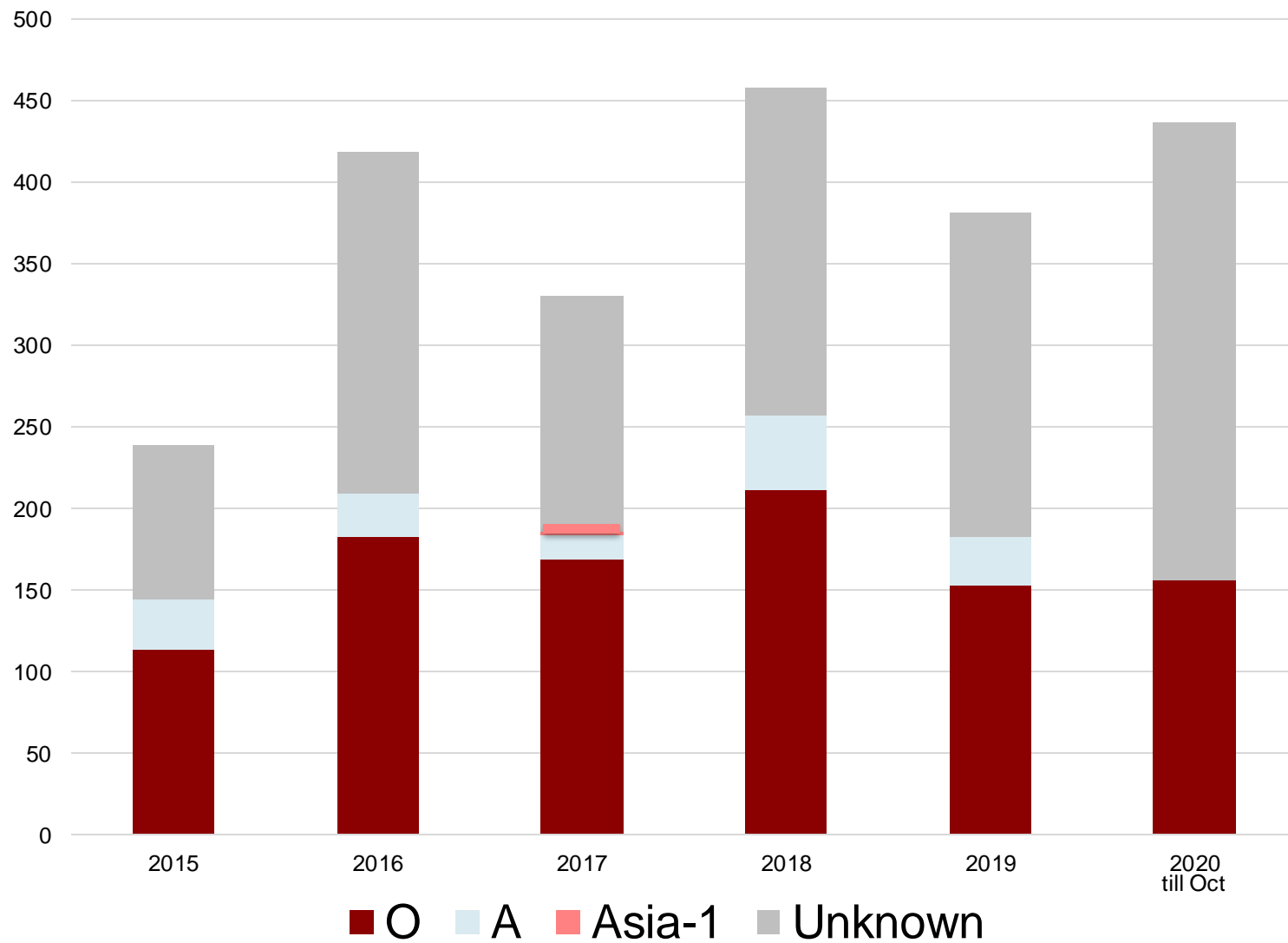
# Risk analysis on incursion of exotic FMD viruses into Southeast Asia



**The risk of further incursions of exotic FMDVs into SEA is not a matter of “if” but rather of “when” !**

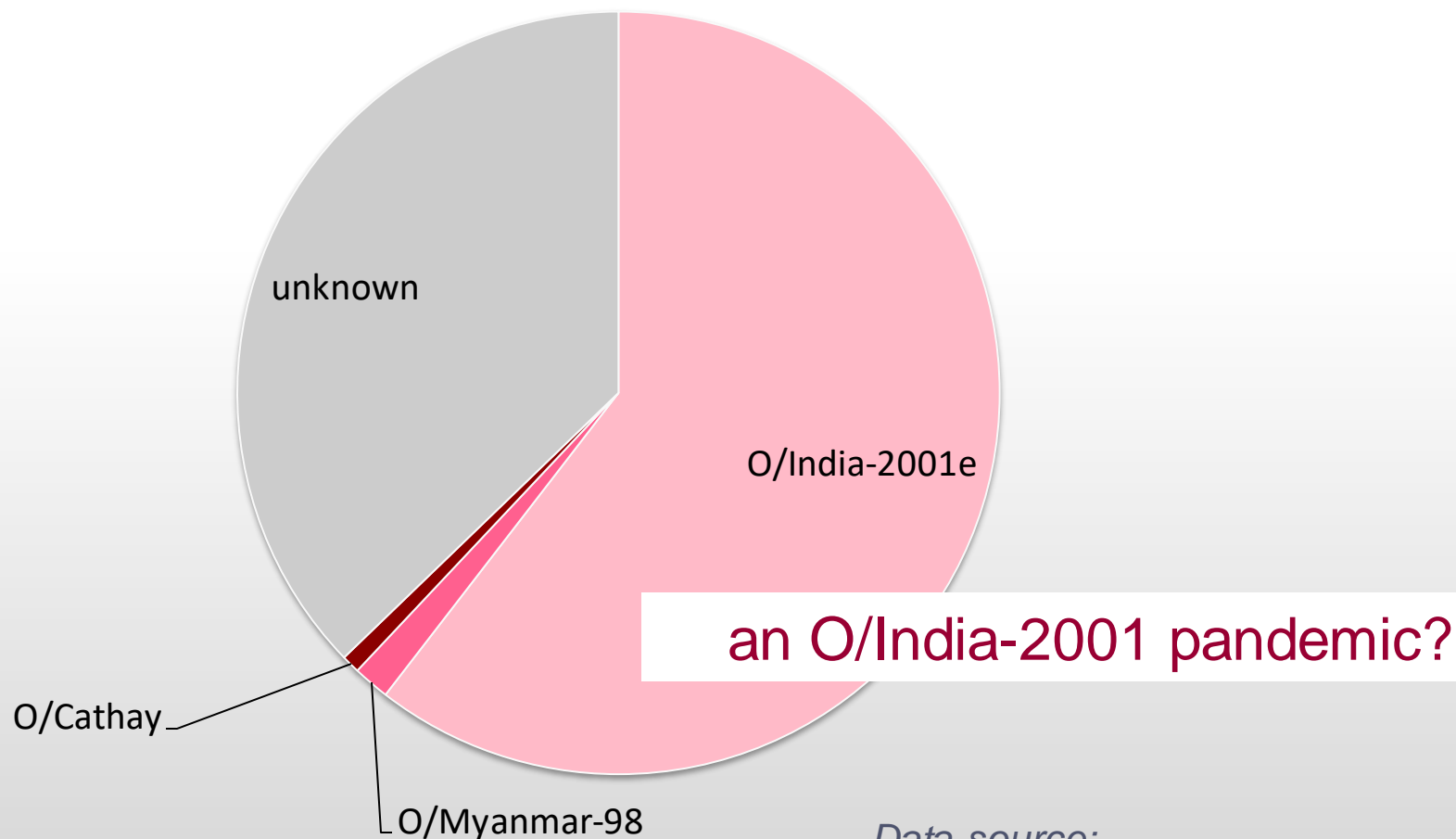
Report available online: <http://www.rr-asia.oie.int/fileadmin/FMDbook-v5.pdf>

## Reported FMD outbreaks in SEACFMD 2015–2020





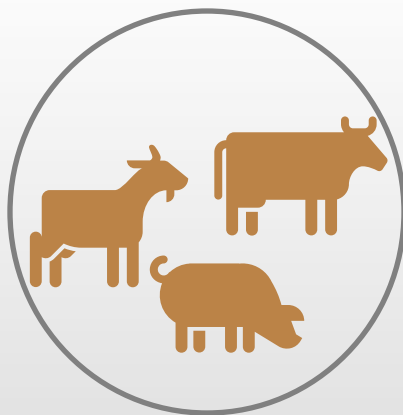
## FMDV genotyping, 2020



*Data source:*  
*Lanzhou vet res institute, **China***  
*Regional ref lab FMD, **Thailand***



## How to improve FMDV molecular epidemiological investigation



Surveillance



Reporting



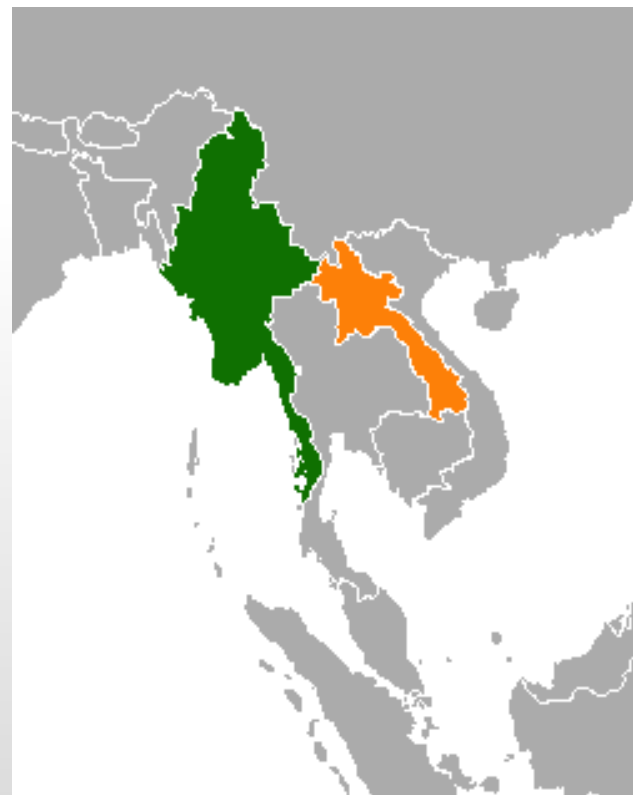
Sampling



Lab diagnosis

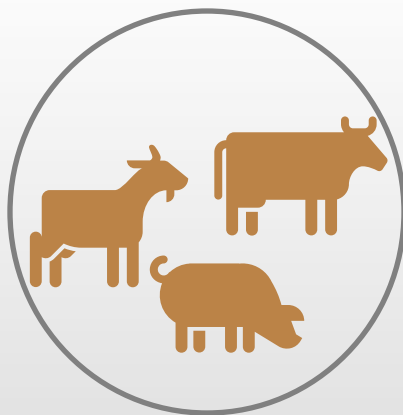


# OIE study to have a better understanding of farmers' and CAHWs' incentives on FMD reporting





## How to improve FMDV molecular epidemiological investigation



Surveillance



Reporting



Sampling



Lab diagnosis

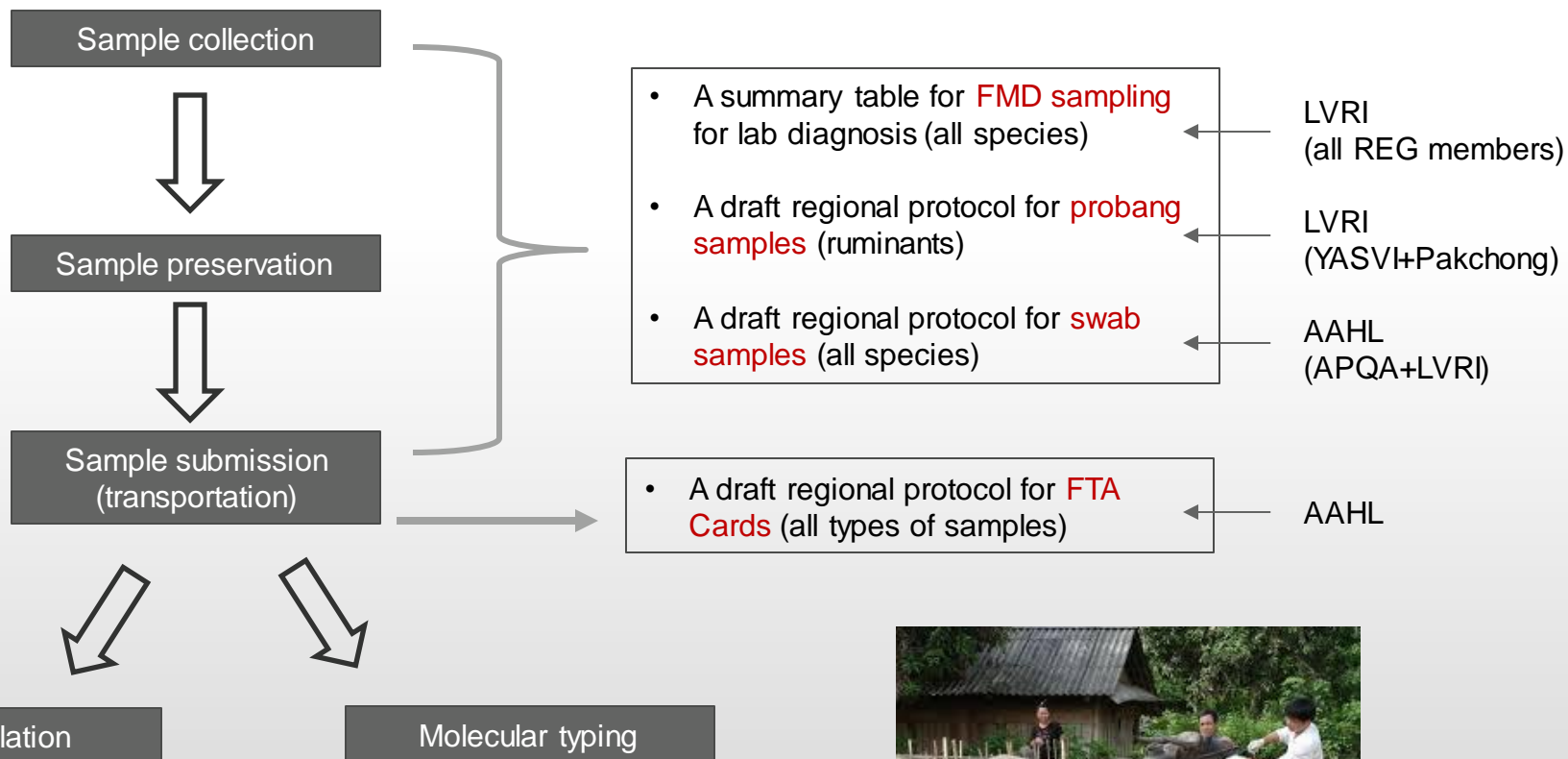


# Establishment of FMD Laboratory Regional Expert Group



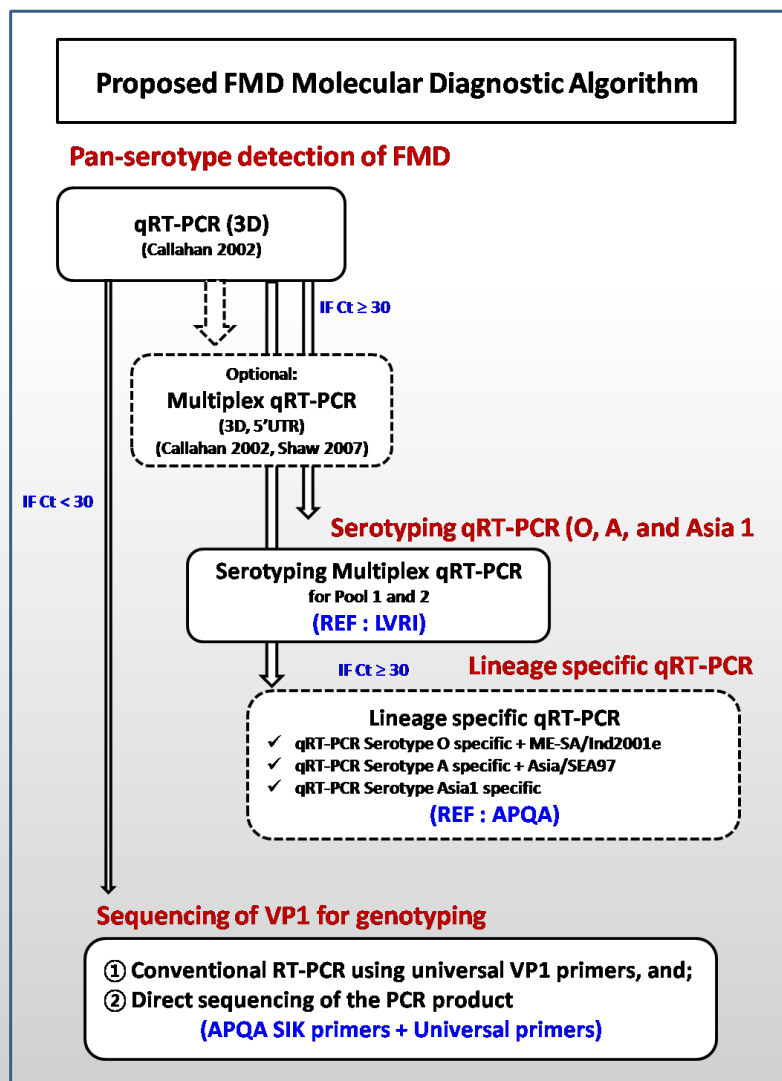
1<sup>st</sup> REG-FMD meeting, 14 – 16 May 2019, Bangkok Thailand

# Development of FMD field sampling SOPs to improve lab diagnosis yields

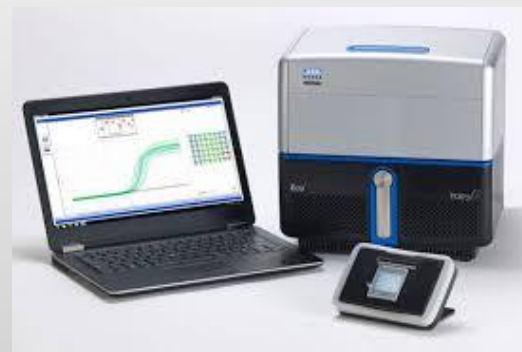




# FMD Molecular Diagnostic Scheme to allow rapid virus identification and characterization



Rapid FMDV serotyping and genotyping within **2 days** based on real-time RT-PCR



# THANKS FOR YOUR ATTENTION!

