



Dr Yu Qiu
OIE Project Officer

Regional FMD Situation 2015-2020

OIE SEACFMD Subcommittee Meeting
15 December 2020

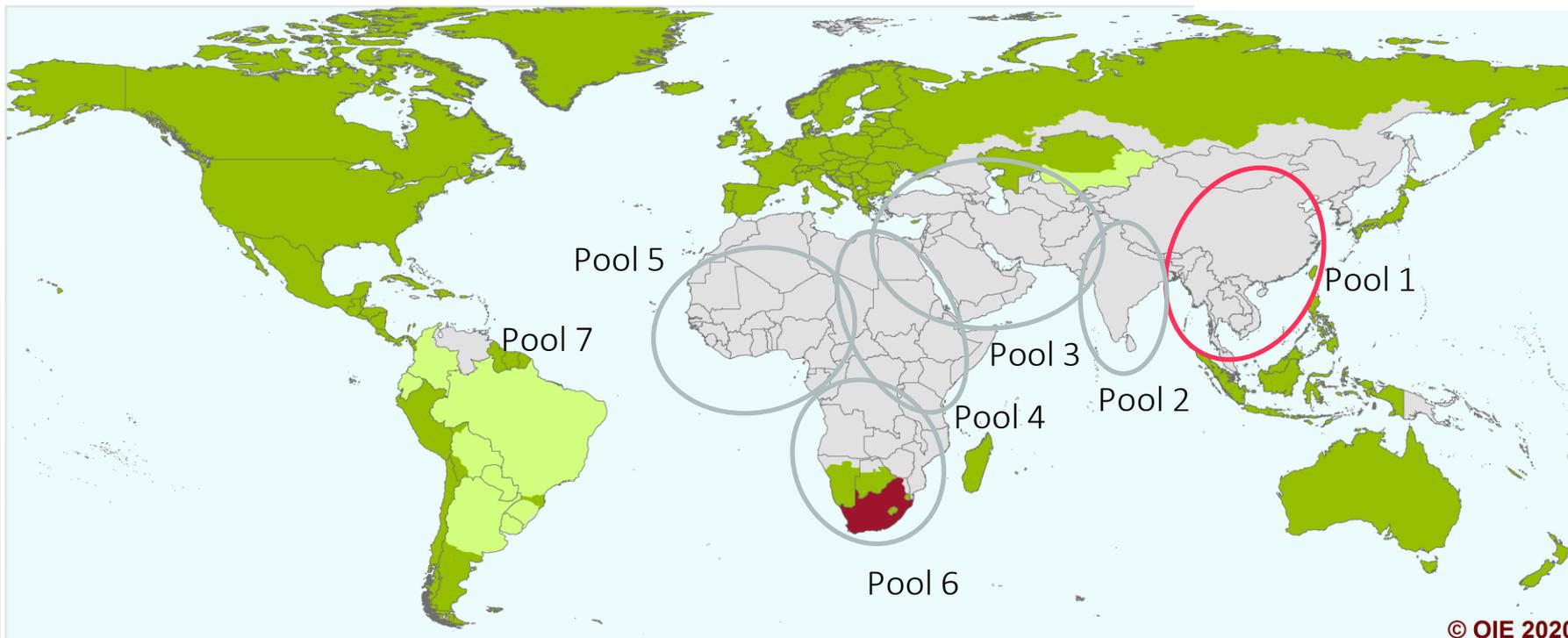


OIE Global status

- 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

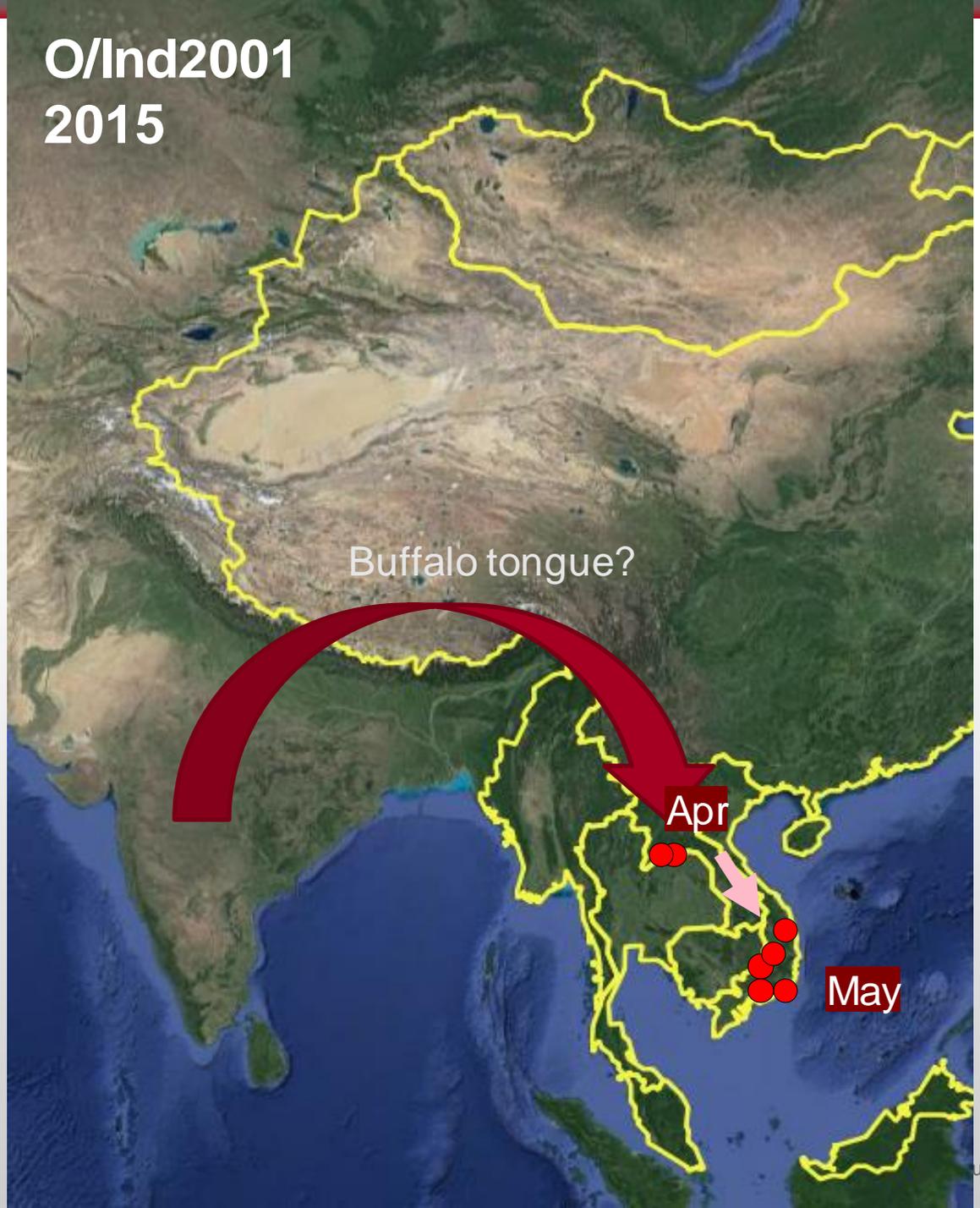
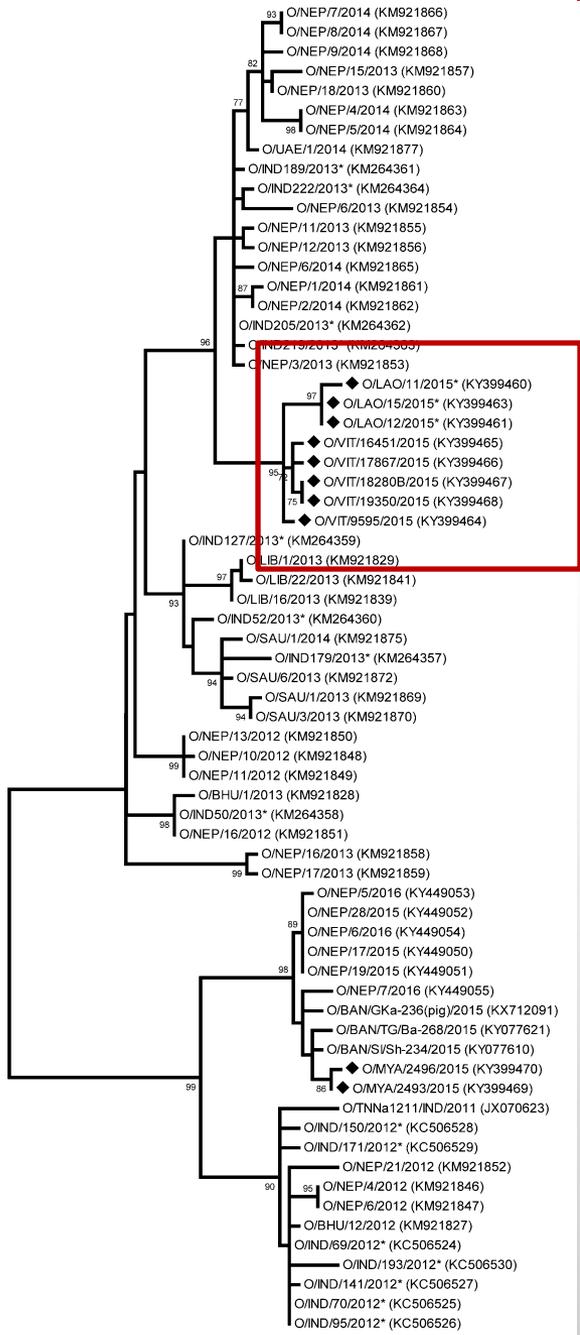


© OIE 2020

- 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



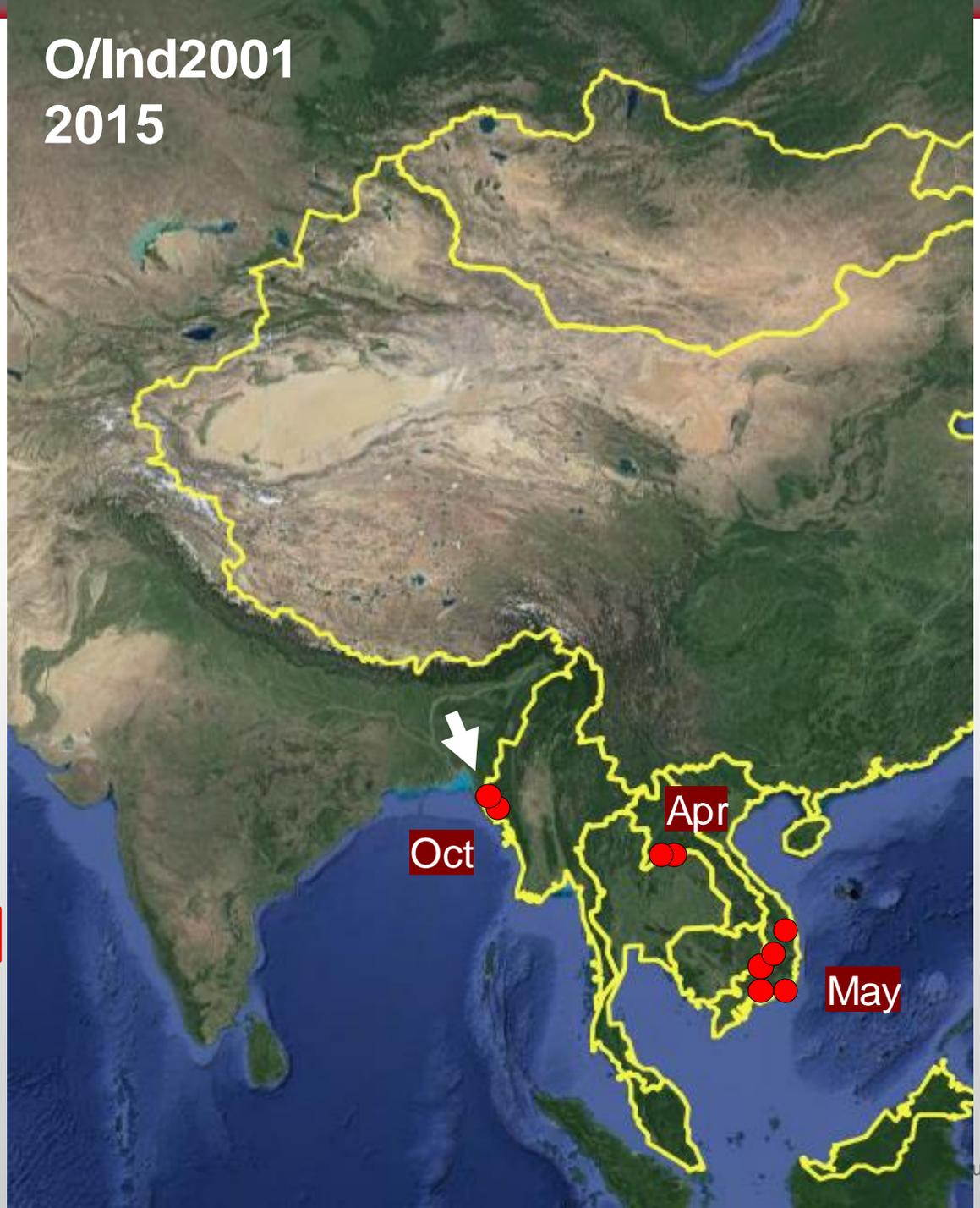
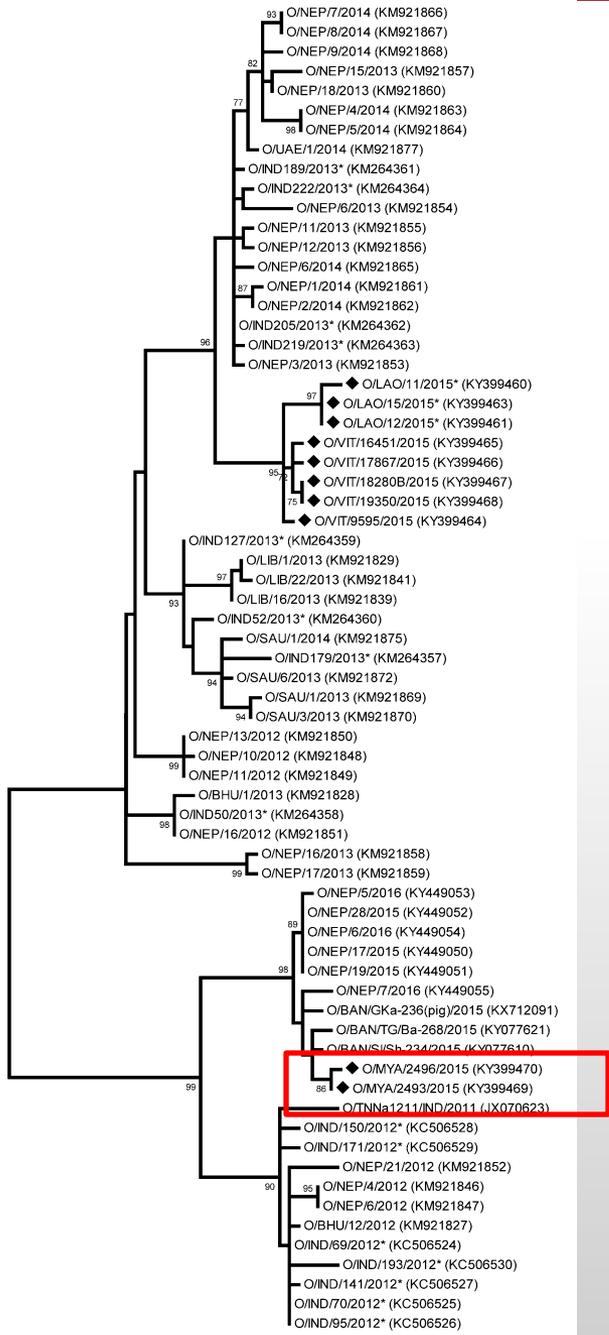
Buffalo tongue?

Apr

May

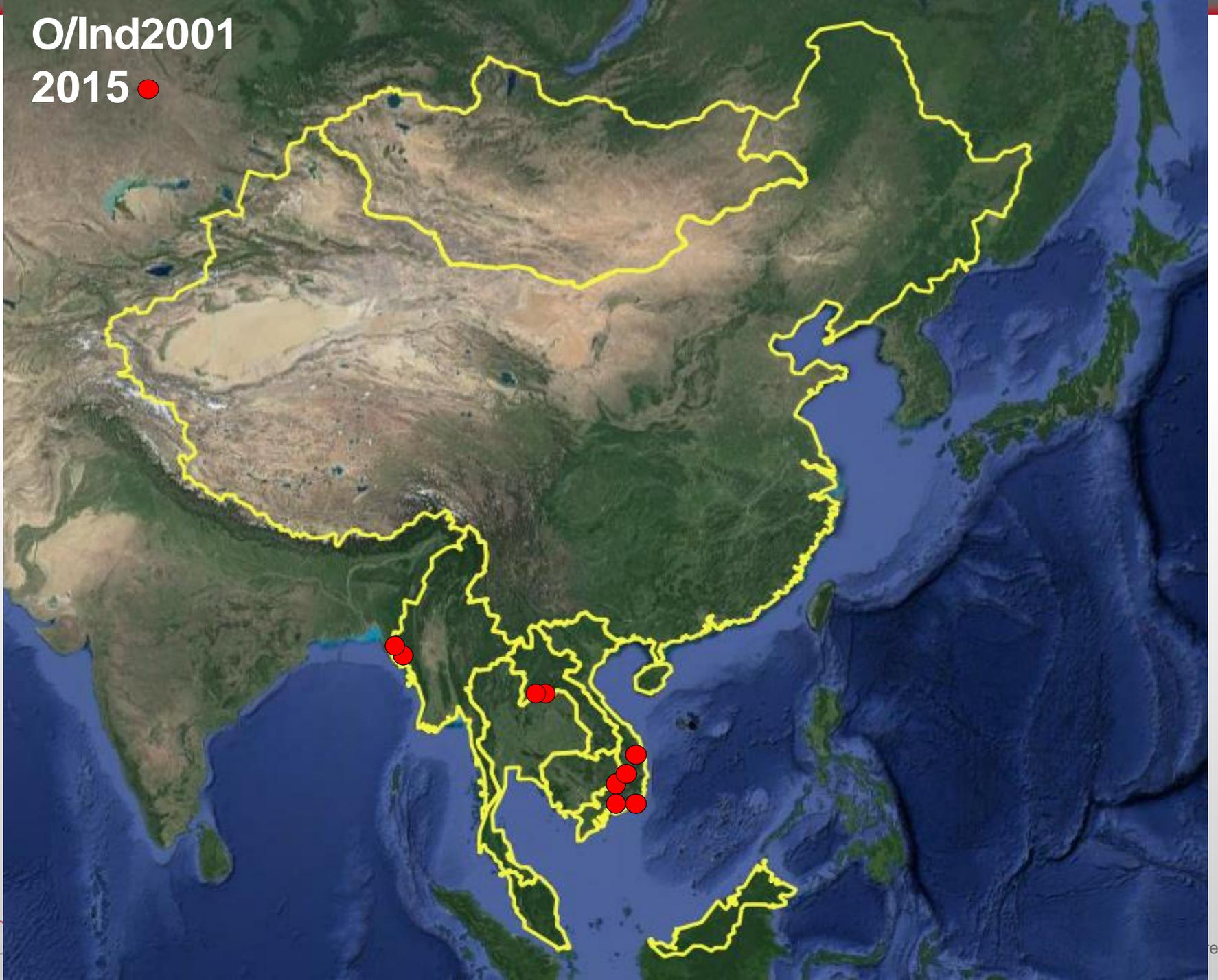
0.01

O/Ind2001 2015

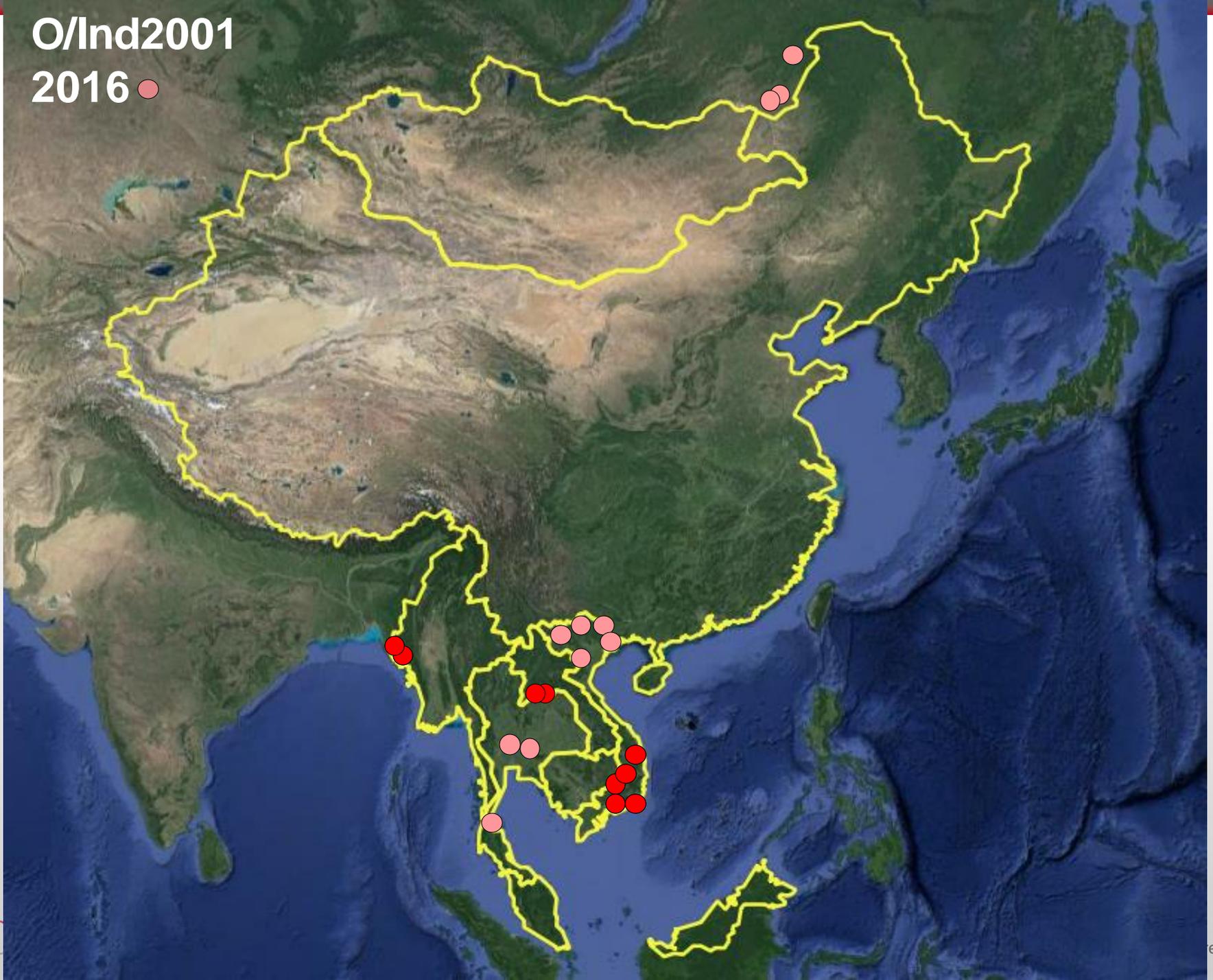


0.01

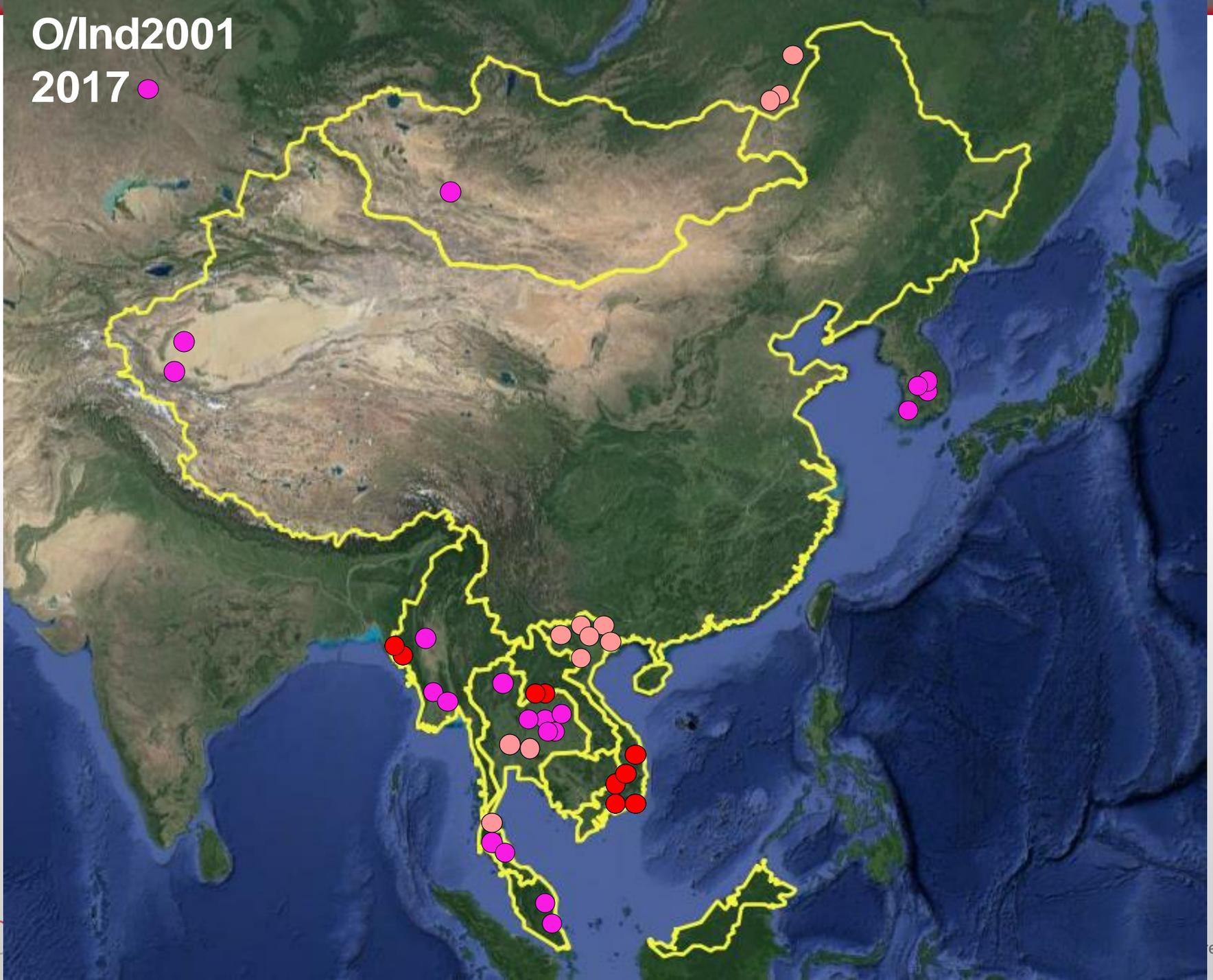
O/Ind2001
2015 ●



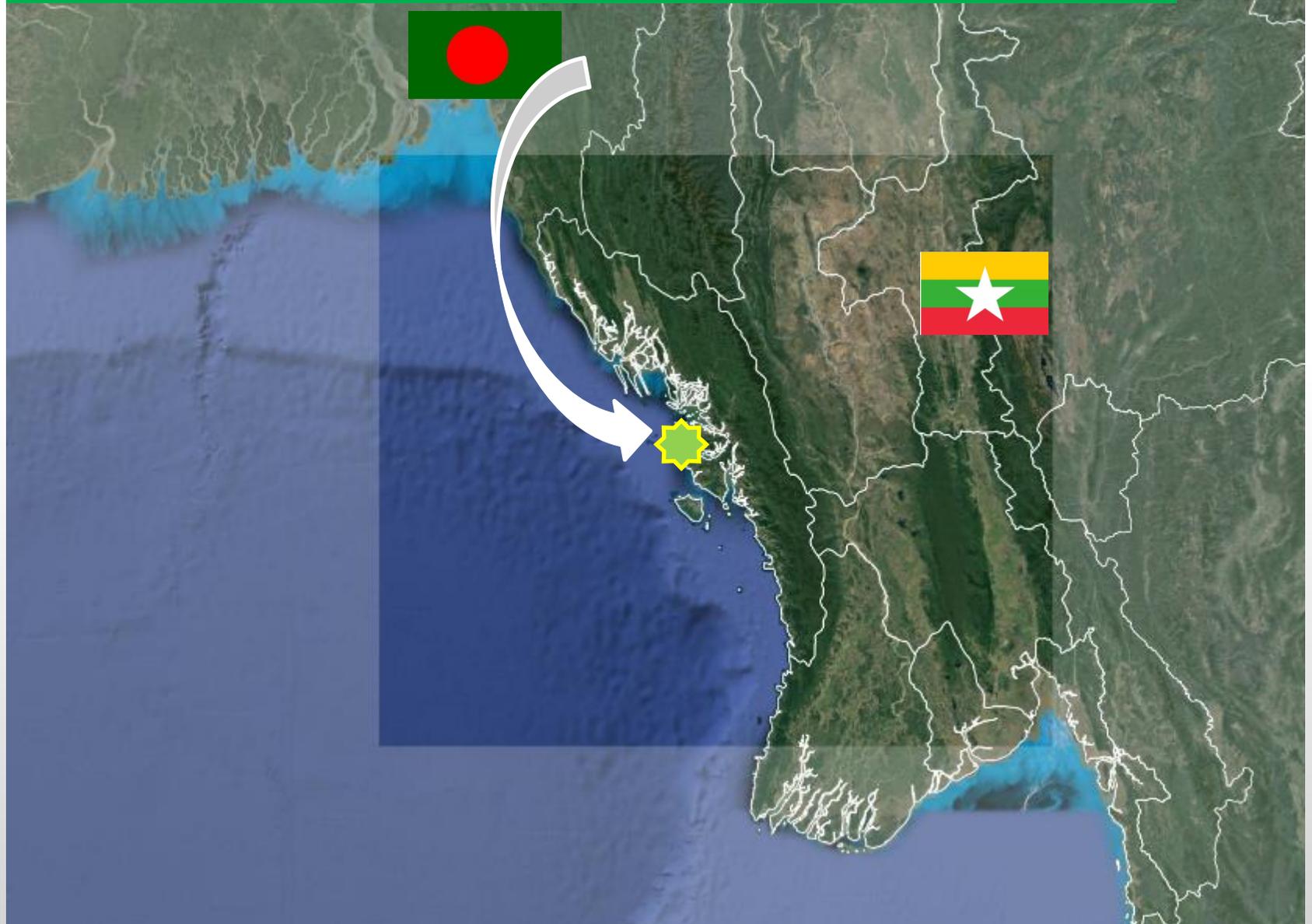
O/Ind2001
2016 ●



O/Ind2001
2017 ●

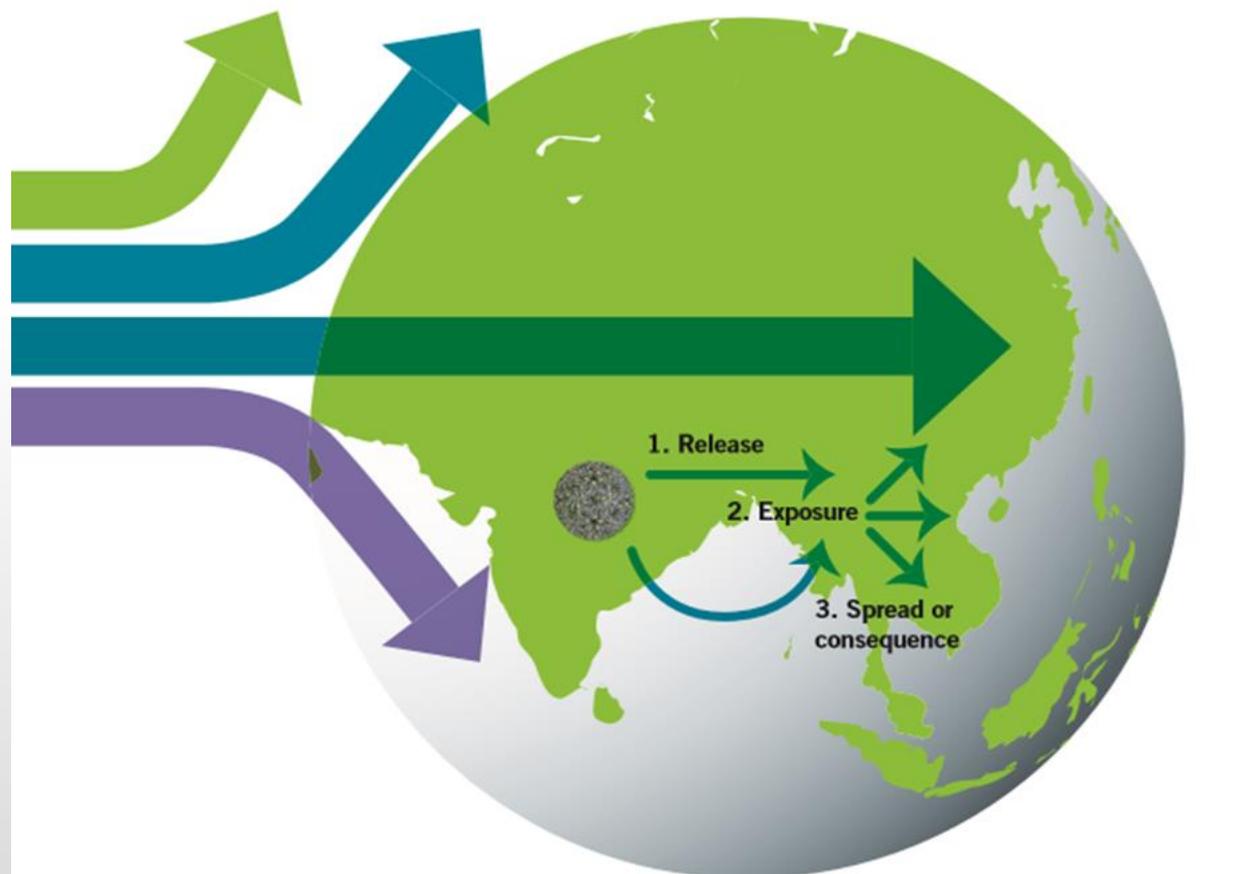


Serotype Asia 1 in Myanmar in January 2017



No further Asia 1 outbreaks reported so far

Risk analysis on incursion of exotic FMD viruses into Southeast Asia

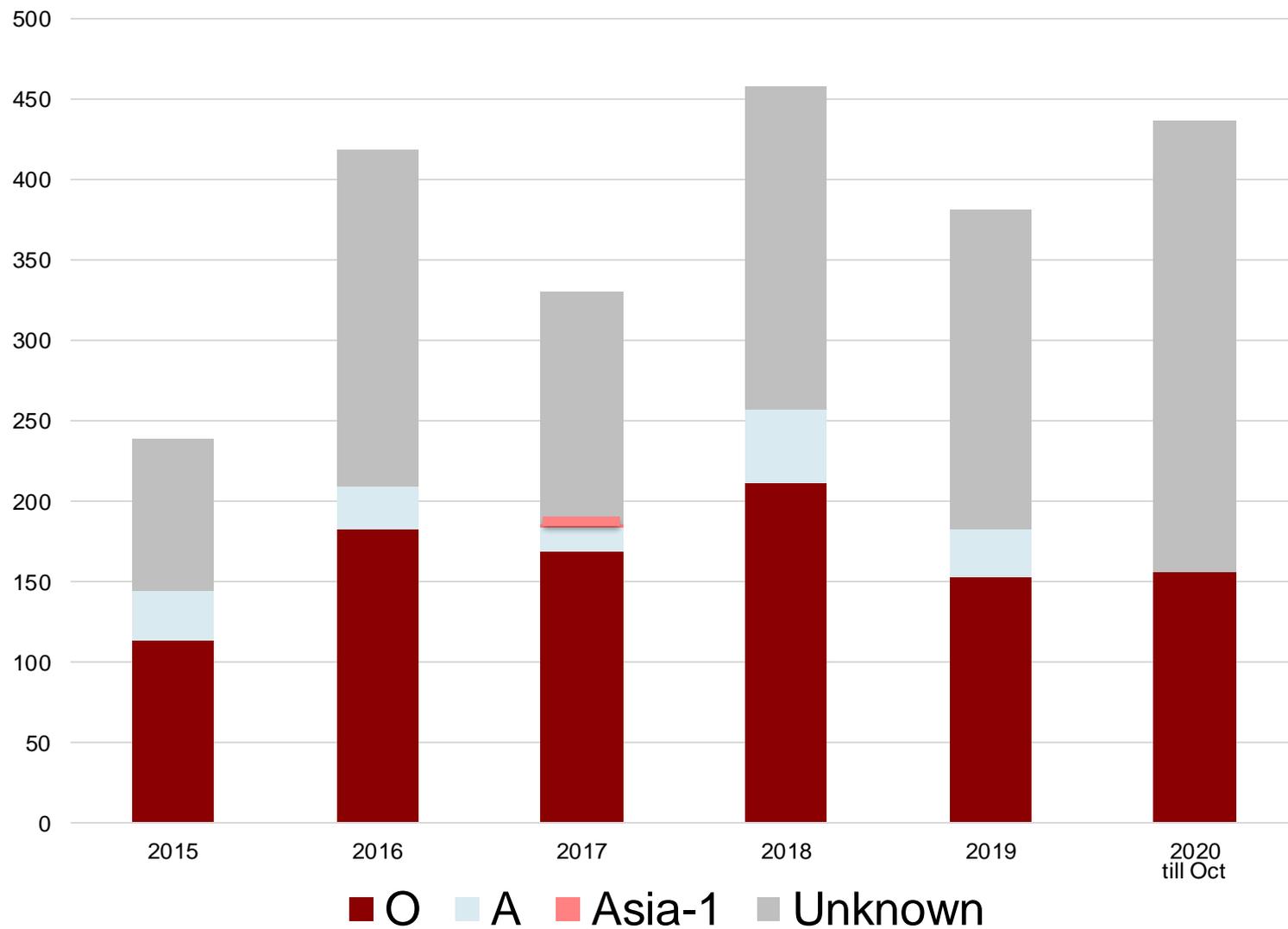


The risk of further incursions of exotic FMDVs into SEA is not a matter of “if” but rather of “when” !

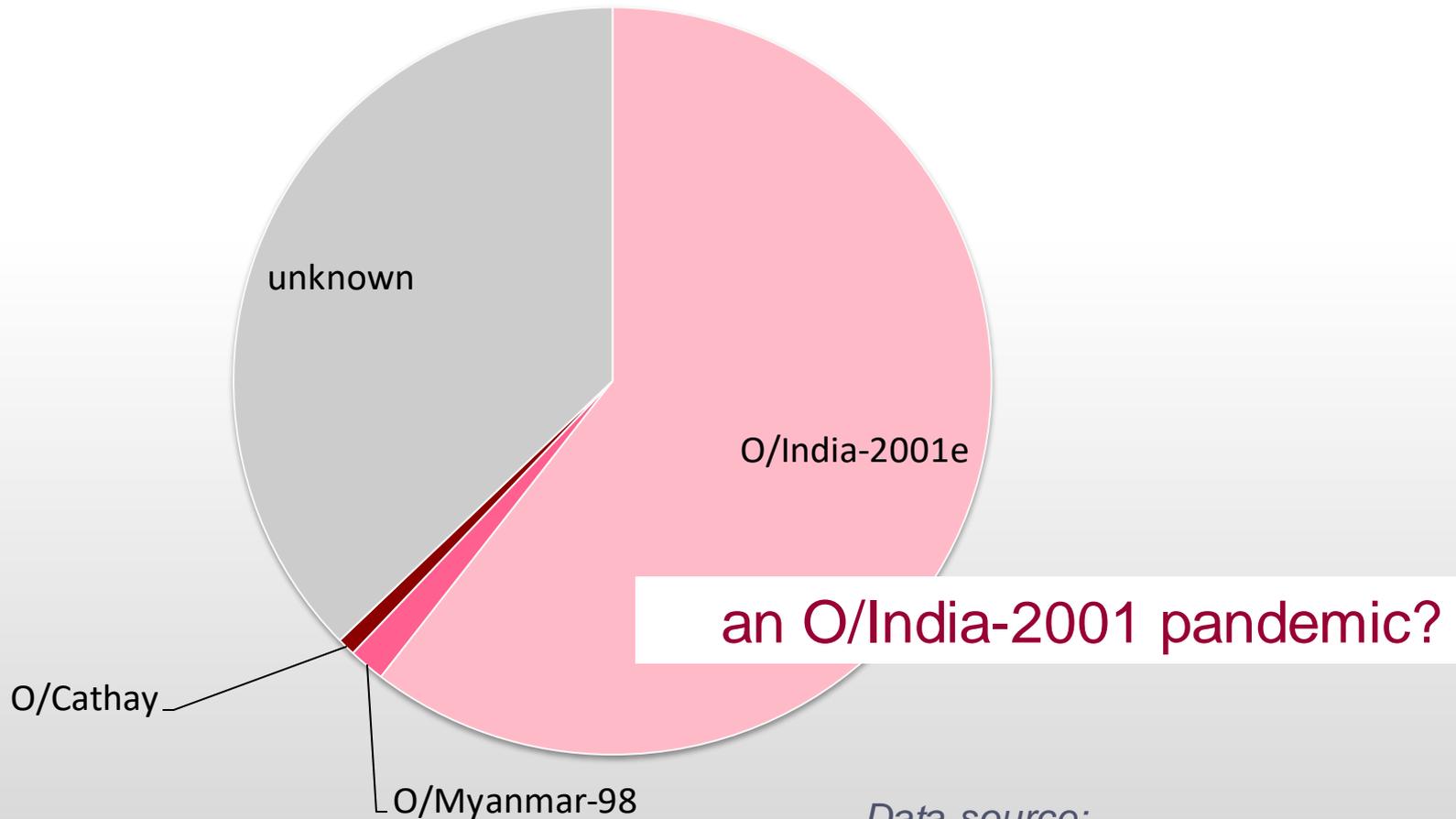
Report available online: <http://www.rr-asia.oie.int/fileadmin/FMDbook-v5.pdf>



Reported FMD outbreaks in SEACFMD 2015–2020



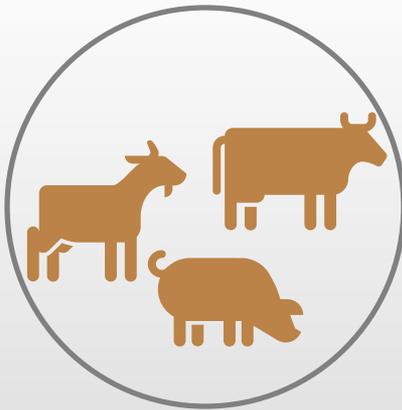
FMDV genotyping, 2020



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



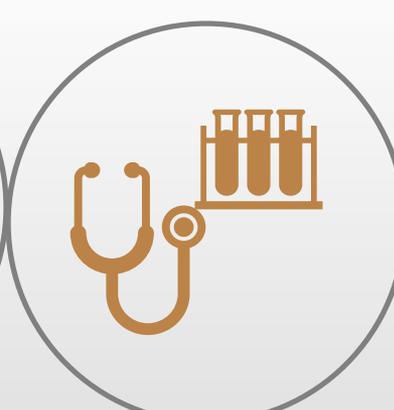
How to improve FMDV molecular epidemiological investigation



Surveillance



Reporting



Sampling



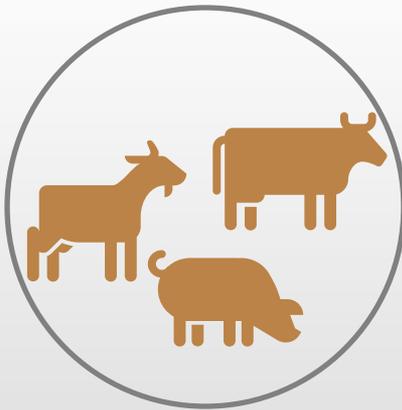
Lab diagnosis

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



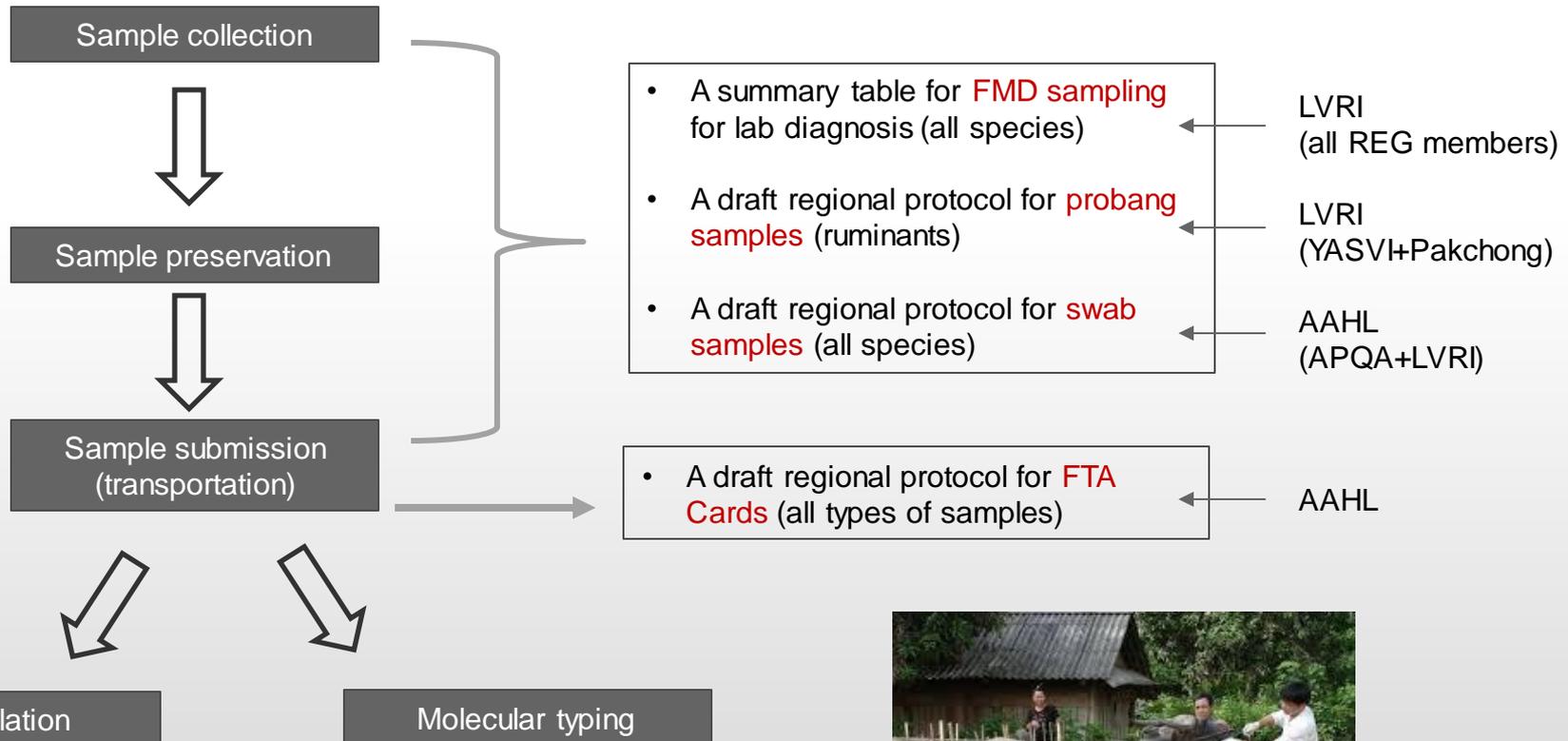
Lab diagnosis

Establishment of FMD Laboratory Regional Expert Group



1st REG-FMD meeting, 14 – 16 May 2019, Bangkok Thailand

Development of FMD field sampling SOPs to improve lab diagnosis yields

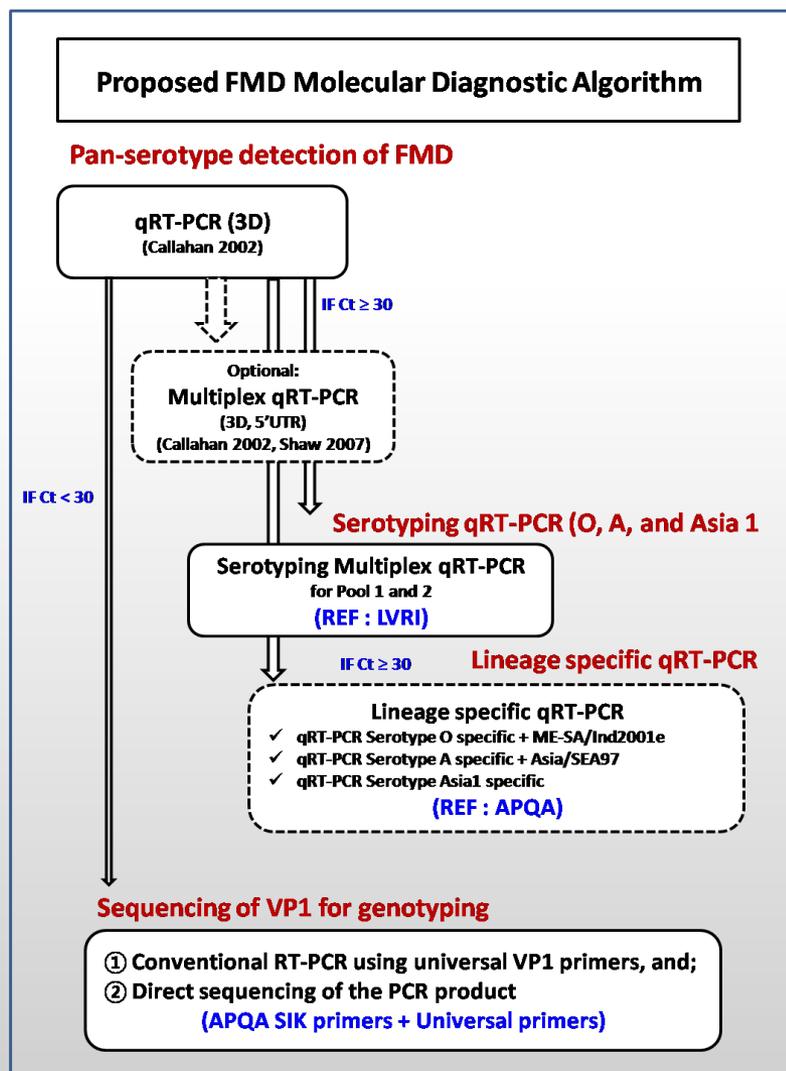


Agree not to explore a regional technical guideline on cell culture and VI

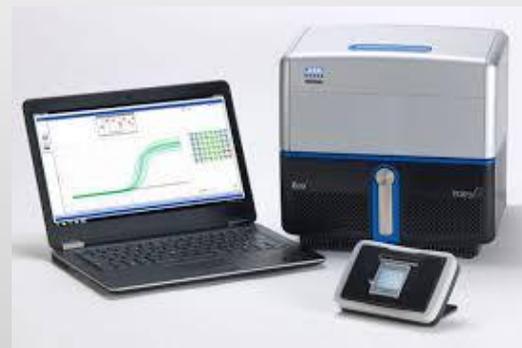
Discussed at Session 1



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!

