



Regional FMD Situation updated

Dr Bolortuya Purevsuren

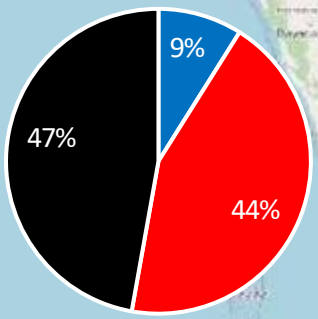
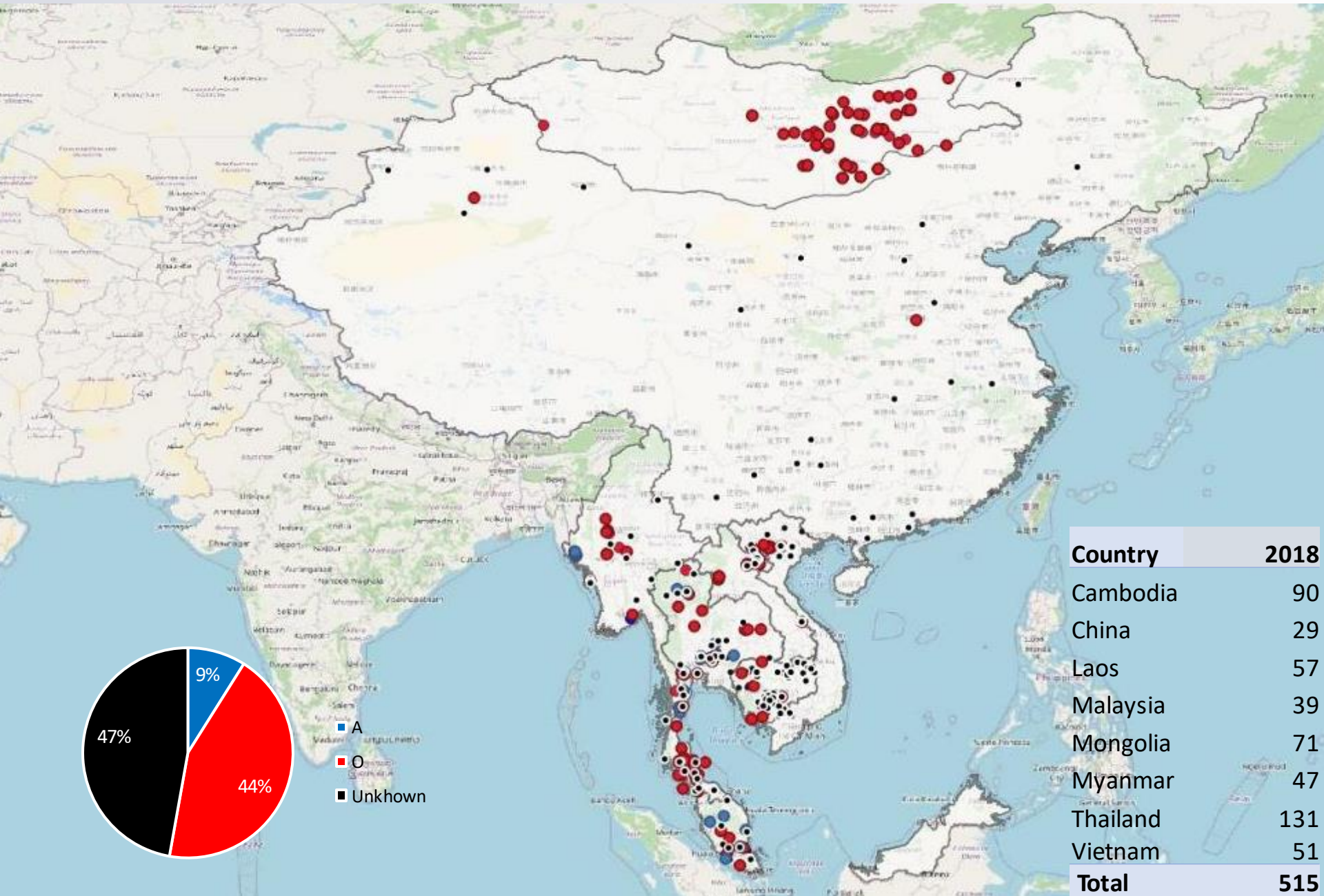
OIE SRR SEA

24th SEACFMD National Coordinators meeting

29-30 July 2021

FMD Situation update 2018 until the present

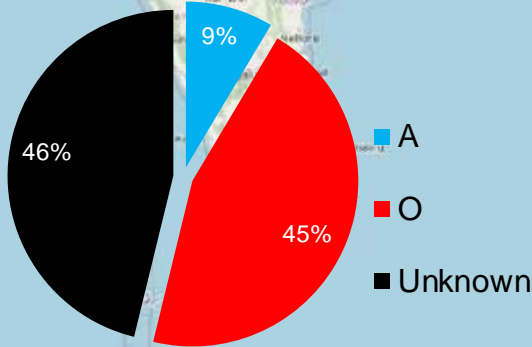
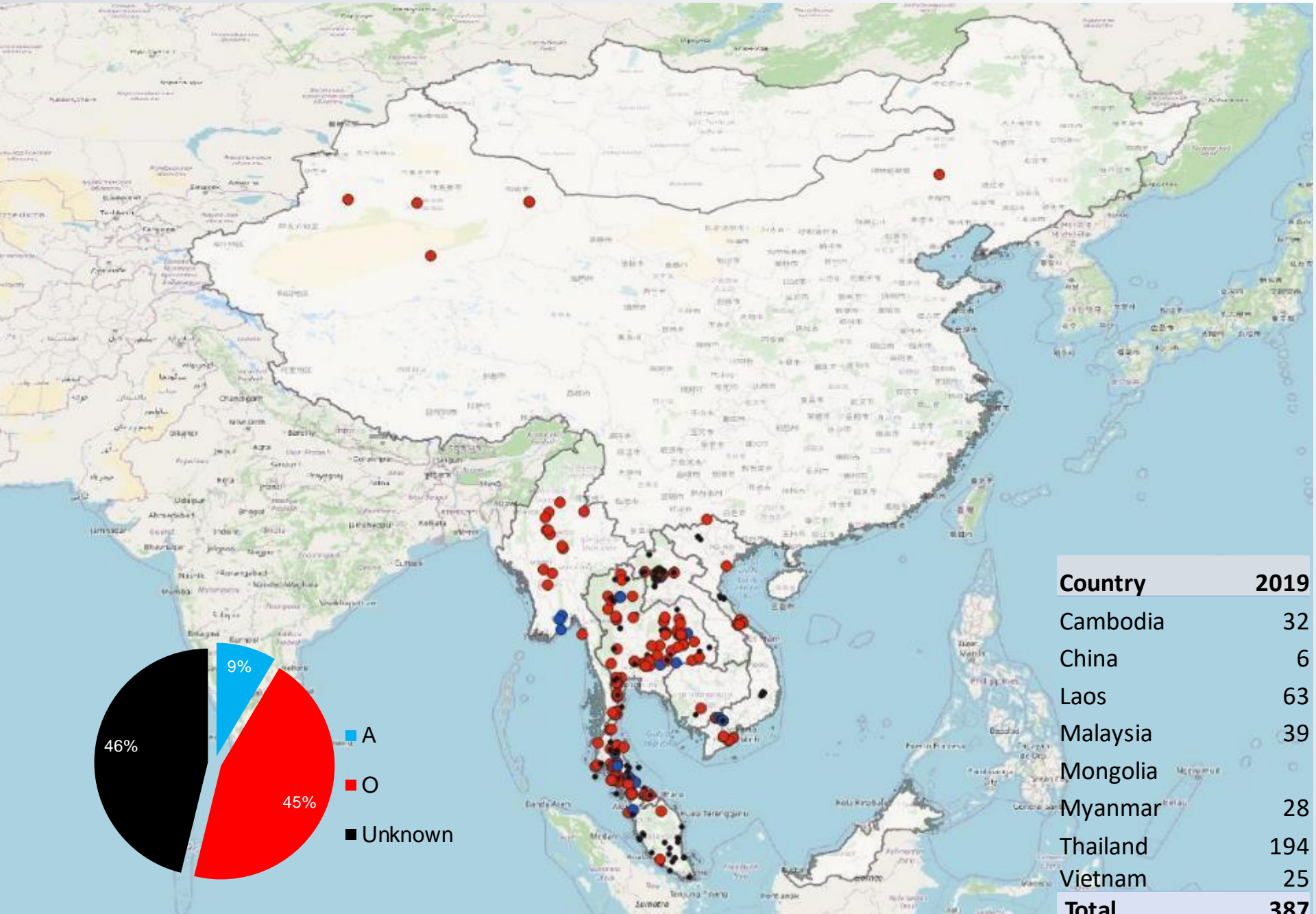
FMD outbreaks 2018



■ A
■ O
■ Unkown

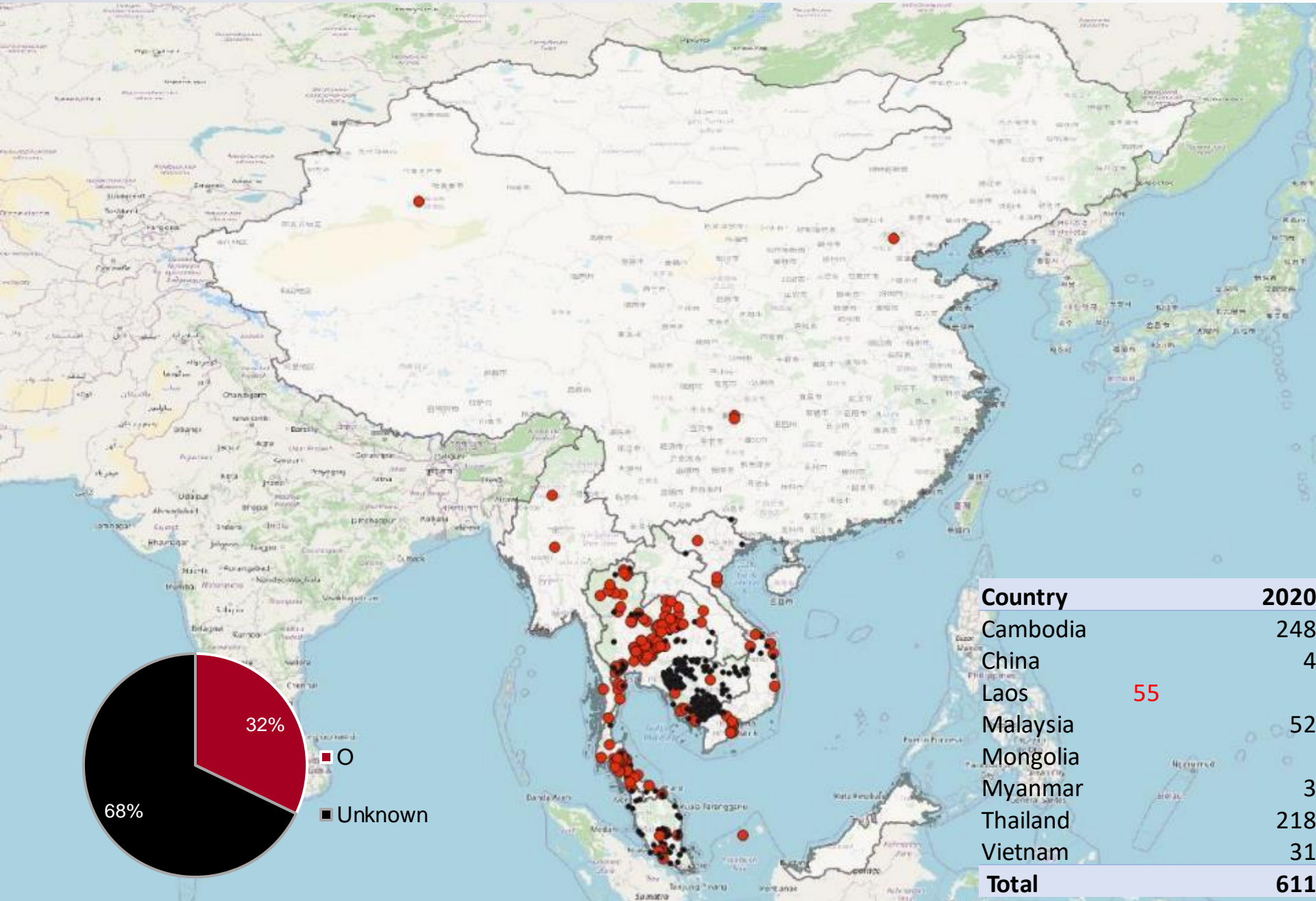
Country	2018
Cambodia	90
China	29
Laos	57
Malaysia	39
Mongolia	71
Myanmar	47
Thailand	131
Vietnam	51
Total	515

FMD outbreaks 2019

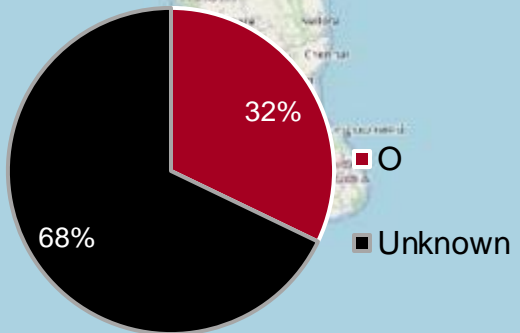


Country	2019
Cambodia	32
China	6
Laos	63
Malaysia	39
Mongolia	
Myanmar	28
Thailand	194
Vietnam	25
Total	387

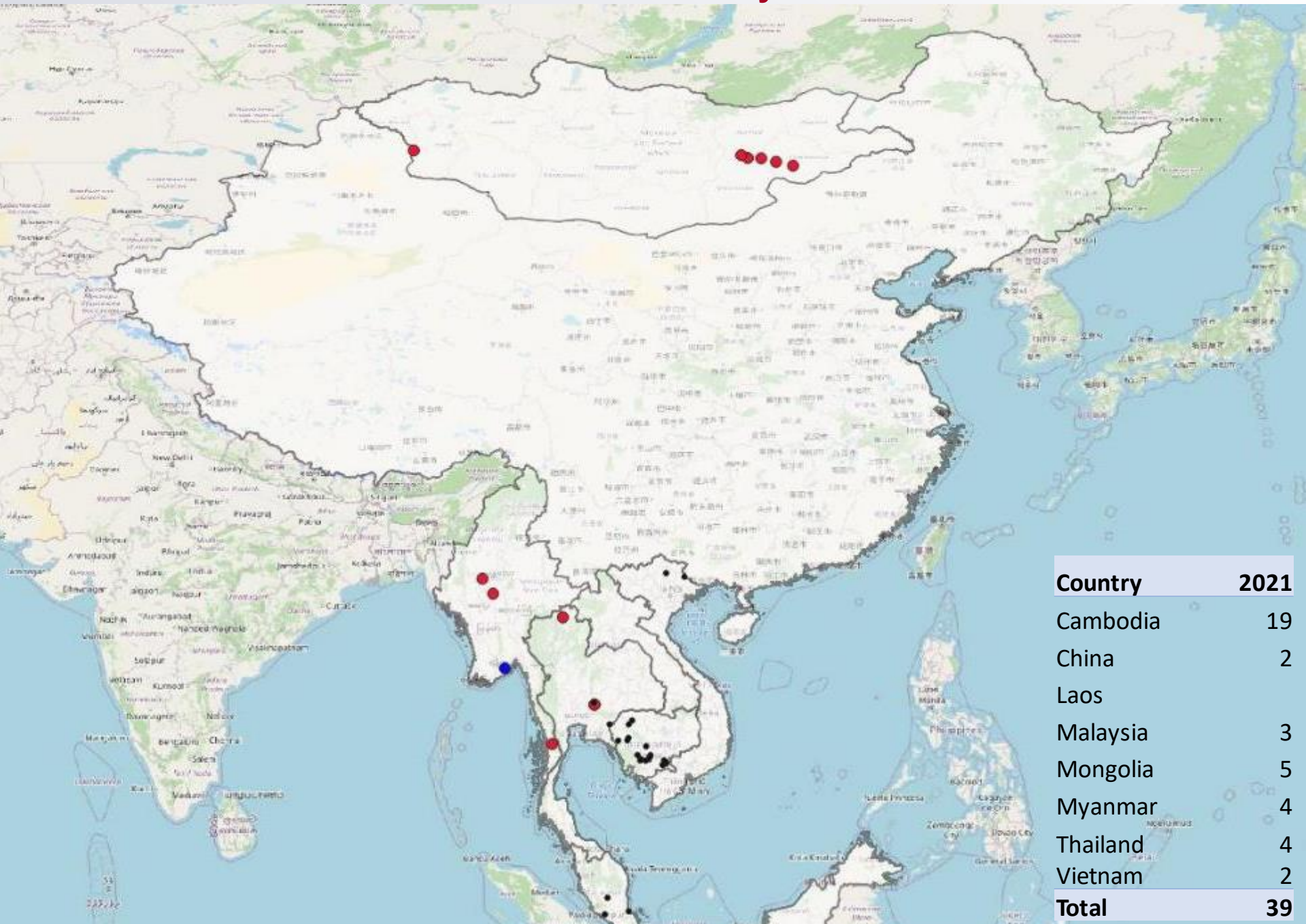
FMD outbreaks 2020



Country	2020
Cambodia	248
China	4
Laos	55
Malaysia	52
Mongolia	3
Myanmar	218
Thailand	31
Vietnam	3
Total	611

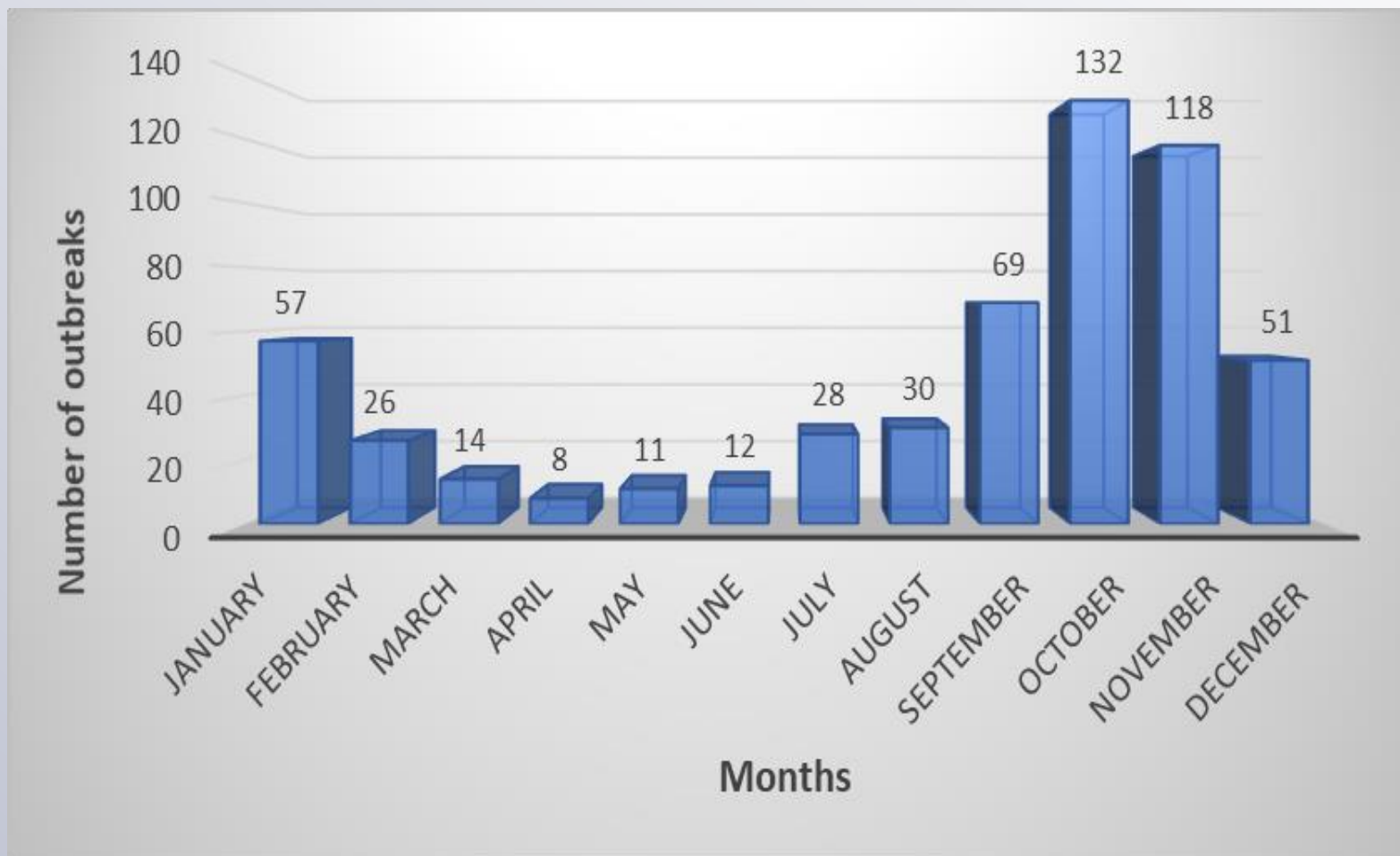


FMD outbreaks July 2021

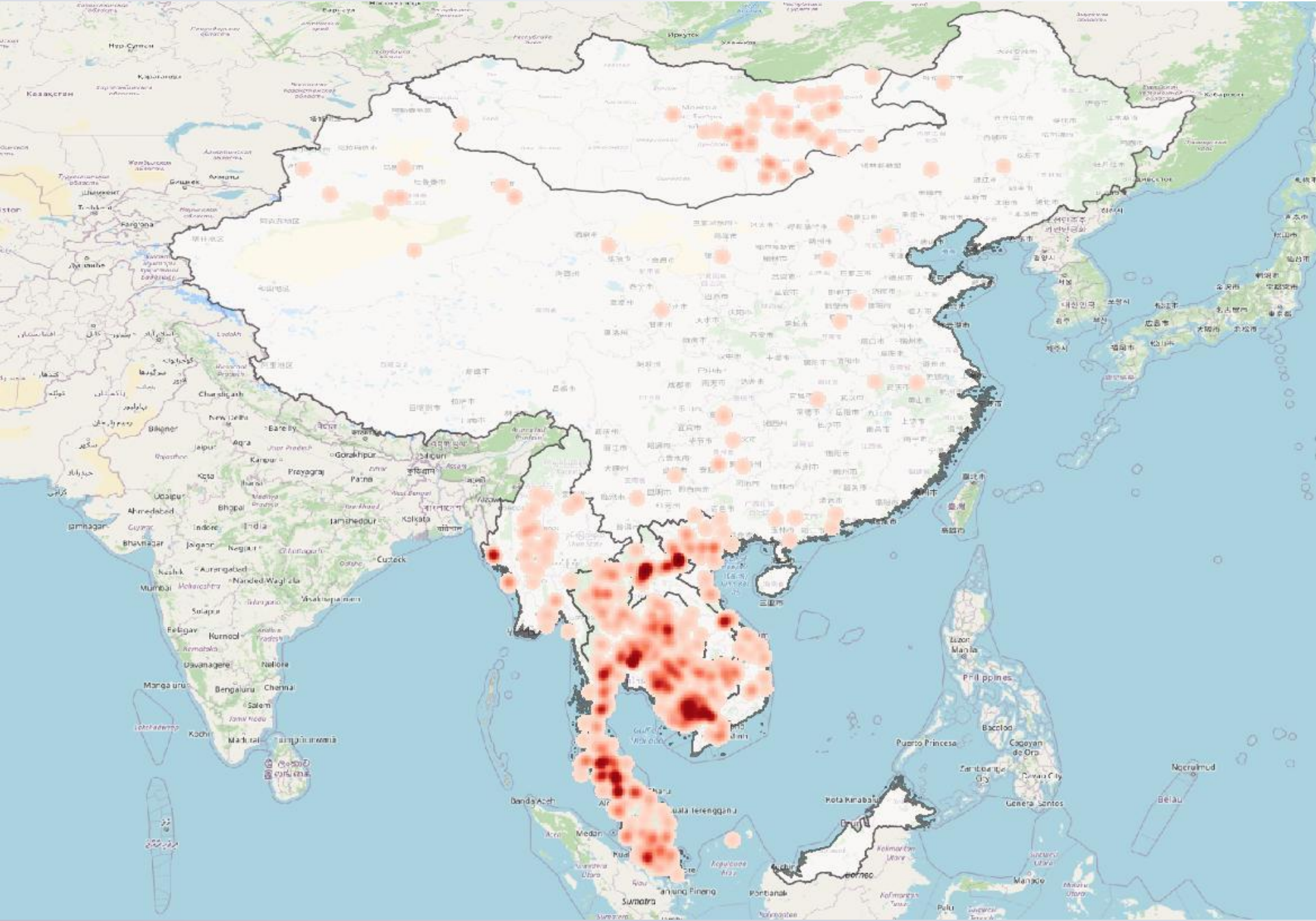


Country	2021
Cambodia	19
China	2
Laos	
Malaysia	3
Mongolia	5
Myanmar	4
Thailand	4
Vietnam	2
Total	39

Seasonal distribution in 2020



Heatmap FMD outbreaks 2018-July 2021



Genotyping of FMDVs

2020

Country	Serotype O	Topotype...				Serotype A	Topotype	Serotype Asia1
		SEA/ Mya-98	ME-SA/ PanAsia	ME-SA/ Ind-2001	Cathay			
Cambodia	+	+	+	+				
China	+	+		+	+			
Lao PDR	+			+				
Myanmar	+							
Malaysia	+		+	+				
Mongolia								
Thailand	+			+				
Viet Nam	+	+	+	+				

Observed findings

- Serotype A outbreaks were reported in 2019- Cambodia, Myanmar, Malaysia, Thailand, but not reported the following year 2020
- Serotype A was reported in Myanmar, 2021
- The reported FMD outbreaks not declined significantly in 2020 but significant changes were observed in 2021 –COVID 19 pandemic
- Seasonal distribution – In 2020, nearly 50 % of outbreaks were reported in October and November
- Cleaned data may differ from previous reports or country specific data because of excluded missing values in this analysis

Conclusion

- More outbreaks were reported in 2020 compared in 2019 (387 reported in 2019 and 556 in 2020)
- More than 60 % of the outbreaks unknown
 - not typed, not sampled or the result is pending
 - more than 50 % is not sampled
- Serotype O is still dominant- genotype Ind-2001
- O/ME-SA/Ind-2001 reported in Cambodia for the first time

THANKS FOR YOUR ATTENTION