



GF-TADs Foot and Mouth Disease Risk Assessment Training Workshop

19 - 21 September 2023 Johannesburg, South Africa













FMD Situation in Africa



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What is FMD?









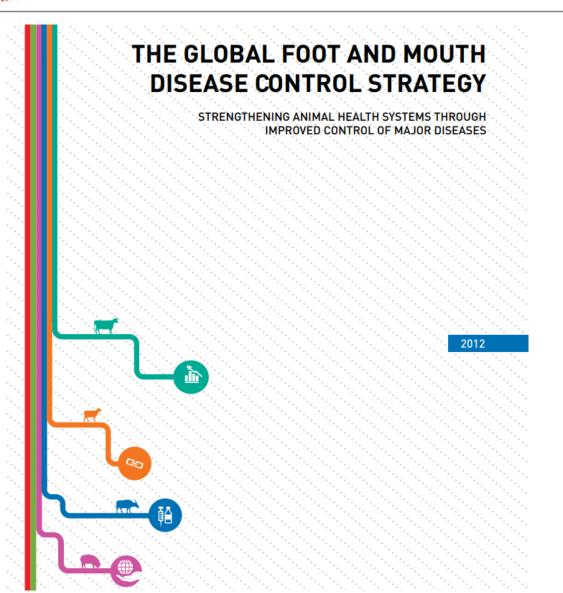
















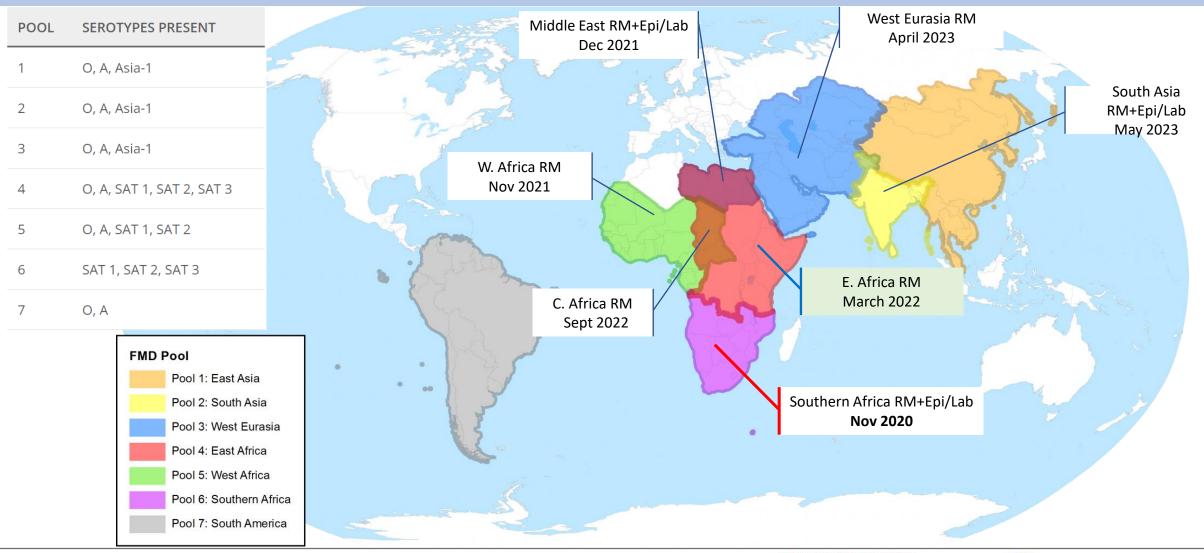








FMD Regions: Regional FMD Roadmap approaches aligned to FMD Virus Pools







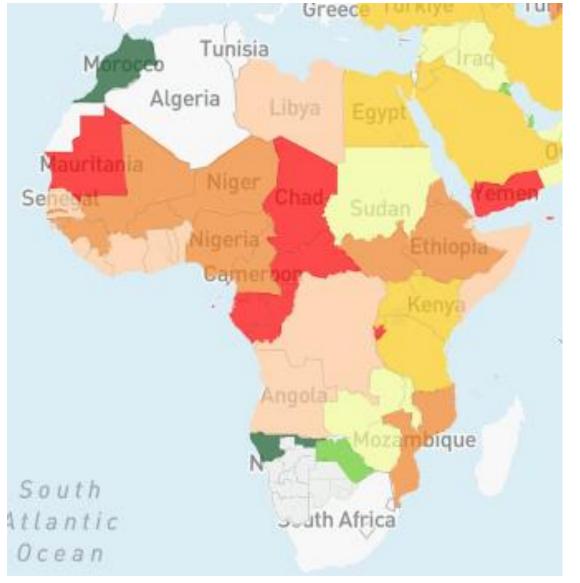


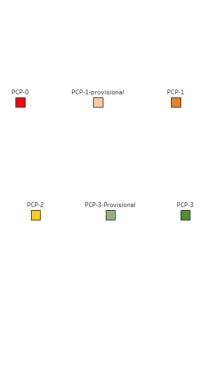


PCP-2-Provisional

PCP-4 or above





















East Africa

PCP-0 PCP-1-provisional PCP-1 PCP-2-Provisional PCP-2 PCP-2-Provisional PCP-2 PCP-3-Provisional PCP-3 PCP-4 or above

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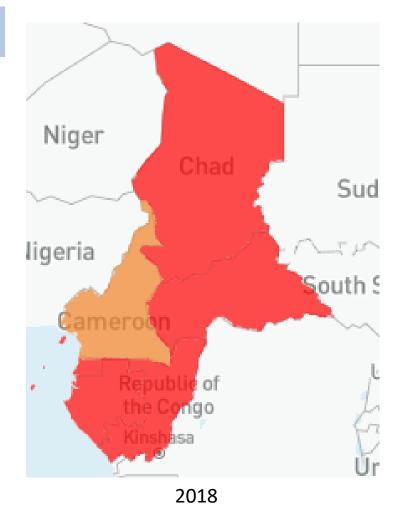


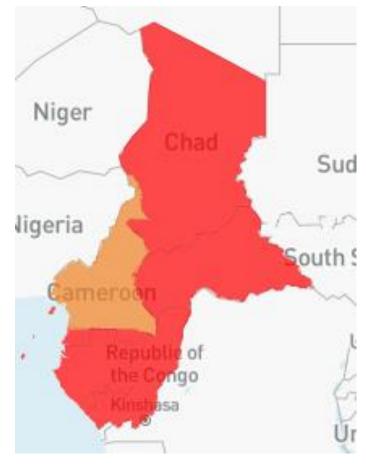






Central Africa





2023

PCP-4 or above

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PCP-1-provisional



West Africa





2016 2023

PCP-0 PCP-1-provisional PCP-1 PCP-2-Provisional PCP-2 PCP-3-Provisional PCP-3 PCP-4 or above

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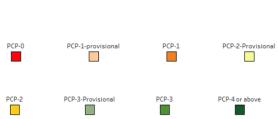








Southern Africa







2012

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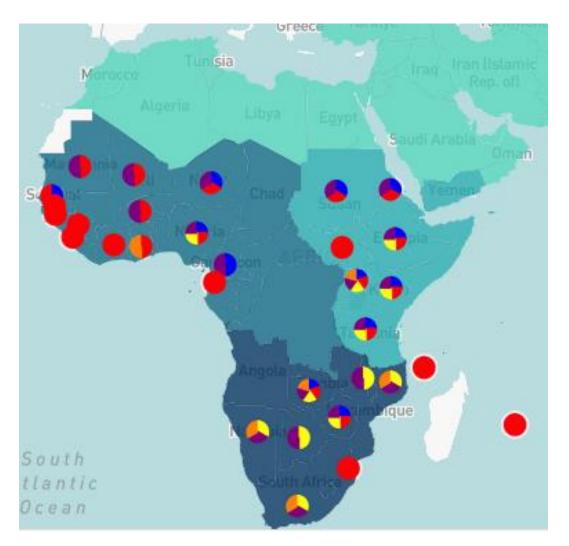


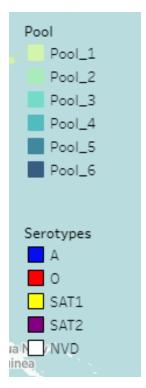




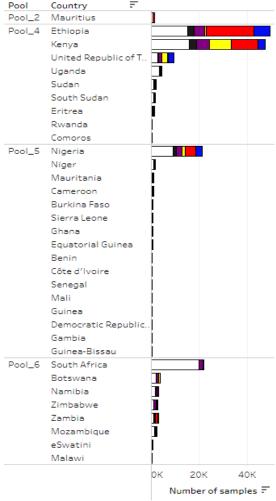








WOAH/FAO Laboratory Network Results



2012 - 2022

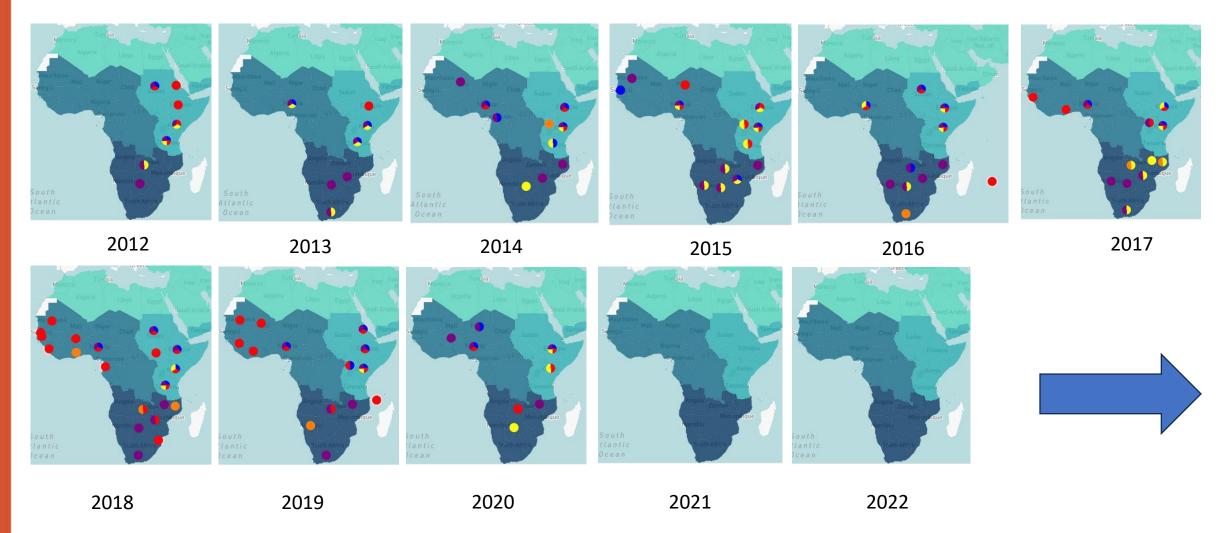
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Conclusion

Some progress have been made regarding progression on FMD PCP, but not unified.
Movement of FMDV serotype to new territories
Strains within the O/EA-2 topotype have drawn attention
In recent years 10 SADC Member States reported FMD
Distribution of lineages evolving with new patterns and antigenic variants impacts the selection of vaccine strains
Spread from Pool 4 (supported by genomic data, from mainland East Africa) to cause outbreaks in central/southern Zambia and Namibia (Serotype O not detected since 2000, naïve livestock), more recently detected in Malawi, Mozambique







Conclusion

FMDVs within four FMDV serotypes (O, A, SAT 1 and SAT2) circulate within two overlapping ecosystems in the region (northern and Southern)
 Northern: O/EA-3, A/AFRICA/G-IV and SAT 2/VII
 Two additional serotypes (O and A) have been reported in Angola and northern Zambia in 2019, considered as spill-overs from Pool 4.
 Distribution of lineages evolving with new patterns and antigenic variants impacts the selection of vaccine strains









Thank you





