



World Organisation
for Animal Health



Progress of SEACFMD Campaign with focus on SEACFMD Roadmap 2021 – 2025

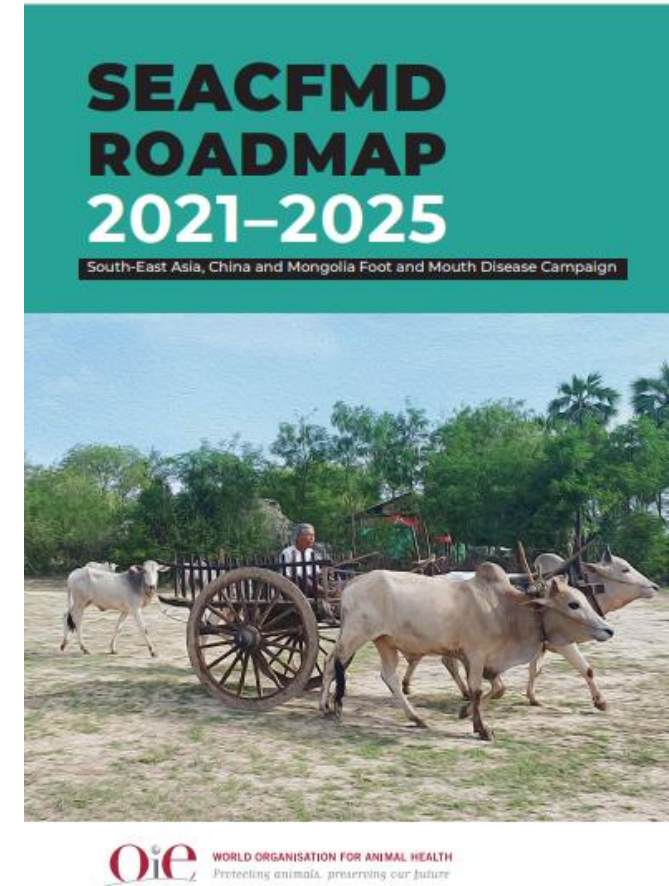
Karma Rinzin

Regional Animal Health Coordinator
WOAH SRRSEA

27th SEACFMD National Coordinators Meeting
20 – 22 August 2025, Luang Prabang, Lao PDR

Outline

- Background
 - SEACFMD Roadmap Theory of Change
- Progress of the campaign
 - Objective 1 – Reinvigorated FMD Prevention and Control in SEACFMD Member Countries
 - Outcome 1 – Improved surveillance, movement control, vaccination and preparedness
 - Outcome 2 – Improved ownership and enabling environment at national level
 - Outcome 3 – Improved regional coordination
 - Objective 2 – Evaluation of SEACFMD Campaign from 1997 to 2020 to address critical gaps
- Review of the SEACFMD Governance Meeting Recommendations



OUTPUT

- Fit-for-purpose and sustainable FMD surveillance system established
- Incentives and pathways of livestock movements understood and official
- Robust vaccination strategy developed, including access to quality vaccines and vaccination data management and analysis
- Preparedness and response capacity to both endemic and new FMD viral strains developed

- Country ownership of the SEACFMD enhanced
- National VS capacities assessed and recommendations from PVS Evaluations implemented
- National legislation related to FMD (and other related TADs) reviewed and revised
- Multidisciplinary and multisectoral efforts implemented for control of FMD (and other TADs)
- Cost-efficient synergies with other livestock activities implemented
- Pool of regional experts actively involved in SEACFMD activities

- ASEAN support reaffirmed, including allocation of appropriate resources
- Regional coordination platforms effectively functioning
- Active collaboration established and maintained with key partners
- Cooperation with non-SEACFMD member countries established

OUTCOME

1

Improved surveillance, movement control, vaccination and preparedness/response to FMD

2

Improved ownership and enabling environment at the national level

3

Improved regional coordination

GOAL

Strengthened Veterinary Services to effectively prevent, control and eradicate FMD and other TADs



Objective 1:

Reinvigorated FMD prevention and control in SEACFMD Member countries

Objective 2: Comprehensive evaluation of the SEACFMD Campaign from 1997–2020 to address critical gaps

SEACFMD Governance:

- Sub-Commission
- Steering Committee
- National Coordinators
- Epidemiology Network (EpiNet)
- Laboratory Network (LabNet)

National Stakeholders:

- Public sector
- Private sector
- Research institutions and academia
- Farmers and producers
- Consumers
- Local communities
- Local NGOs

Regional stakeholders:

- ASEAN
- OIE SRRSEA
- FAO-RAP

Other technical and advisory Groups:

- Private Sector Consultative Committee
- Regional FMD Expert Group
- Upper Mekong Region Working Group

Stakeholders

Outcome 1: Improved surveillance, movement control, vaccination and preparedness/ Response

Study to assess the status of implementation of FMD vaccination in SEACFMD Members

Assess Emergency Preparedness and Response Capacity – Malaysia and The Philippines

Conduct in depth FMD risk assessment in Johor and Langkawi, Malaysia

Study to identify status of Asia 1 in SEA and assess the detection probability of FMDV Asia 1 in SEACFMD region

Animal Price Monitoring Study – Regional & Country Level

Assess National Animal Health Information System

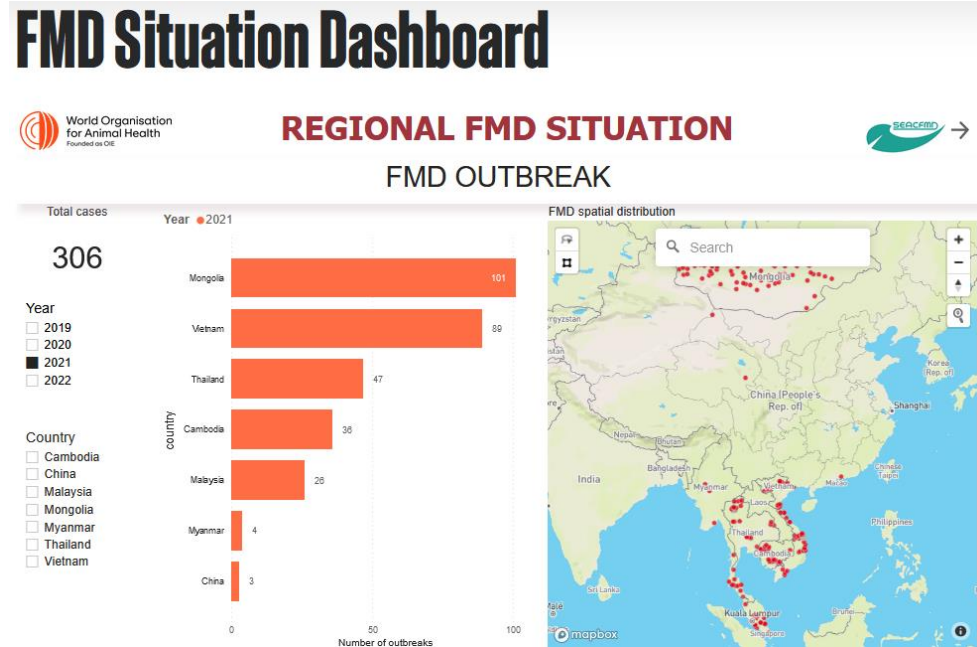
Regional Workshop on Safe Trade

Emergency Preparedness Workshop

Mapping risk pathways with FMDV lineages

Outcome 1: Improved surveillance, movement control, vaccination and preparedness/ Response

SEACFMD Portal and FMD Situation Dashboard



Publications in peer-reviewed International Journals

Preventive Veterinary Medicine 244 (2025) 106663



Contents lists available at ScienceDirect

Preventive Veterinary Medicine

journal homepage: www.elsevier.com/locate/prevetmed

Probability of freedom from foot-and-mouth disease virus serotype Asia 1 in Southeast Asia, China and Mongolia

Masako Wada^{a,*}, Jun Hee Han^a, Bolortuya Purevsuren^b, Karma Rinzin^b, Ashish Sutar^b, Ronello Abila^b, Supatsak Subharat^a

^a EpiCentre, School of Veterinary Science, Massey University, Palmerston North, New Zealand

^b Sub-Regional Representation for South East Asia, World Organisation for Animal Health, Bangkok, Thailand

Routine activities – Publication of Annual SEACFMD Bulletins, Regular updates on SEACFMD dashboard, application of WOAH standards etc.

Outcome 1: Improved surveillance, movement control, vaccination and preparedness/ Response – Publications in International Journals

Transboundary and
Emerging Diseases



ORIGINAL ARTICLE

Livestock movement patterns in the main livestock production provinces of Lao PDR

S. Subharat✉, M. Wada, A. Sutar, R. Abila, S. Khounsouy, C. Heuer

First published: 25 August 2021 | <https://doi.org/10.1111/tbed.14303>

 **frontiers**
in Veterinary Science

BRIEF RESEARCH REPORT
published: 23 July 2021
doi: 10.3389/fvets.2021.691308



Detection of Foot-and-Mouth Disease Virus in the Absence of Clinical Disease in Cattle and Buffalo in South East Asia

Kelly Buckle^{1*}, Rudolfo Bueno¹, Andrew McFadden¹, Mary van Andel², Richard Spence¹, Carolyn Hamill¹, Wendi Roe³, Emilie Vallee³, Fernanda Castillo-Alcala³, Ronel Abila⁴, Blesilda Verin⁴, Bolortuya Purevsuren⁴, Ashish Sutar⁴, Htun Htun Win⁵, Myo Thiha⁵, Khin Ohnmar Lwin⁵, Syseng Khounsouy⁶, Sengxay Phonthasay⁶, Vilideth Souriya⁶, Chattouphone Keokhamphet⁶, Jonathan Arzt⁷, Anna Ludi⁸ and Valérie Mioulet⁸

Transboundary and
Emerging Diseases



ORIGINAL ARTICLE

Impact of risk-based partial vaccination on clinical incidence and seroprevalence of foot and mouth disease in Lao PDR

Jun-Hee Han✉, Supatsak Subharat, Masako Wada, Daan Vink, Bernard J. Phiri, Ashish Sutar, Ronello Abila
... See all authors ▾

First published: 19 August 2021 | <https://doi.org/10.1111/tbed.14299>

Potential of an Animal Price Monitoring System to Support Prediction of Foot and Mouth Disease Outbreaks

Veerasak Punyapornwithaya¹, Supitchaya Srisawang¹, Chalita Jainonthee¹, Wengui Li², Ronello Abila³ & Bolortuya Purevsuren³

¹Research Center of Veterinary Biosciences and Veterinary Public Health, Faculty of Veterinary Medicine, Chiang Mai University, Chiang Mai 50100, Thailand, ²College of Veterinary Medicine, Yunnan Agricultural University, Kunming 650201, China, ³World Organisation for Animal Health (WOAH) Sub-Regional Representation for South East Asia, Bangkok 10400, Thailand

Epidemiology of Foot-and-Mouth Disease Outbreaks in the SEACFMD Region

Veerasak Punyapornwithaya¹, Supitchaya Srisawang¹, Chalita Jainonthee¹, Wengui Li², Ronello Abila³, Karma Rinzin³, Ashish Sutar³ & Bolortuya Purevsuren³

¹Research Center of Veterinary Biosciences and Veterinary Public Health, Faculty of Veterinary Medicine, Chiang Mai University, Chiang Mai 50100, Thailand, ²College of Veterinary Medicine, Yunnan Agricultural University, Kunming 650201, China, ³World Organisation for Animal Health (WOAH) Sub-Regional Representation for South East Asia, Bangkok 10400, Thailand



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Outcome 1: Improved surveillance, movement control, vaccination and preparedness/ Response – Capacity Building Programme



Training of Trainers (ToT) on outbreak investigation (31 May – 8 July 2021)

21 participants from 9 countries



Advanced GIS training

(27 July - 30 Aug 2021)

31 participants from 10 countries.



Epidemiology study design training

(11 Nov –10 Dec 2021)

34 participant from 11 countries.



Transborder value-chain analysis in South-East Asia and the Pacific

16 participants from 5 countries



Infectious disease modelling training
(21 Feb –31 March) – Ongoing
40 participants from 12 countries are
attending the course.

Outcome 2: Improved ownership and enabling environment at national level

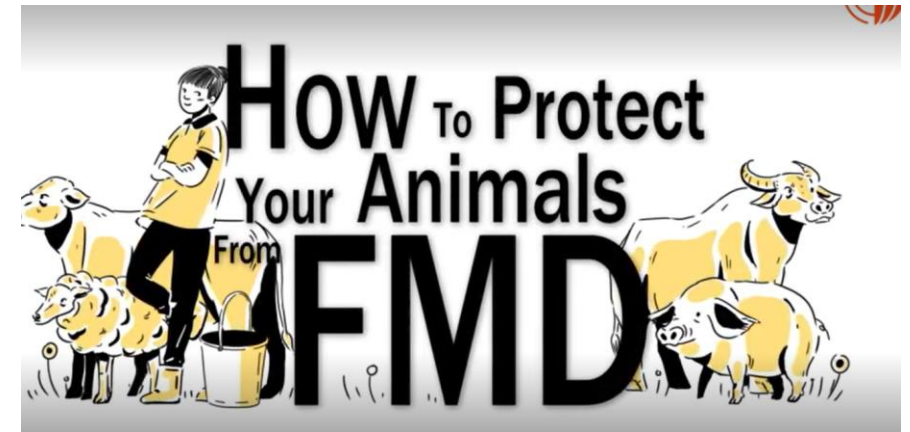
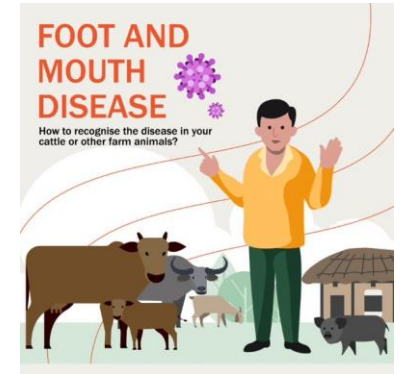
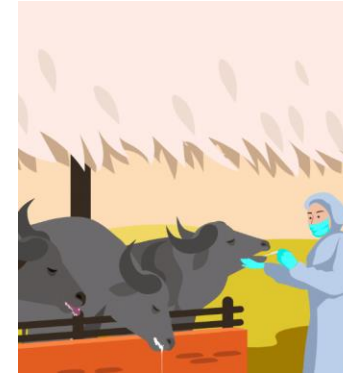
Support and implement PVS Evaluation Mission including PVS targeted support

Develop Policy brief on importance of using quality FMD vaccine and FMD control

Conducted review of animal health Legislations in South-East Asia

Supporting Cambodia to develop FMD Risk-based Strategic Plan (RBSP)

Members assessing their FMD control programme using FMD-PCP Self Assessment Tools



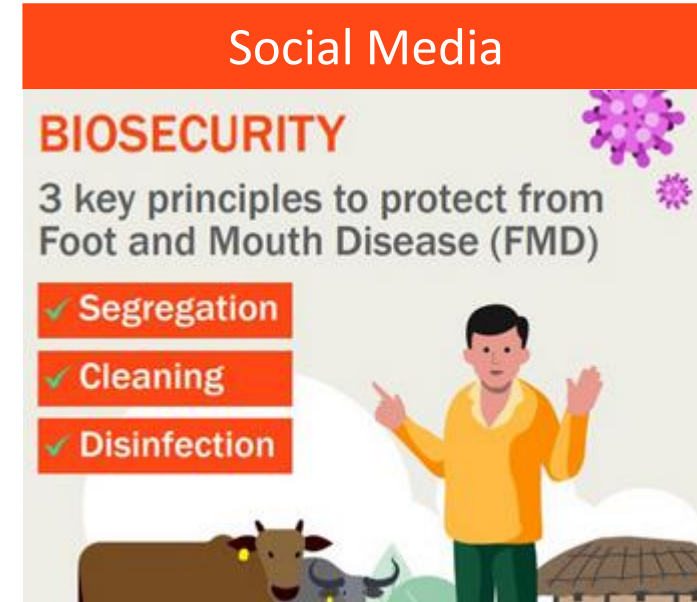
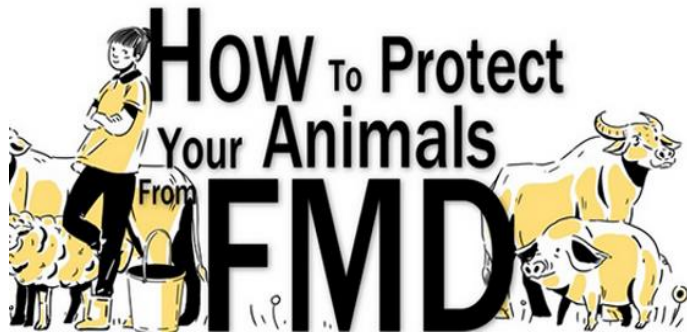
Translation of digitized materials into local languages

Develop digital FMD awareness and advocacy tools

<https://rr-asia.woah.org/en/news/new-awareness-communication-materials-on-foot-and-mouth-disease/>

Six Digital Materials – Infographics

- How to recognise the disease in your cattle or other farm animals
- Action plan to fight against foot and mouth disease outbreaks
- How to avoid buying sick animals
- Biosecurity guidelines for traders
- Sampling for foot and mouth disease diagnosis



Two Animated Videos

- Safer transport to protect animals from FMD
- How to protect your animals from FMD

Outcome 3: Improved Regional Coordination

Participate in Global Coordination Committee, Global FMD Working Group, WOAHP Regional Commission Meetings, Global GF-TADs Steering Committee Meeting

Liaised with FAO in the implementation of GF-TADs activities and implementation of Regional GF-TADs Strategy for Asia and Pacific (2023 – 2027)

Maintained partnership with Partners, Research Institutions and CC/ RLs.

Maintained cooperation with non SEACFMD Members by inviting them to SEACFMD Meetings

SEACFMD Governance Meetings



WHO WE ARE ▾ WHAT WE DO ▾

SEACFMD Sub-Commission Meeting

Upper Mekong Working Group Meeting

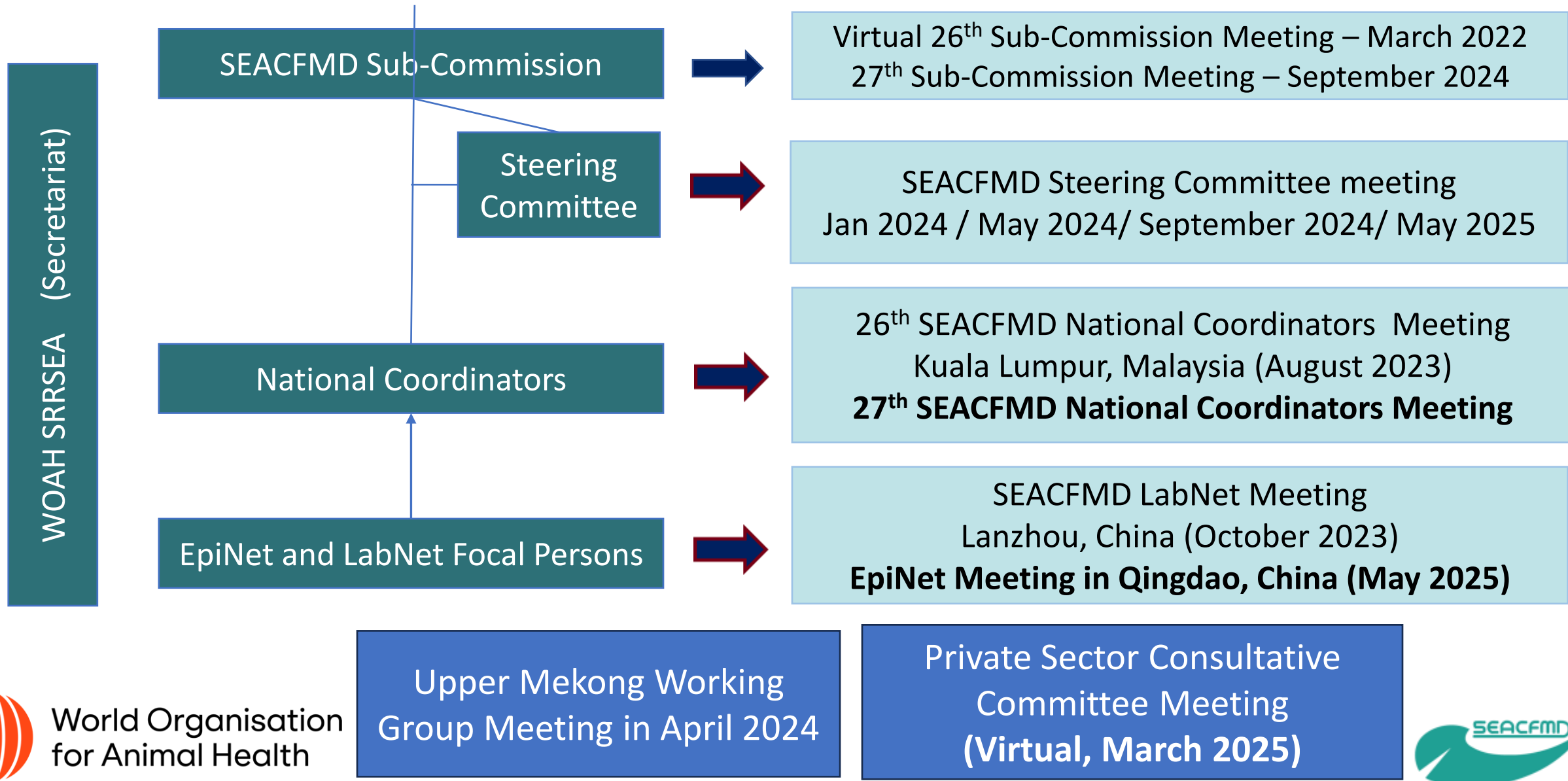
National Coordinators Meeting

Laboratory / Epidemiology Network Meeting

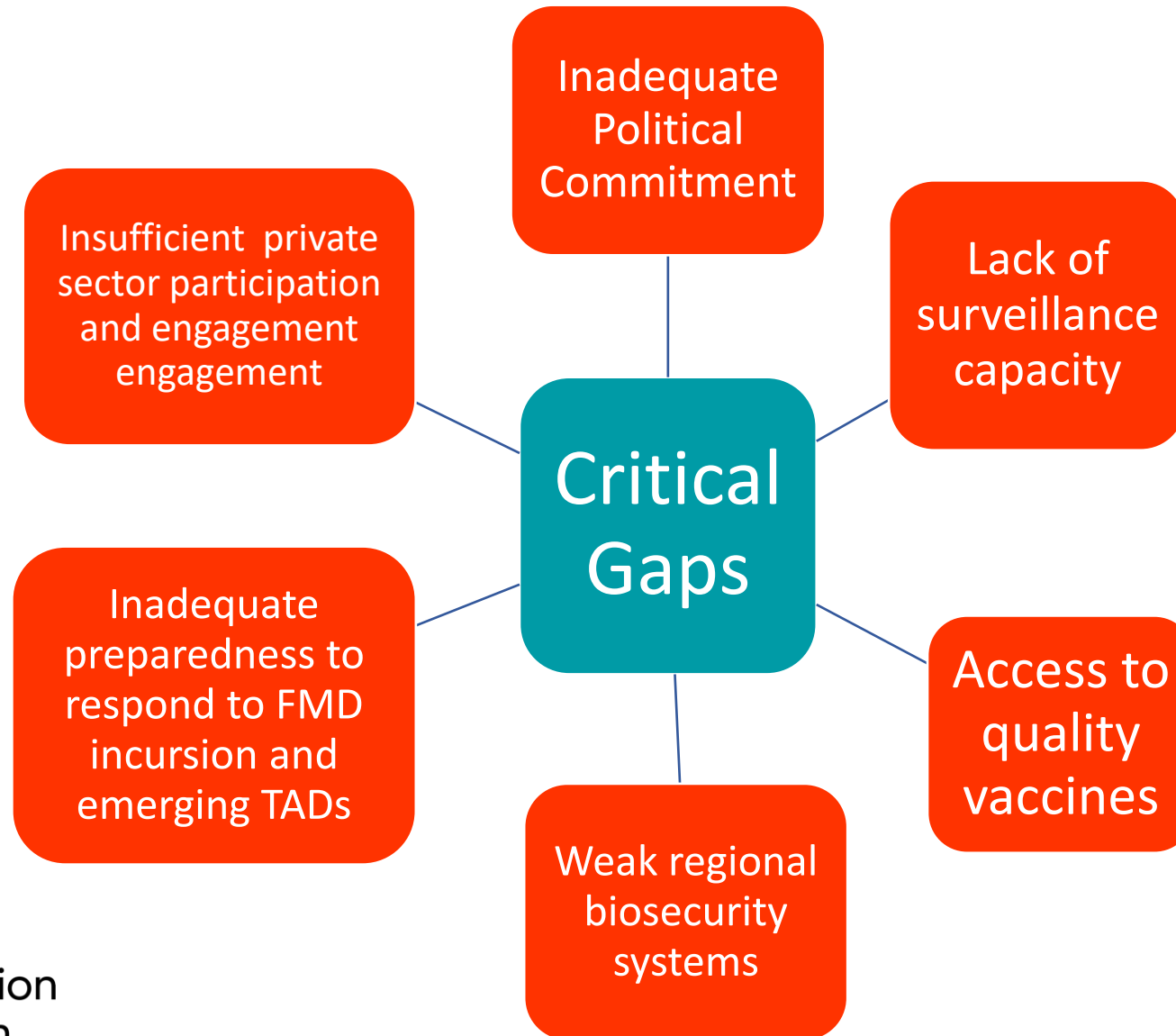
Regional Expert Group Meeting

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

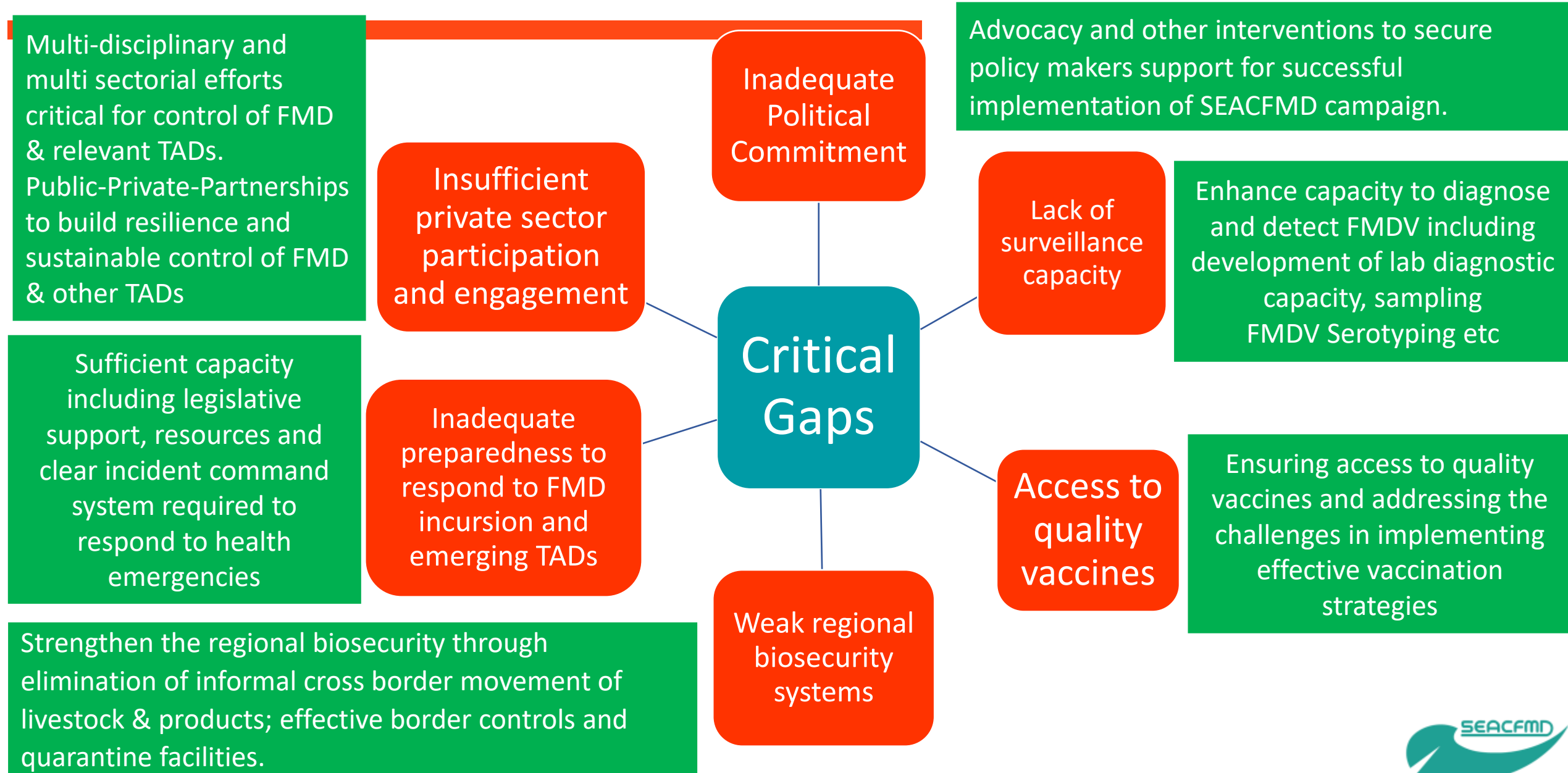
SEACFMD Governance Meetings



Objective 2: Evaluation of SEACFMD Campaign to address Critical Gaps



Critical Gaps and recommended solutions



Review of the recommendations of SEACFMD Governance Meetings

26th SEACFMD National Coordinators Meeting at Kuala Lumpur, Malaysia (Aug 2024)

- Map FMD risk pathways with FMDV lineages present in the region along the value chains;
 - On going
- Conduct a study of ruminant transportation routes in Southeast Asia and China, incorporating various strategies to enhance safe livestock trade;
 - TOR developed and circulated to the Members for feedback
- Collate regional information regarding FMD vaccine use in SEACFMD Members including submission of Annual vaccination reports by the Members with information on doses of vaccines produced/ procured, vaccination conducted; and vaccination maps describing (i) blanket (prophylactic) vaccination and (ii) targeted (suppressive) vaccination at different administrative levels;
 - FMD vaccination study and Annual FMD Vaccination Report

Review of the recommendations of SEACFMD Governance Meetings

26th SEACFMD National Coordinators Meeting at Kuala Lumpur, Malaysia (22 to 24 Aug 2024)

- Develop risk communication materials for FMD targeting traders and members to disseminate FMD communication materials (including newly developed and translated digital materials) to the targeted stakeholders to enhance awareness on FMD prevention and control;
 - Translation of digitized communication materials into local languages
- Conduct workshop on safe trade to exchange knowledge and understanding of the role of WOA international standards, the role of importing and exporting countries and SPS market access requirements;
 - Completed
- Support development of FMD Risk-based strategic plan for Cambodia
 - Ongoing

Review of the recommendations of SEACFMD Governance Meetings

27th SEACFMD Sub-Commission Meeting at Bangkok, Thailand in September 2024

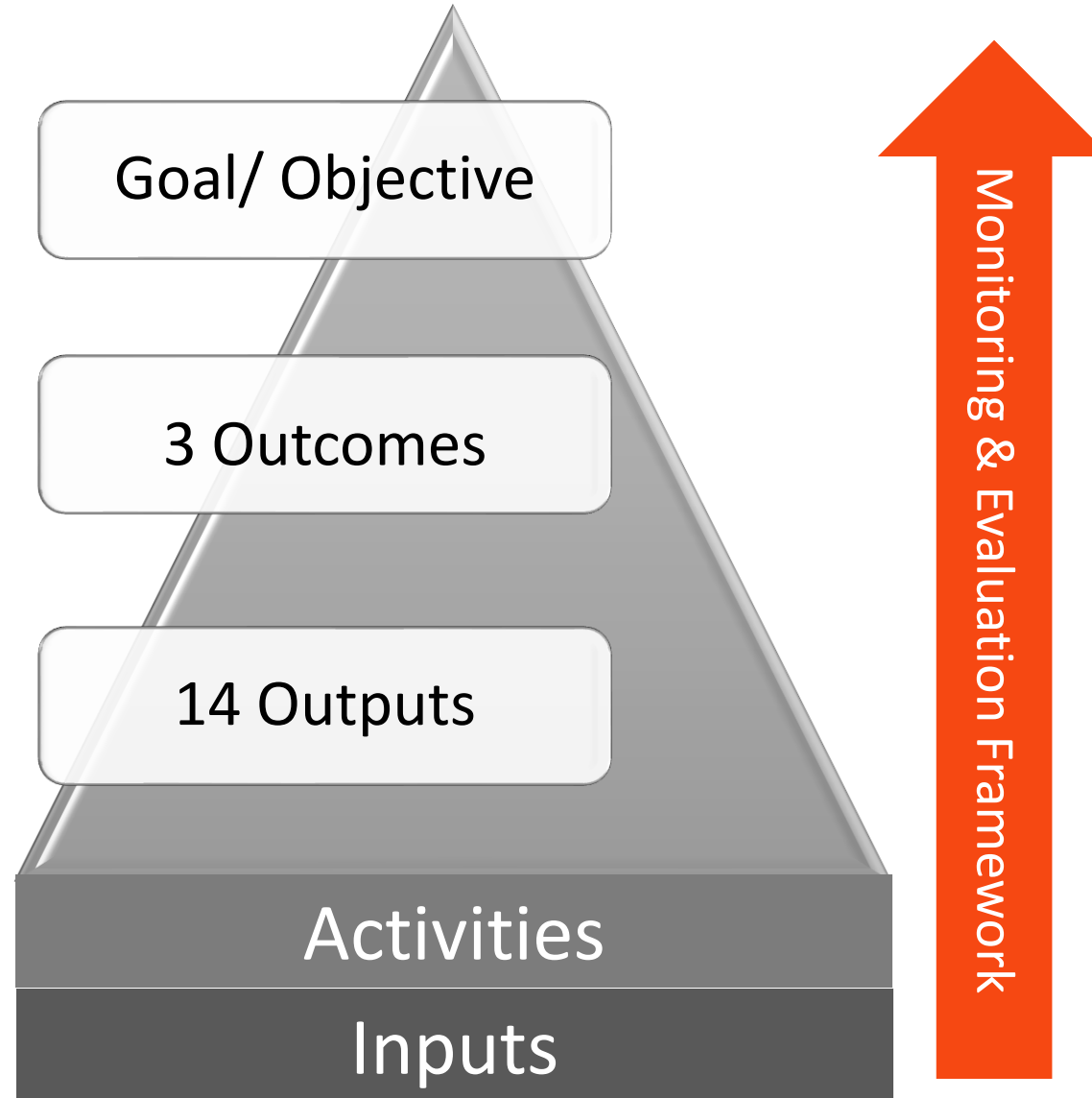
- NOTES the spread of FMD through animal movement, including the trans-regional spread of emerging FMD virus strains; and RECOMMENDS WOAHA SRRSEA to carry out animal movement study in the Greater Mekong region; which may be expanded to include other parts of the region. This will inform risk assessment, surveillance and regulatory activities;
 - TOR for the study developed and circulated to Members for feedback
- ENCOURAGES Members continue to closely liaise with other border control agencies such as Customs, Police, Trade etc who are involved in regulating the entry of animals and livestock products into the country;
- AGREED to revise the emergency preparedness plan and protocols based on risks and WOAHA standards; and to CONDUCT cross-border simulation exercise in the island of Borneo:
 - Regional Cross-border simulation exercise planned in Borneo Island

Review of the recommendations of SEACFMD Governance Meetings

27th SEACFMD Sub-Commission Meeting at Bangkok, Thailand in September 2024

- AGREED to strengthen existing networks such as Upper Mekong Working Group and initiate other sub-regional collaborations such as Brunei, Indonesia, Malaysia and the Philippines (BIMP) collaboration and REACTIVATE Malaysia, Thailand and Myanmar (MTM) collaboration initiative
 - TOR for MTM initiative developed and cluster approach proposed in new Roadmap
- AGREED to update the SEACFMD Communication Strategy to make it fit for purpose for the Members; in addition, WOA to SUPPORT Members to develop National Communication Plan/Strategy for FMD and other TADs control;
 - Revision of SEACFMD Com Strategy initiated; and WOA will support Members in coming up with National Com Strategy/ Plan

Roadmap Progress based on M&E Indicators





Thank You