



World Organisation
for Animal Health



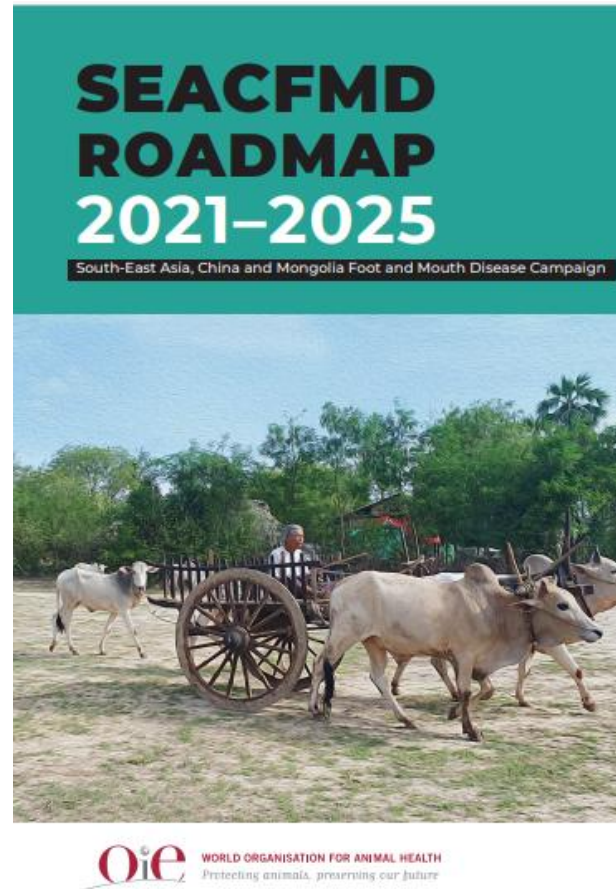
Progress of SEACFMD Campaign and Review of SEACFMD Governance Meeting recommendations

Karma Rinzin
Regional Animal health Coordinator
WOAH SRRSEA

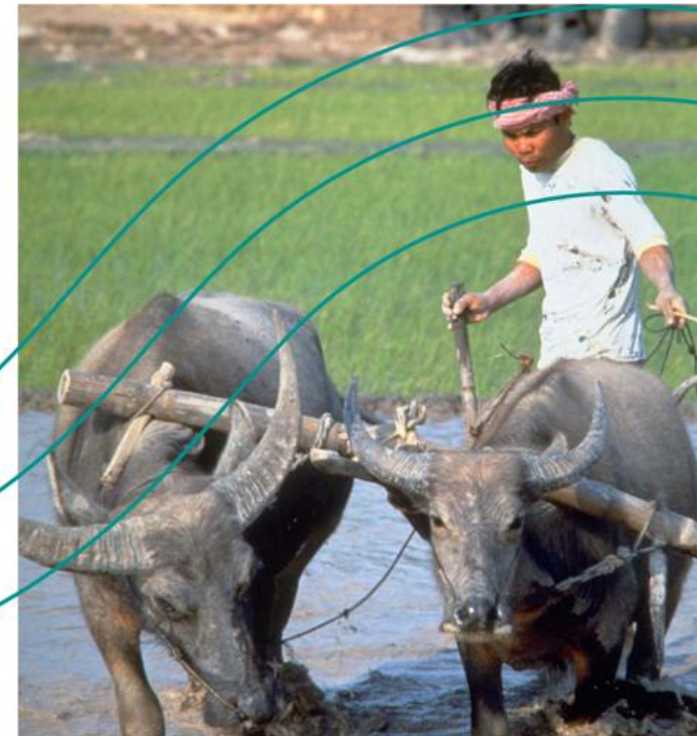
**28th Meeting of WOAHS Sub-Commission for Foot and mouth disease in South-East Asia, China and Mongolia
Ulaanbaatar, Mongolia (28 – 30 July 2026)**

Outline

- Highlights of key achievements
- Progress of the SEACFMD Campaign
 - Roadmap 2021 – 2025
- Roll out of SEACFMD Roadmap 2026 – 2030
- Key Challenges and Positive trends



SEACFMD Roadmap 2026 – 2030



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

Stakeholders

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

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

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

Assess National Animal Health Information System

Assess Emergency Preparedness and Response Capacity – Malaysia and The Philippines

Regional Workshop on Safe Trade

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

Emergency Preparedness Workshop

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

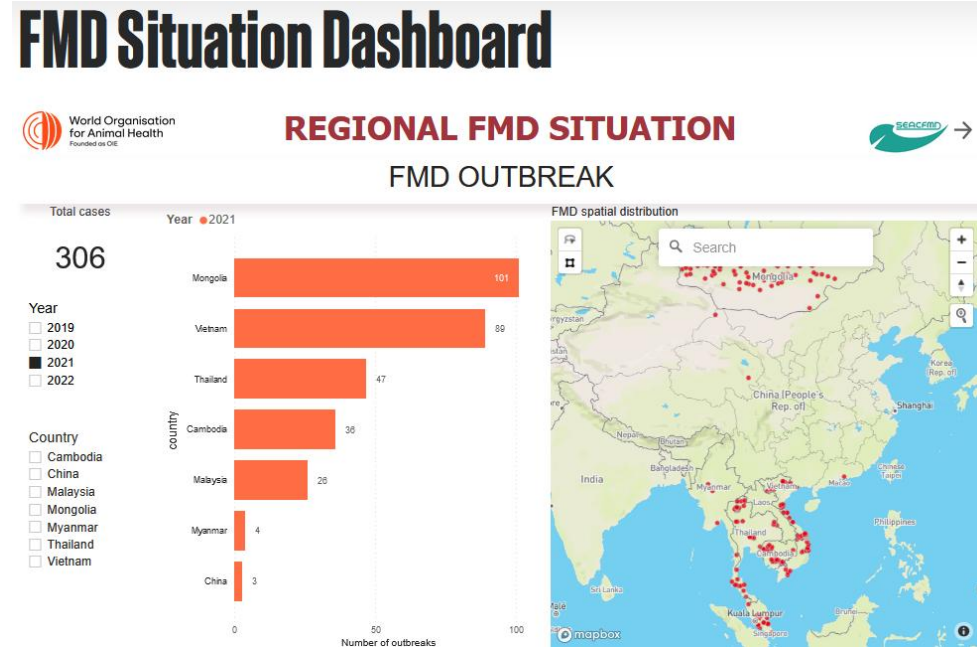
Capacity building – Trainings

Animal Movement Study in South-East Asia

Animal Price Monitoring Study – Regional & Country Level

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

SEACFMD Portal and FMD Situation Dashboard



Publications in peer-reviewed International Journals – 7 papers

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 WOA 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

Outcome 2: Improved ownership and enabling environment at national level

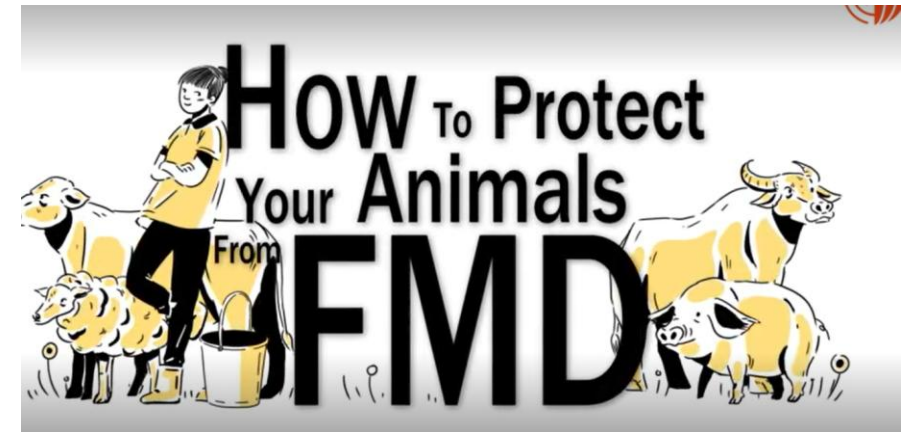
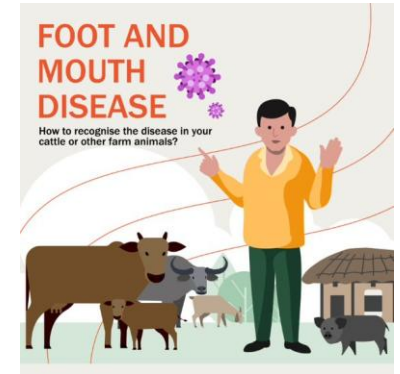
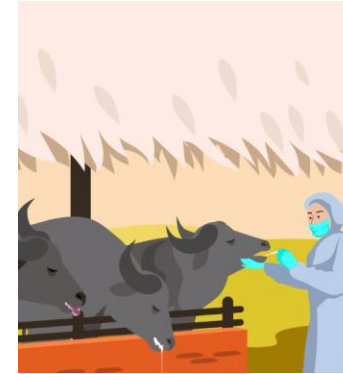
Support and implement PVS Evaluation Mission including PVS targeted support

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

Conducted review of animal health Legislations in South-East Asia

Supporting development FMD Risk-based Strategic Plan (Laos, Myanmar and Cambodia)

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



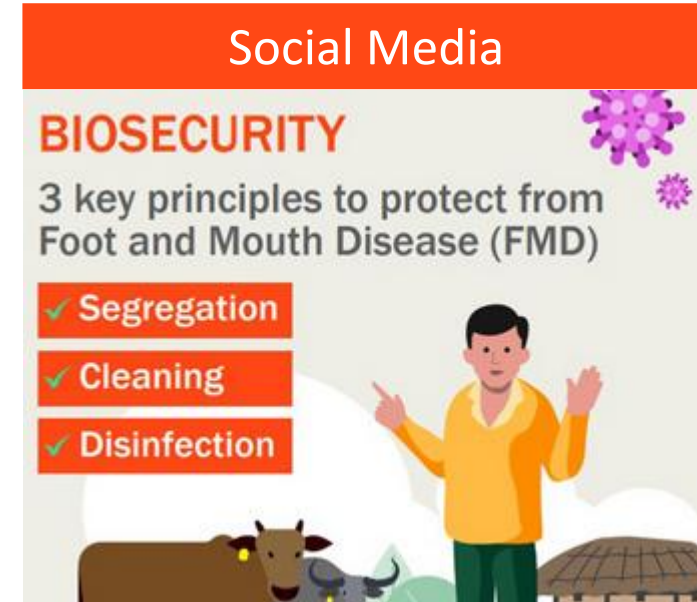
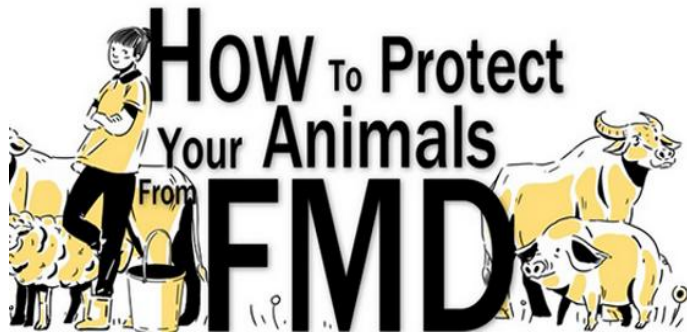
Translation of digitized materials into local languages

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

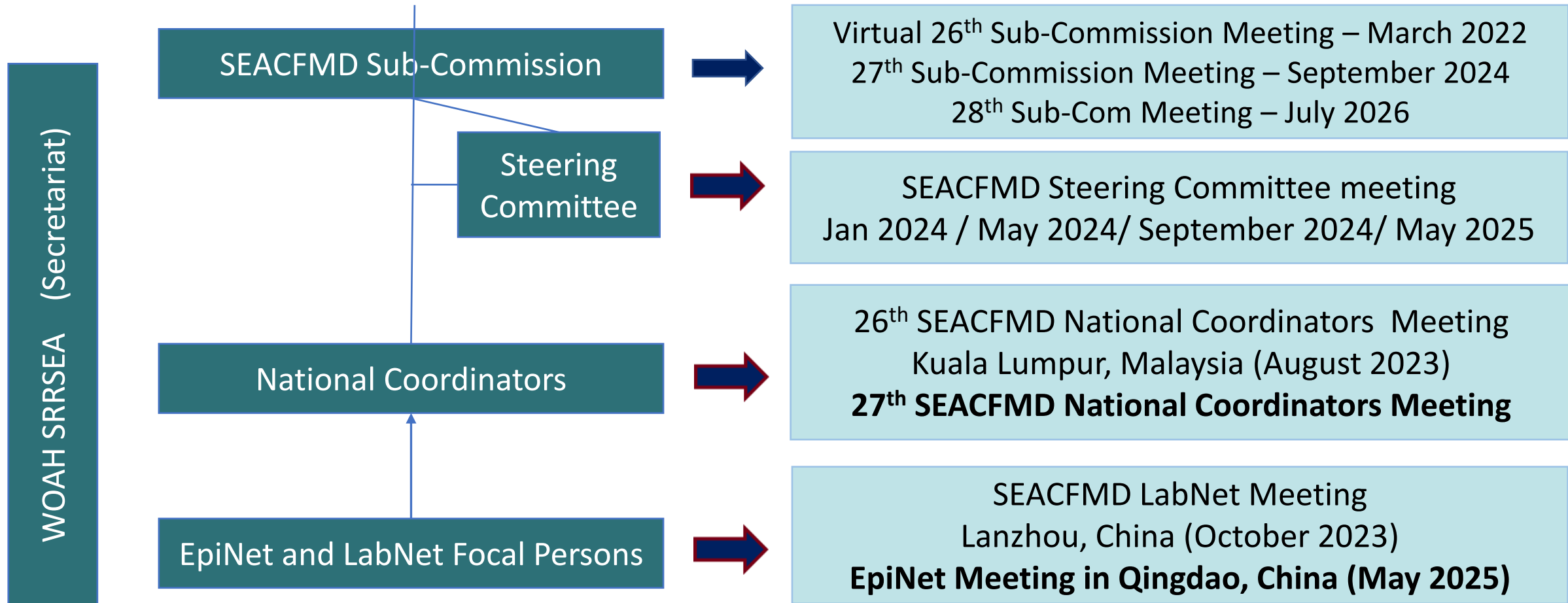
National Coordinators Meeting

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



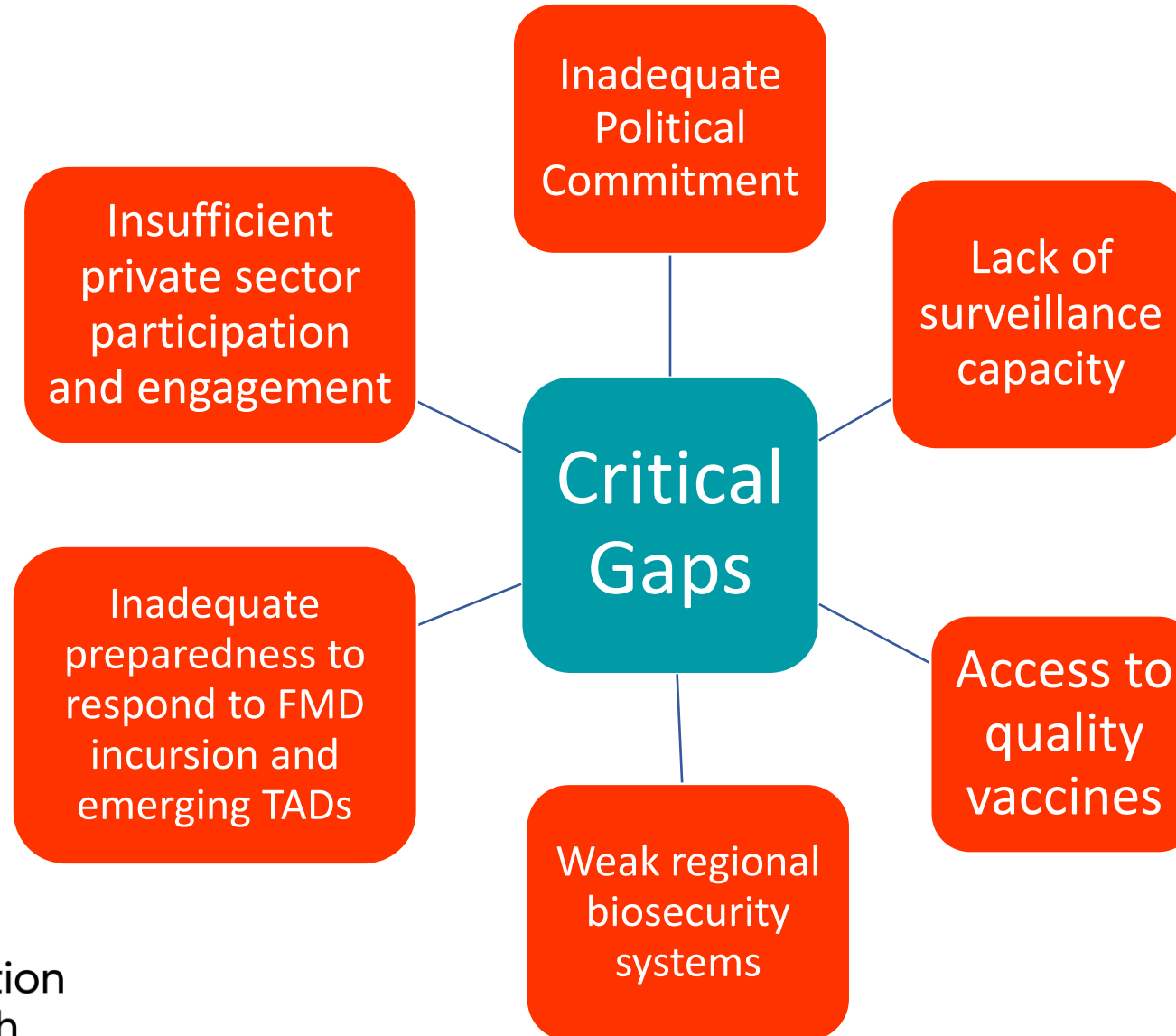
World Organisation
for Animal Health

15th Upper Mekong Working
Group Meeting in April 2024

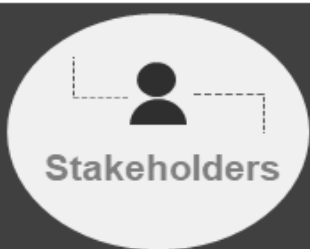
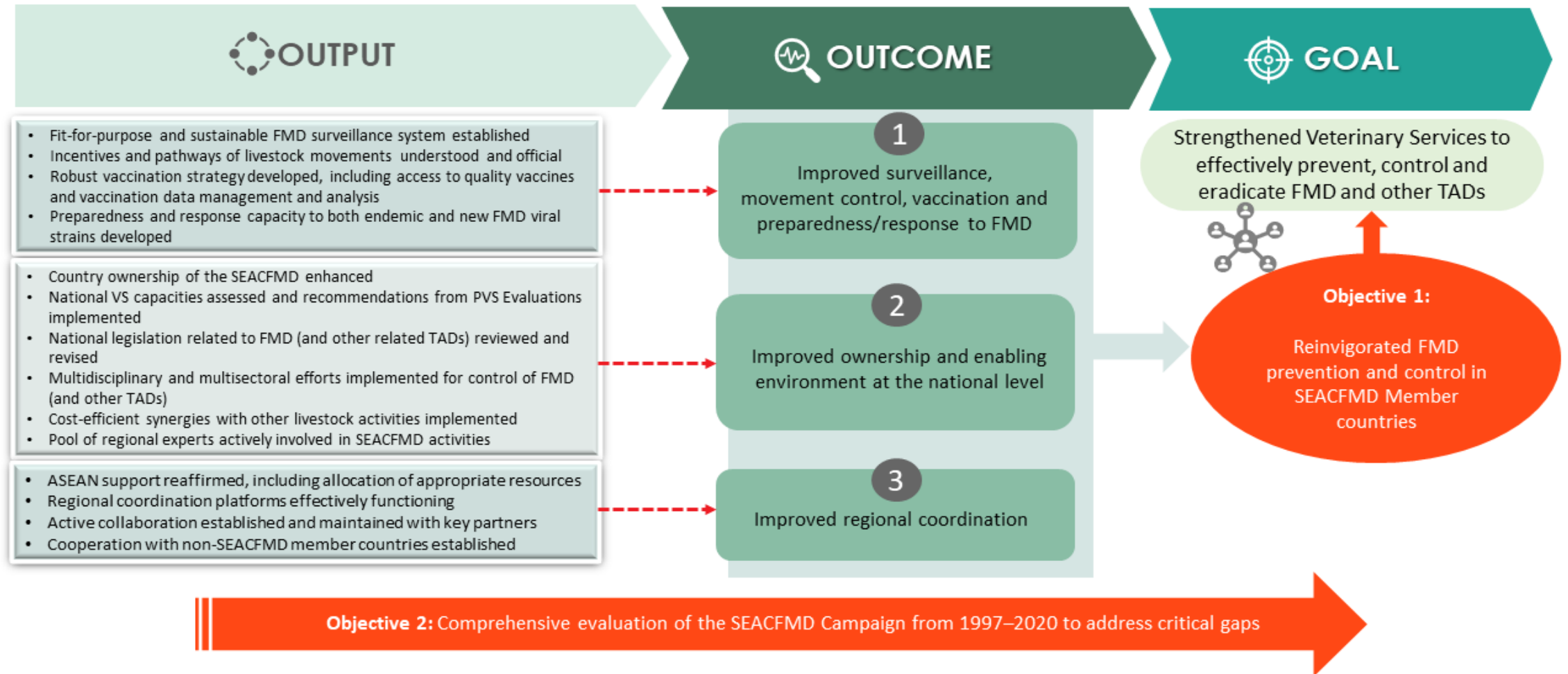
Private Sector Consultative
Committee Meeting
(Virtual, March 2025)



Evaluation of SEACFMD Campaign from 1997 to 2020



Theory of change – SEACFMD Roadmap 2021 - 2025



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:

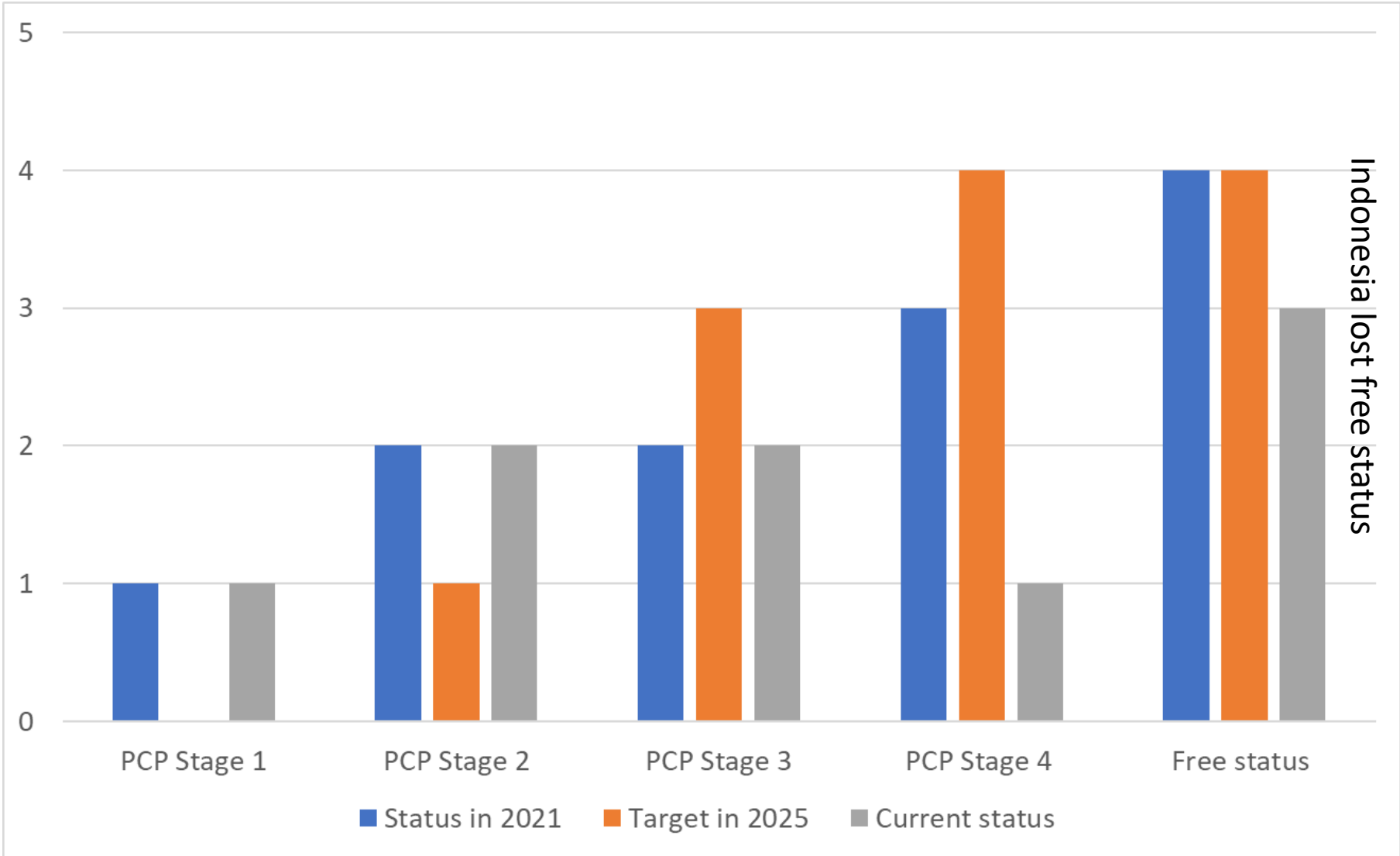
- Private Sector Consultative Committee
- Regional FMD Expert Group
- Upper Mekong Region Working Group



Objective 1: Reinvigorated FMD prevention and control in SEACFMD member countries.

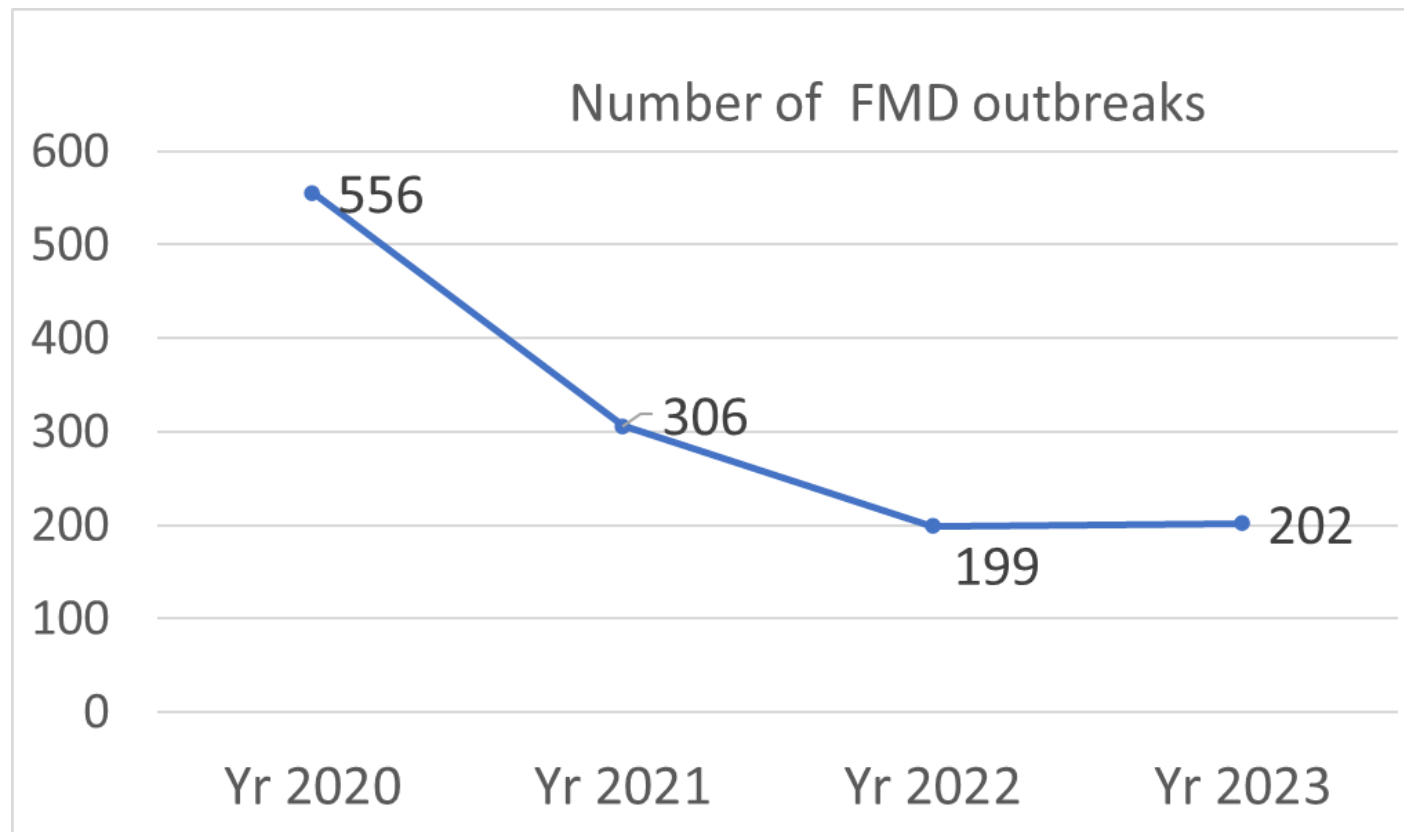
Indicator 1: PCP-FMD stage, progress within a stage or FMD-free status, of each SEACFMD member country, annually.

- Political commitment?
- Resources?
- Challenges
 - Technical
 - Non technical



Outcome 1: Improved surveillance, movement control, vaccination and preparedness/response to FMD

Indicator 2: Prevalence of FMD at national, zone, and regional levels, annually/
Number of FMD outbreaks reported by the Members



- Does this represent true picture of FMD in the region?
- What is the sensitivity of passive surveillance?

248 Outbreaks in
2024



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Source: SEACFMD Bulletins



Output 1.1: Fit-for-purpose and sustainable FMD surveillance system established

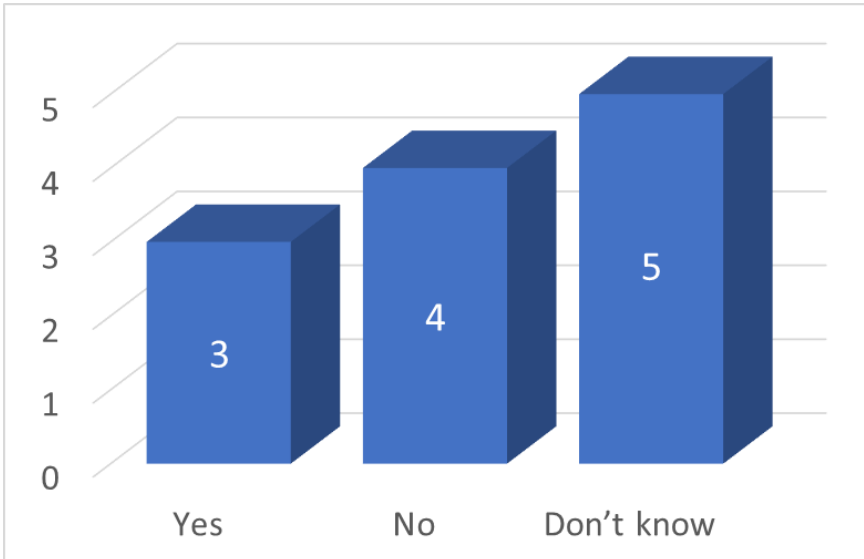
Indicator 3: Percentage of reported outbreaks with full investigation including virus characterization, annually.

Year	Number of FMD outbreaks reported	Number of FMD outbreaks with full investigation	Proportion (%) of reported outbreaks with full investigation, including virus characterization
2020	556	188	33.8
2021	306	155	50.7
2022	199	134	67.3
2023	202	19	9.4
2024	248	57	23

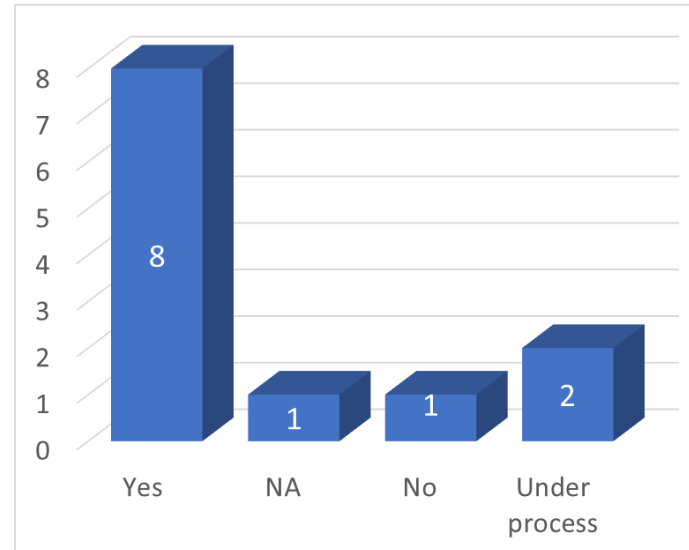
Output 1.2 Incentives and pathways of livestock movements understood, and official animal movements promoted

Indicator 4: Number of agreement signed between the countries to facilitate livestock trade and legal movement of livestock

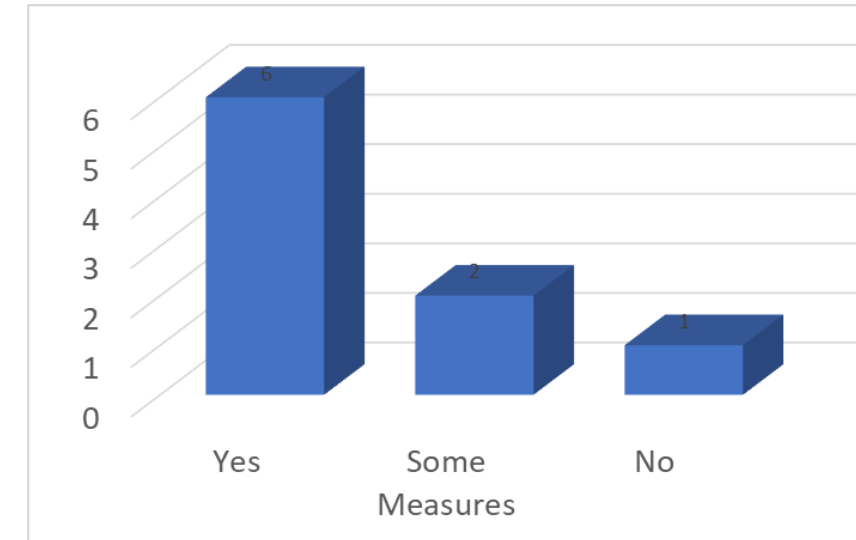
Baseline in 2021



Status in 2023



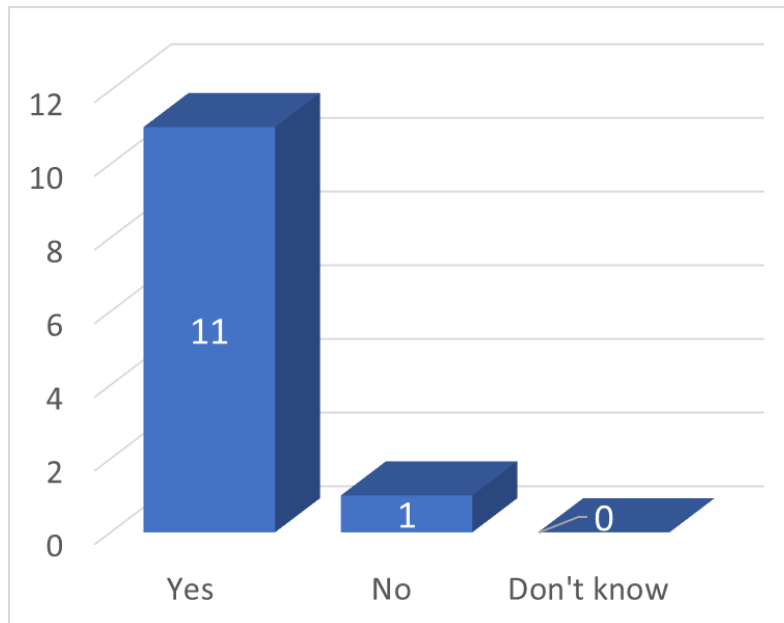
Status in 2025



Output 1.4 Preparedness and response capacity to both endemic and new FMD viral strains developed.

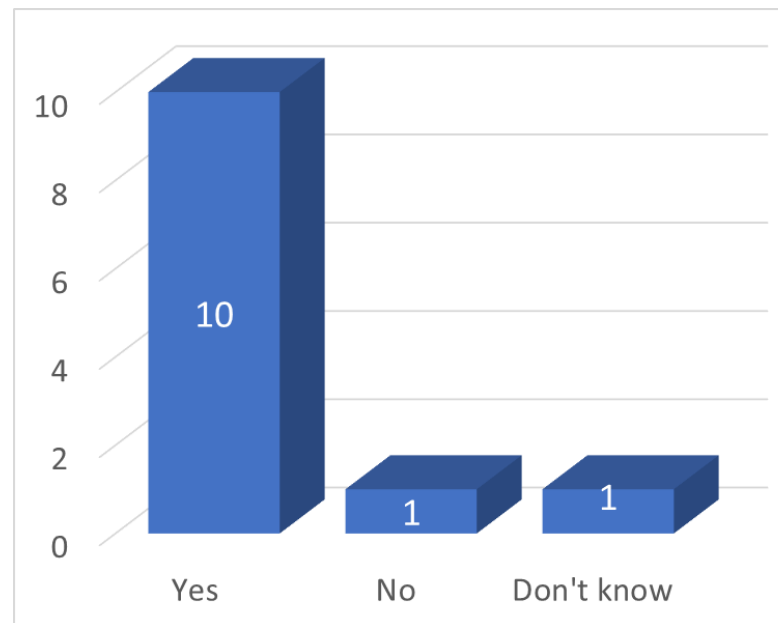
Indicator 6: Members have functional preparedness and response capacity to endemic and new FMD viral strains.

Baseline in 2021



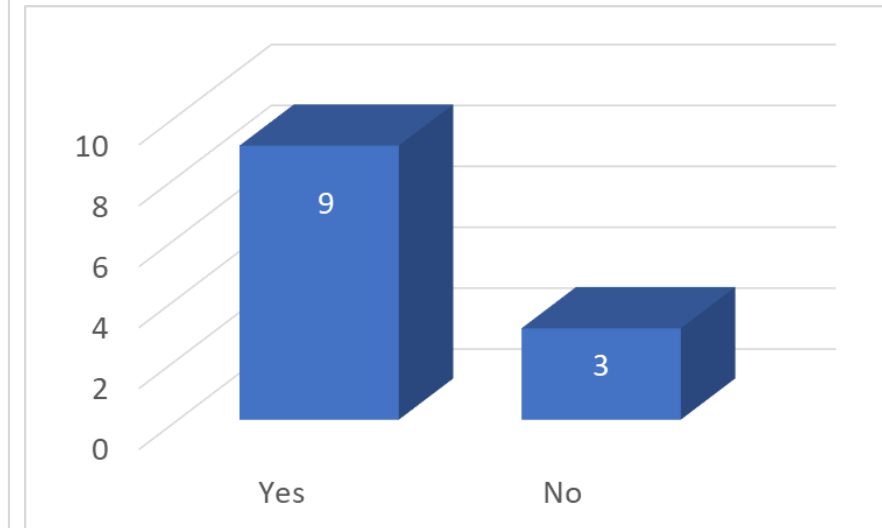
Two countries tested plan through simulation exercise

Status in 2023



Two countries tested plan through simulation exercise

Status in 2025

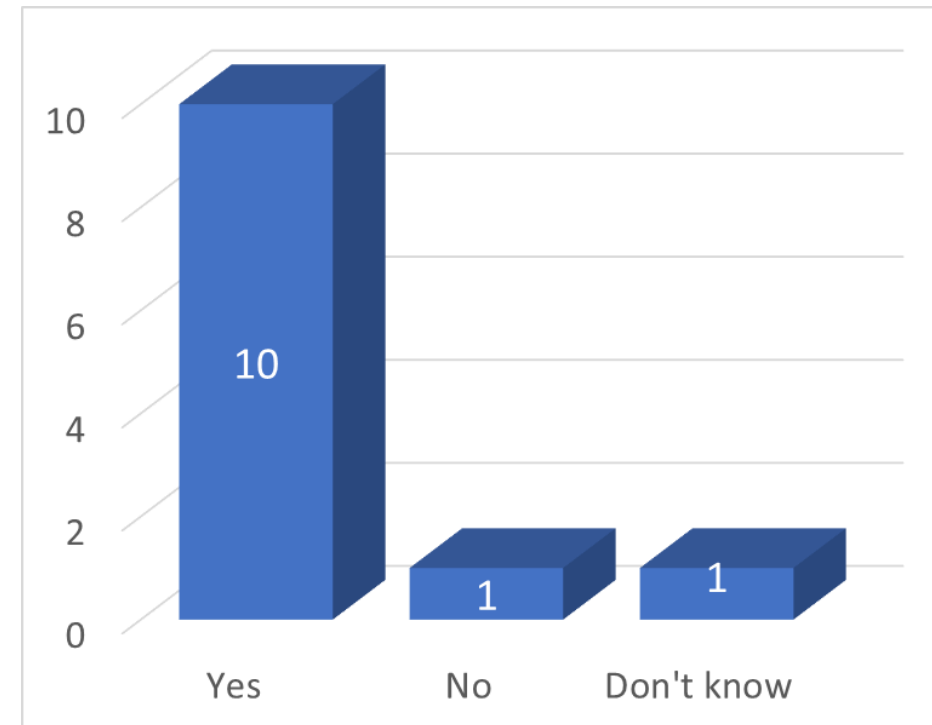


Three countries tested plan through simulation exercise

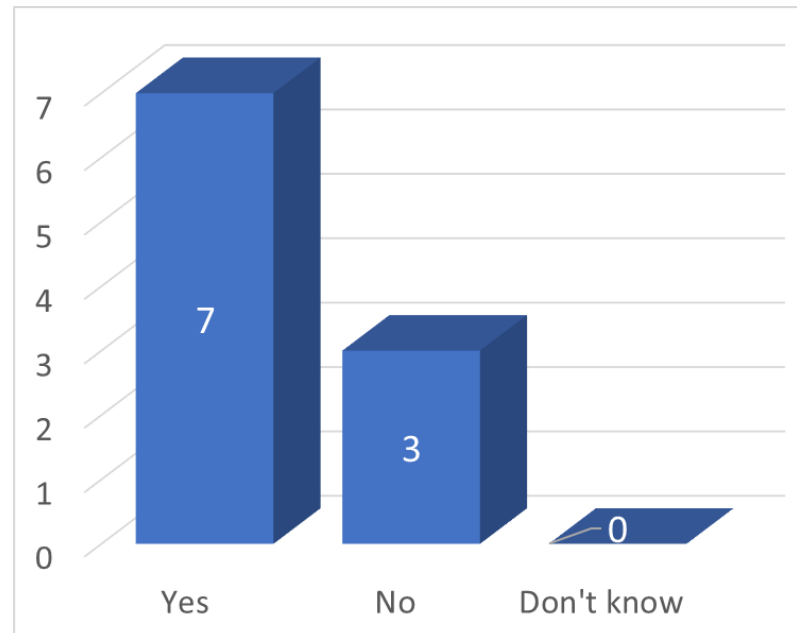
Outcome 2: Improved ownership and enabling environment at national level

Indicator 7: National FMD Plan aligned with the SEACFMD Road Map (2021-2025) that has been endorsed by their Ministries with a budget allocation.

Baseline in 2021



If yes, is your country plan endorsed by your Ministry with budget allocation?



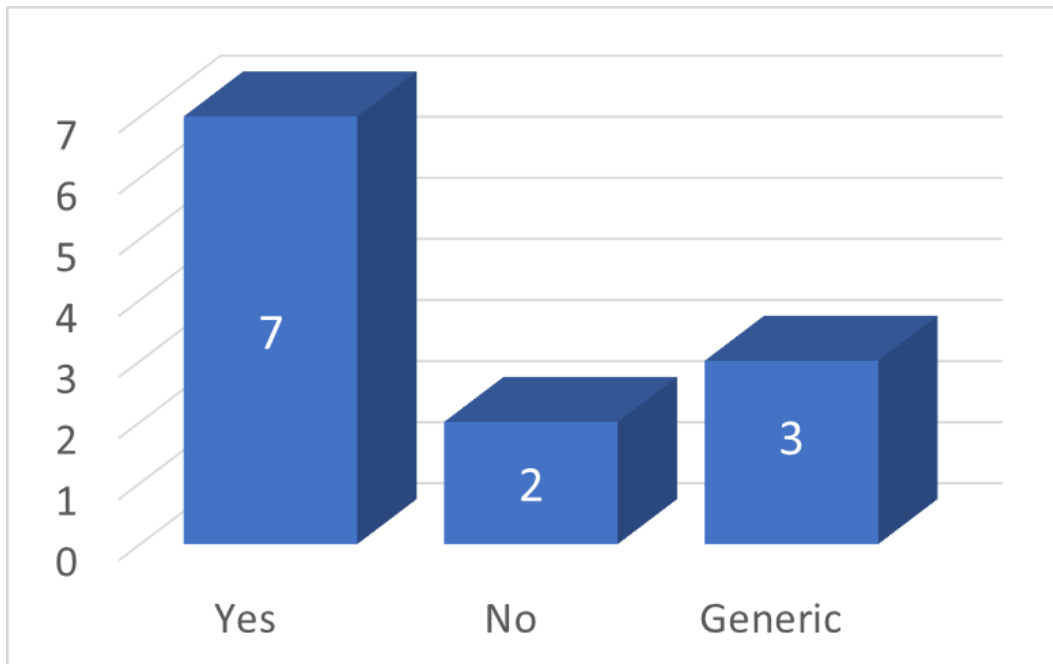
Status in 2025

11 Members have Functional Emergency Preparedness and Response Plan

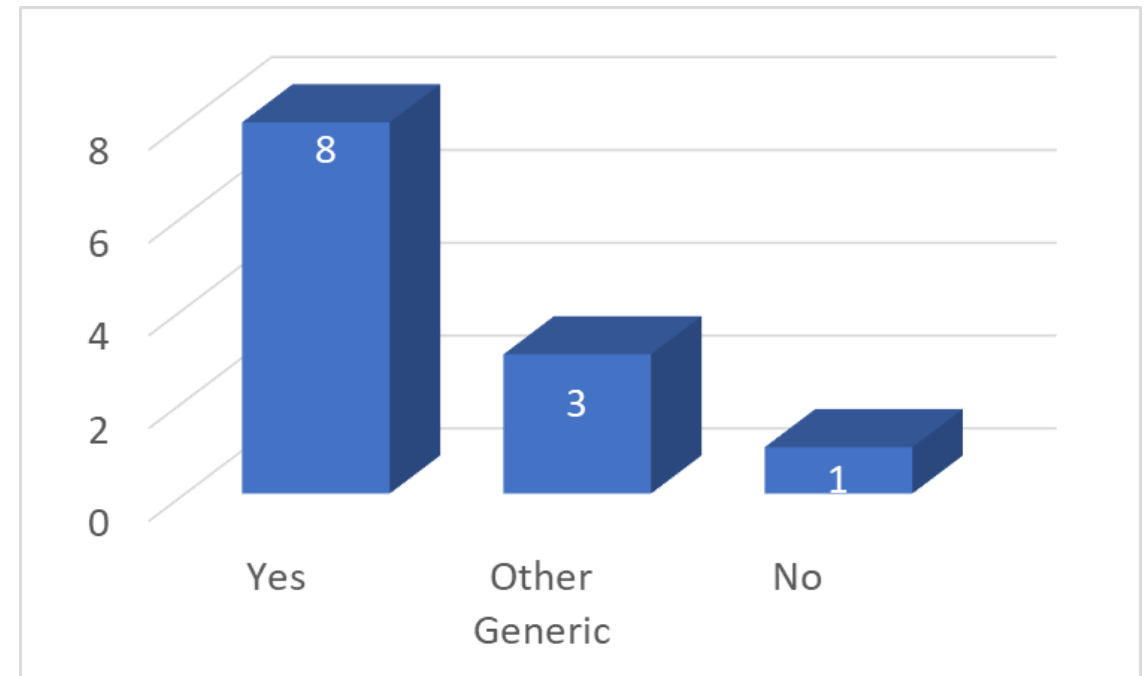
Outcome 2: Improved ownership and enabling environment at national level

Indicator 7: Do you have a Task force or National Committee In-charge of over seeing FMD control in your country?

Status in 2023



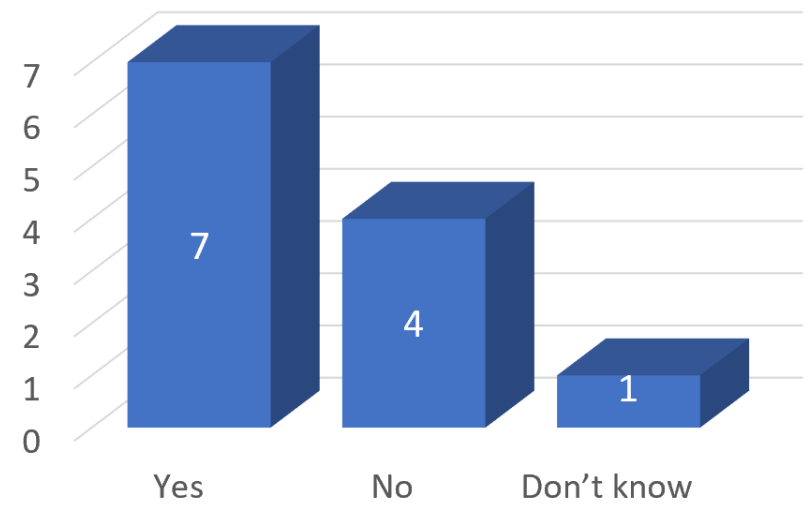
Status in 2025



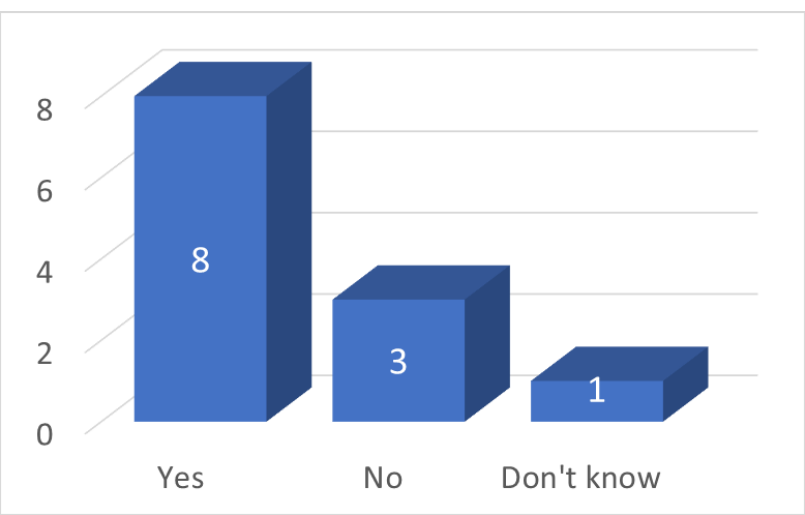
Output 2.2 National Veterinary Service capacities assessed and recommendations from PVS Evaluation implemented.

Indicator 9: Number of PVS self evaluation or external follow-up evaluation conducted

Baseline in 2021



Status in 2023



Thailand – 2024
Philippines – 2023
Indonesia – 2023

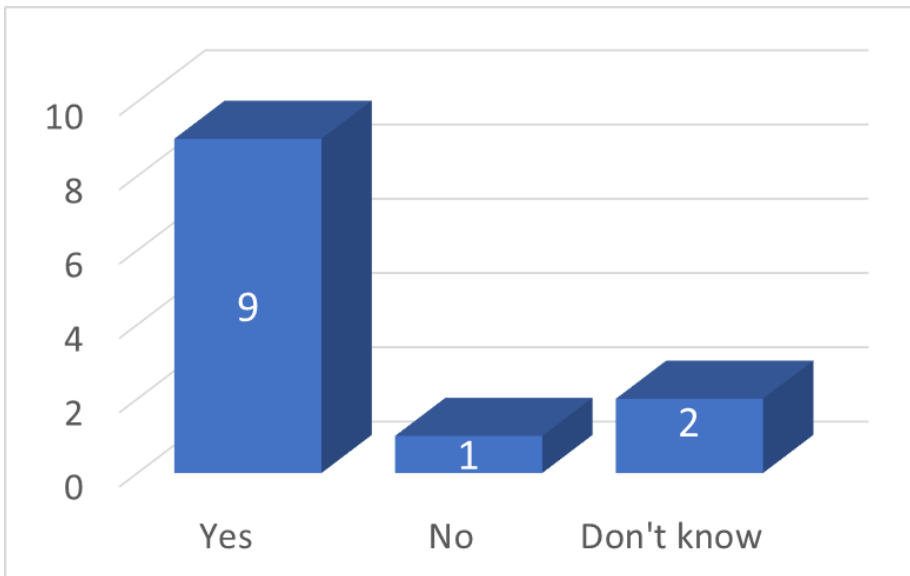
PVS Self Evaluation – 4
PVS Follow-up Evaluation -2
Both - 2

PVS Self Evaluation – 3
(China, Vietnam and Myanmar)2

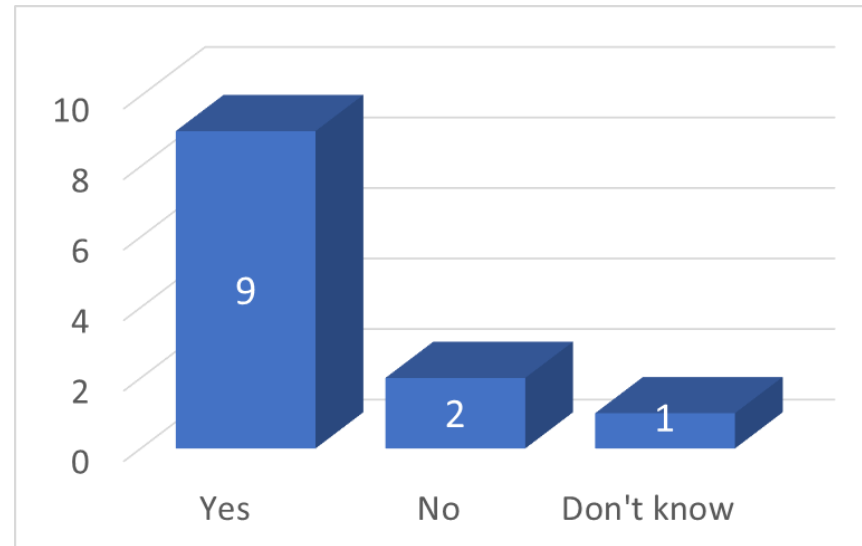
Output 2.3 National legislation related to FMD (and other related TADs) reviewed and revised.

Indicator 10: National legislation related to FMD (and other related TADs) have been reviewed and revised.

Baseline in 2021



Status in 2023



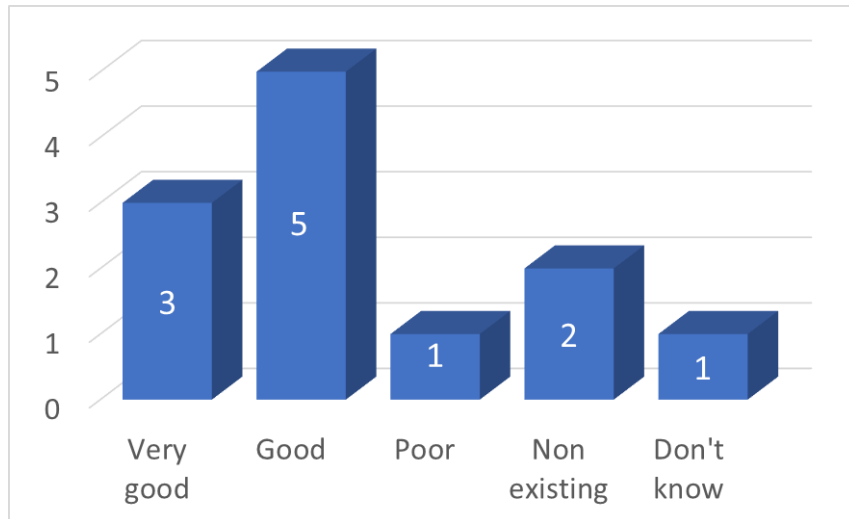
Status in 2025

11 Members reviewed and revised policies/ legislations

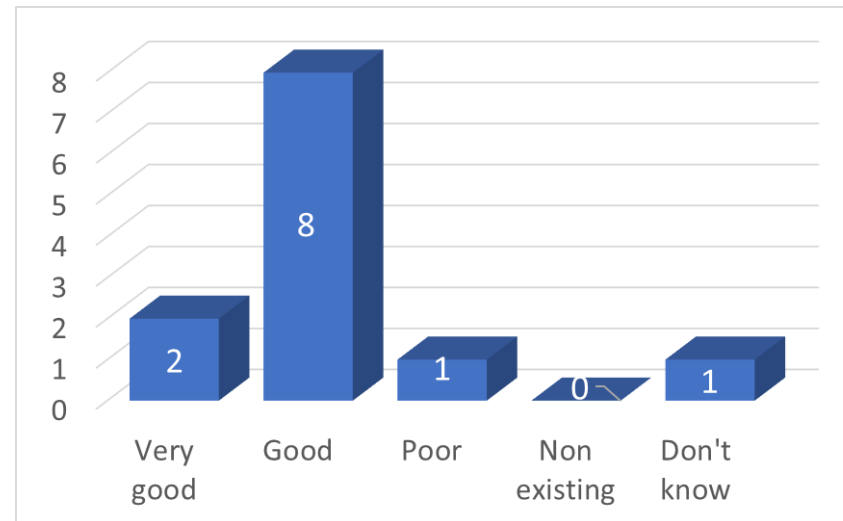
Output 2.4 Multi-disciplinary and multisectoral efforts implemented for control of FMD (and other related TADs).

Indicator 11: Level of collaboration/ partnerships co-organized with the public and private sectors.

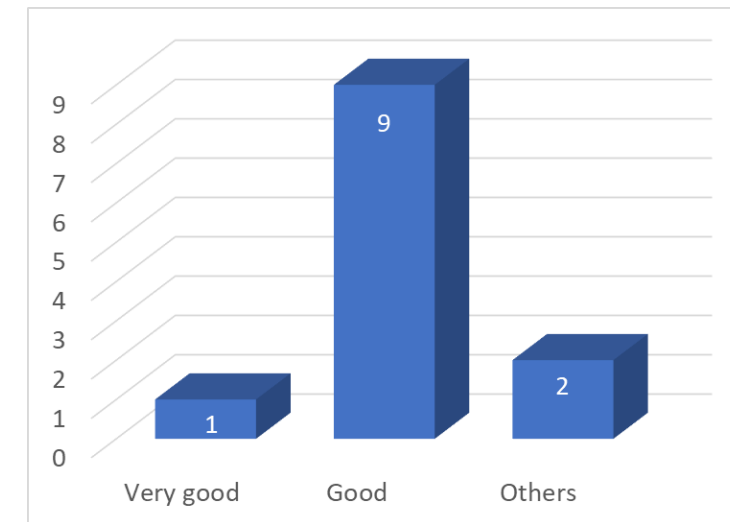
Baseline in 2021



Status in 2023



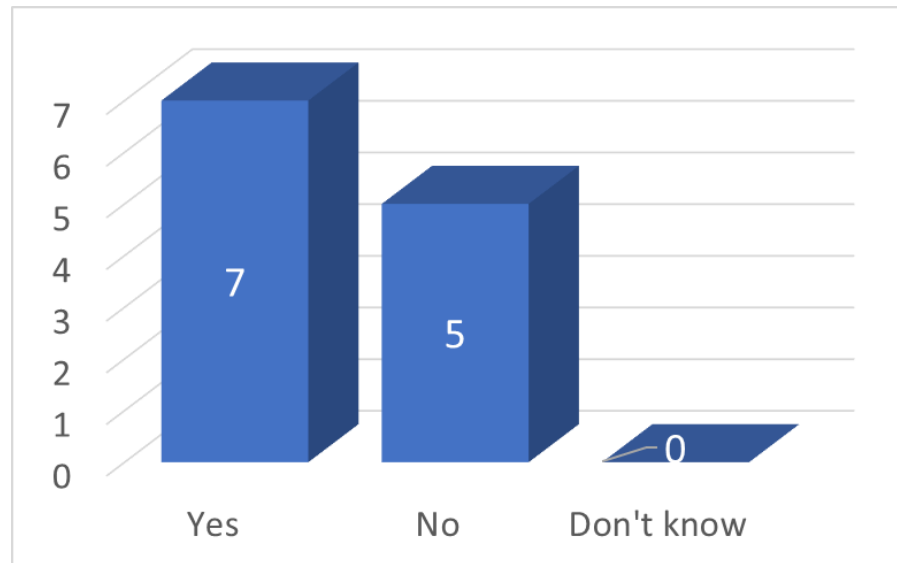
Status in 2025



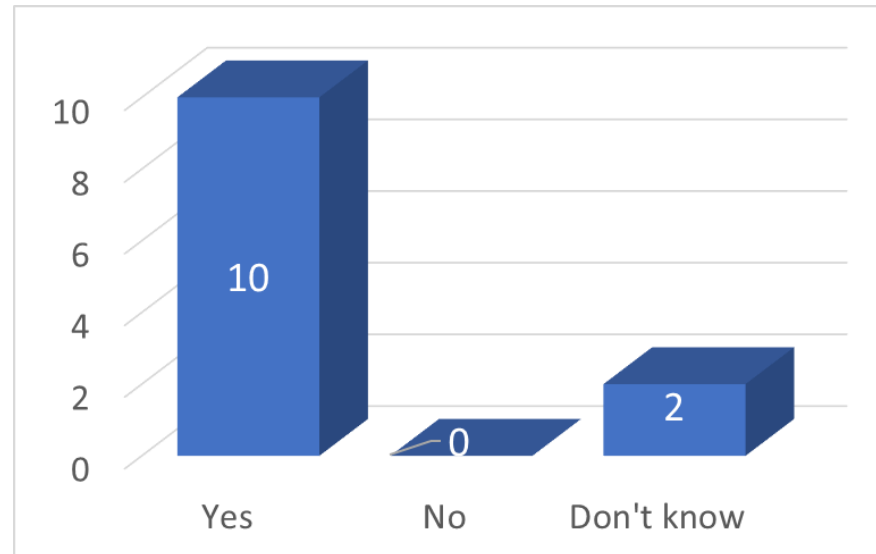
Output 2.5 Cost-efficient synergies with other livestock activities implemented

Indicator 12: Number of activities identified and implemented that are in synergy (FMD and other TADs activities)

Baseline in 2021



Status in 2023



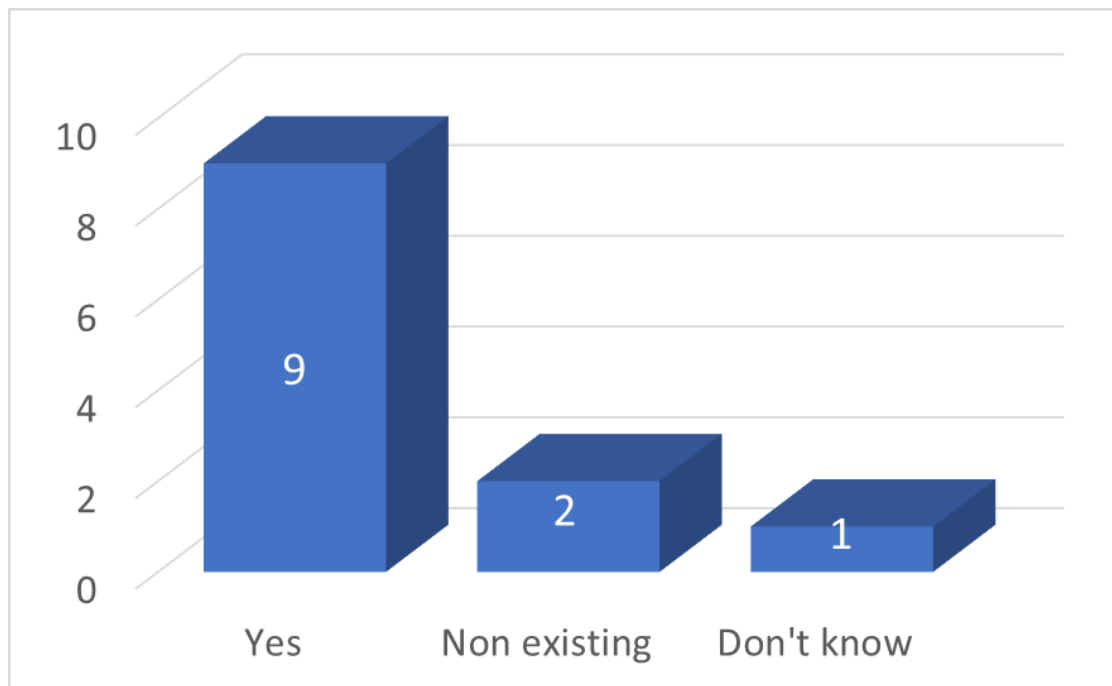
Status in 2025

10 Members implemented activities that are in synergy with other TADs control

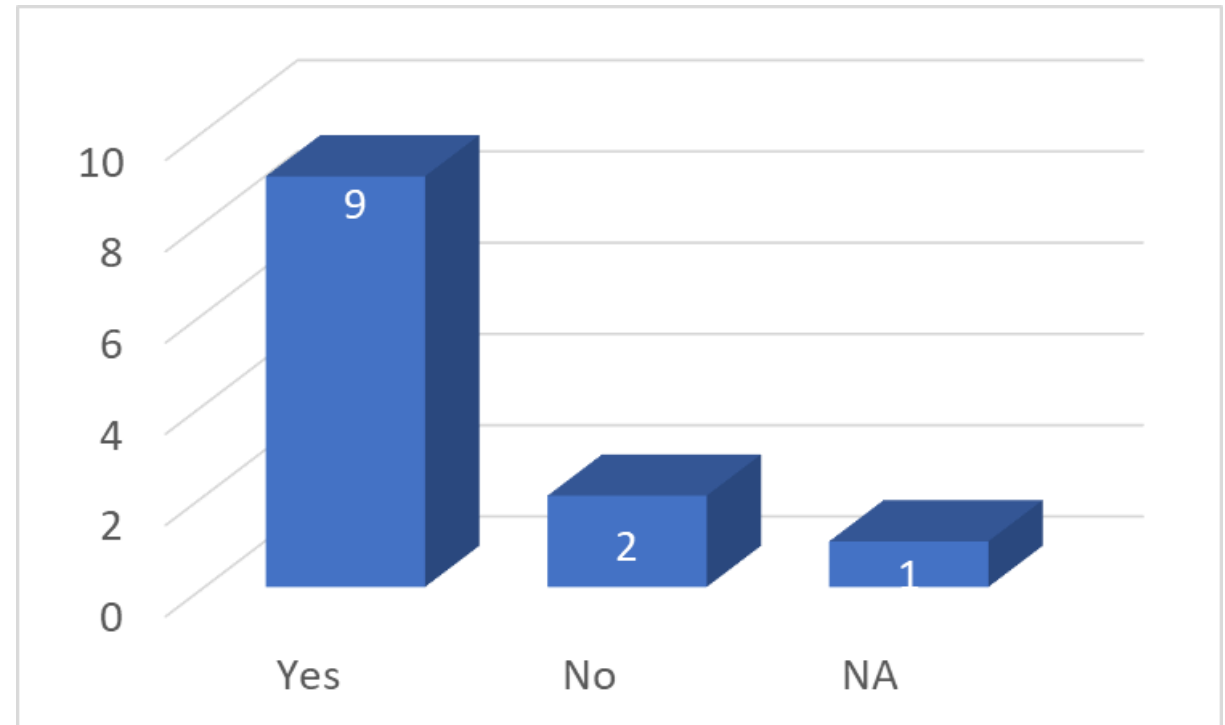
Output 3.1 ASEAN support reaffirmed, including allocation of appropriate resources

Indicator 15: Number of Members who use this roadmap to secure fund commitment from their respective Government

Status in 2023



Status in 2025



Highlights – Key Challenges and positive trends

Key challenges

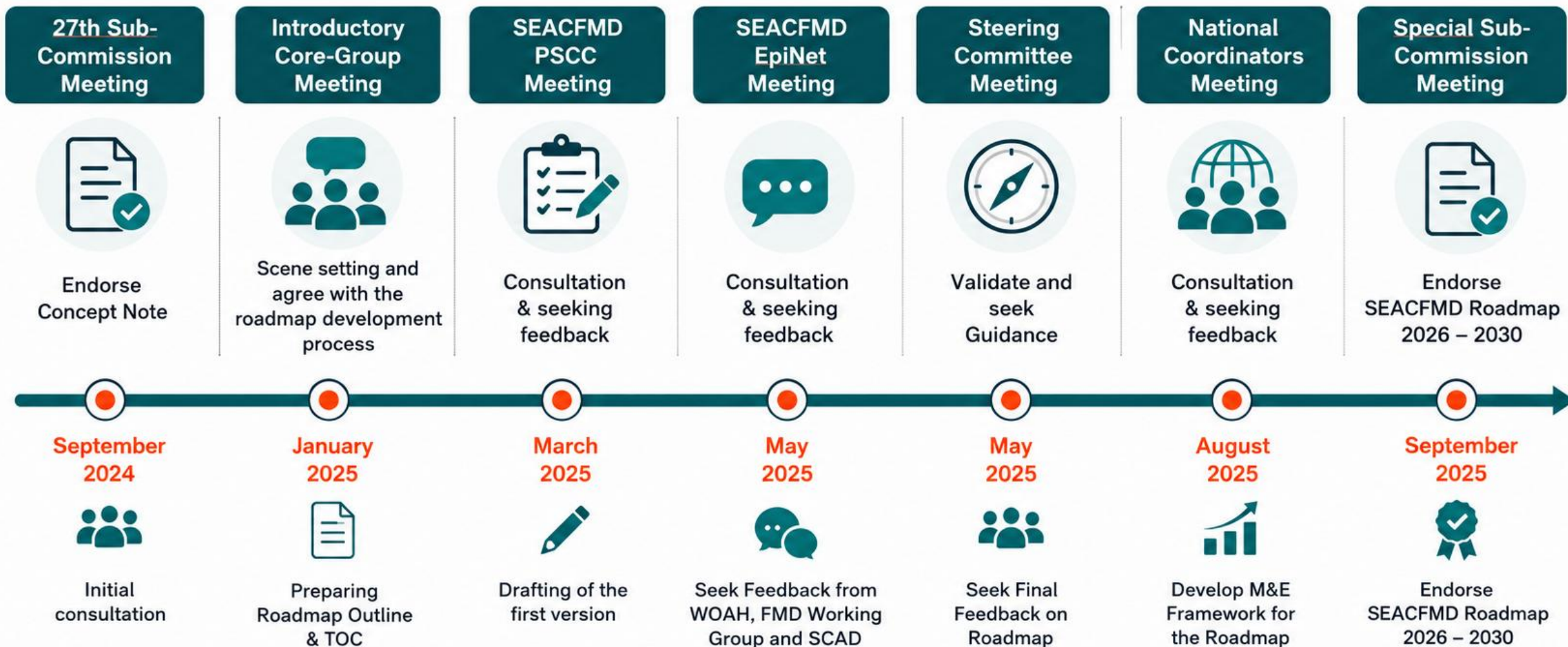
- Sensitivity of passive surveillance?
- Low rate of FMD virus typing
- Ownership and sustainability
- Illegal animal movements
 - Poor understanding of market forces that influence high risk animal movements
 - Porous borders
- Poor vaccination coverage due to lack of resources
- Question of quality vaccines or ineffective vaccination strategies in countries implementing mass vaccination – need to evaluate vaccination program

Positive trends

- Increasing number of bilateral agreements for safer trade
- Synergies of FMD control with other TADs
- Resilient legislations
- Members interest in WOAH Tools such as PVS evaluations



SEACFMD Roadmap Development



SEACFMD Roadmap 2026 – 2030

Enhanced engagement and multi-disciplinary partnerships with key stakeholders

Cross border collaboration and partnerships among key stakeholders

OUTPUTS



Fit for purpose FMD Surveillance

Veterinary Laboratory diagnostic system

Movement control, quarantine and biosecurity

FMD vaccination and access to quality vaccines

Emergency preparedness and contingency planning

OUTCOME 3

Enhanced partnerships and regional collaboration for effective FMD and TADs control.

GOAL

To achieve regional control and eradication of FMD through strengthened veterinary services and regional collaboration

FMD control enhanced through risk-based strategies, supporting PCP-FMD progress and maintaining FMD-free zones

OUTCOME 1

Improved ownership and enabling environment (policy, legislation, advocacy, workforce) at national level

OUTCOME 2

Efficient and effective SEACFMD coordination platforms

Sustained collaboration with key partners in the region



OUTPUTS

Policies and legislations

Communication, Advocacy and stakeholder engagement

Cost efficient synergies with other TADs control

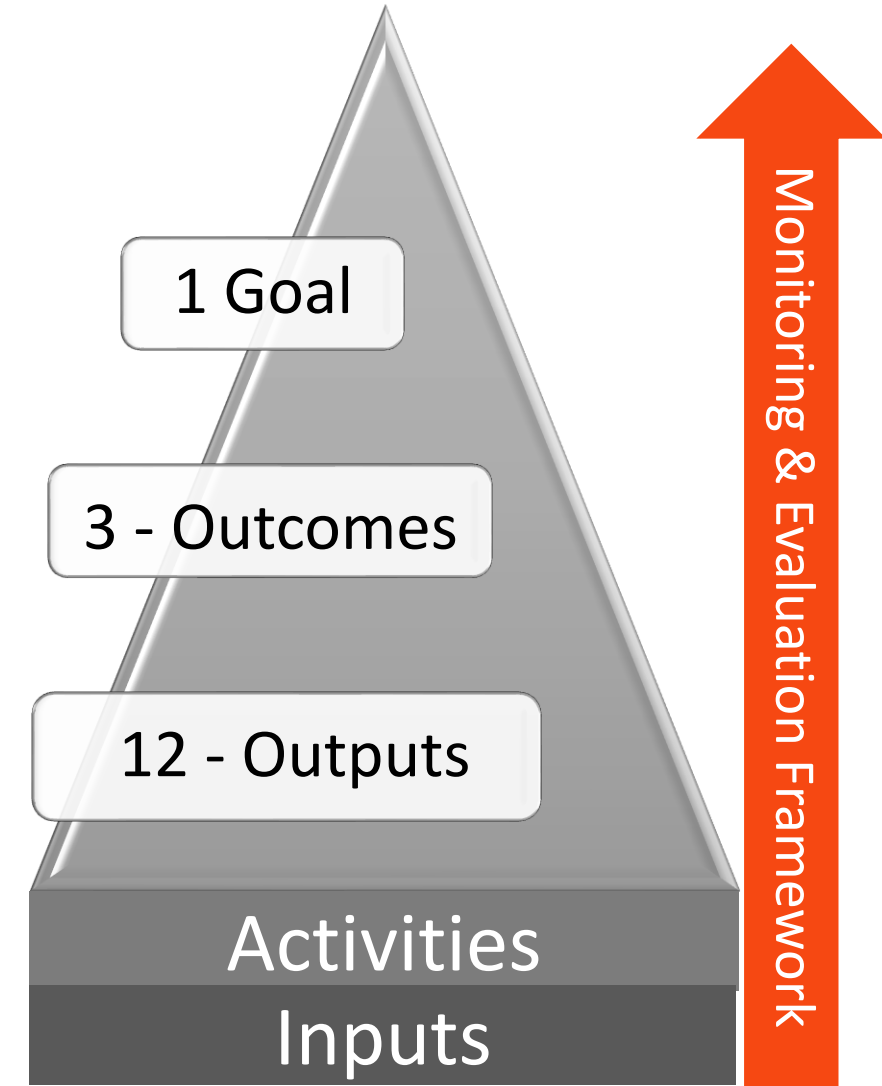
SEACFMD Roadmap 2026 – 2030 (7th Phase – New Era of the SEACFMD Campaign)

Goal:

To achieve regional control and eradication of FMD, through strengthened veterinary services and regional collaboration.

The achievement of the goal will be indicated by:

- For SEACFMD Members with FMD free status – Successful maintenance of their country's and zones' FMD-free status;
- For SEACFMD Members with endemic FMD areas: Demonstrated progress along the FMD Progressive Control Pathway;
- Increased number of disease-free zones endorsed by WOAH and/ or trading partners



Implementation of SEACFMD Roadmap 2026 – 2030

- Endorsed SEACFMD Roadmap 2026 – 2030
- 16th Upper Mekong Working Group Meeting back-to-back with SEACFMD Private Sector Consultative Committee Meeting in Chiang Rai in April 2026
- Organisation Zoning and Compartmentalisation Workshop
- Activation of Regional Expert Group for FMD
- Activation of Malaysia, Thailand and Myanmar (MTM) Initiative for FMD Control
- 28th SEACFMD Sub-Commission Meeting this week
 - Endorse Roadmap Implementation Plan
 - Agree and endorse M&E baseline and targets
 - Come up with priority actions
- Upcoming event in 2026 - SEACFMD LabNet and Surveillance Workshop



Thank You