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# Progress of the SEACFMD Campaign (2022 -2023)

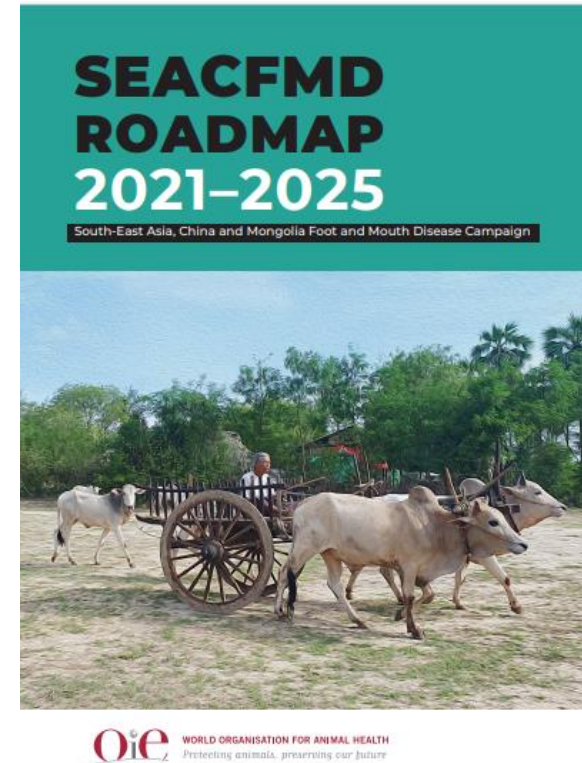
Karma Rinzin  
Regional Animal Health Coordinator  
WOAH SRRSEA

26<sup>th</sup> SEACFMD National Coordinators Meeting  
Kuala Lumpur, Malaysia (22 – 24 August 2023)

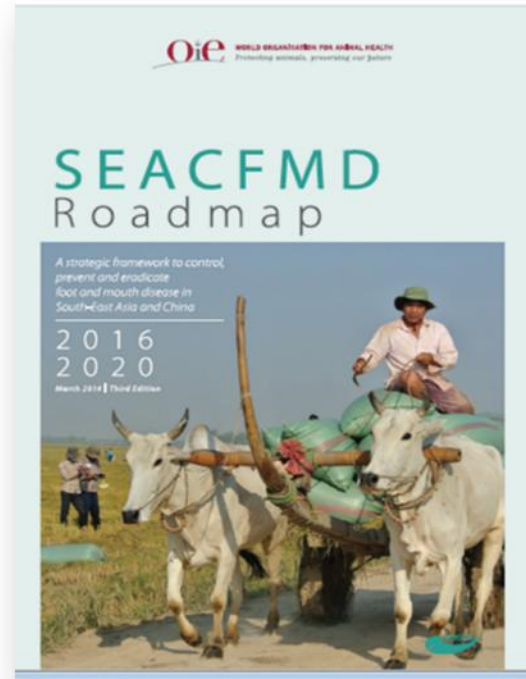
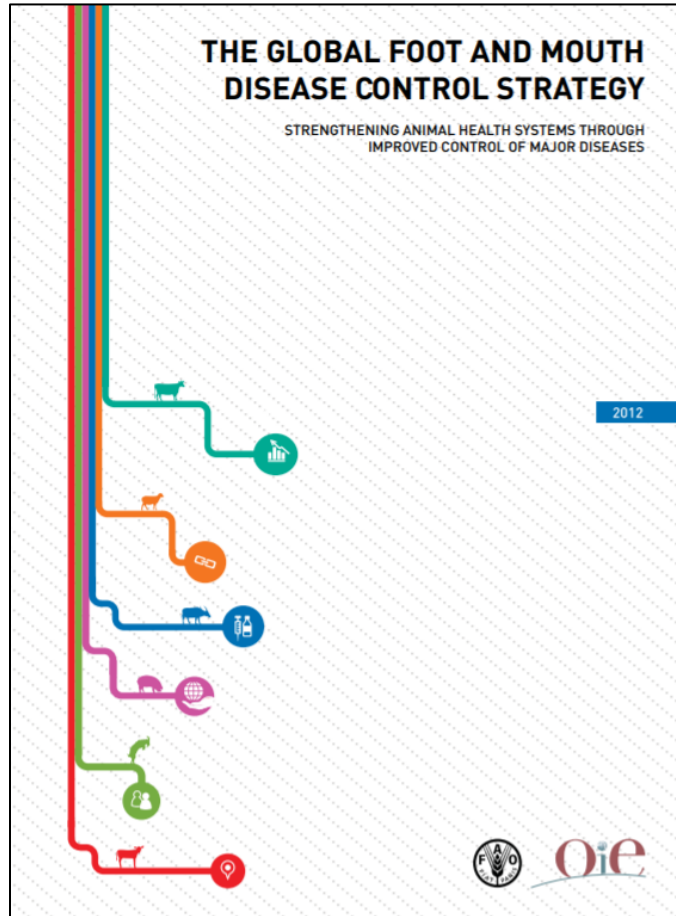
# Outline

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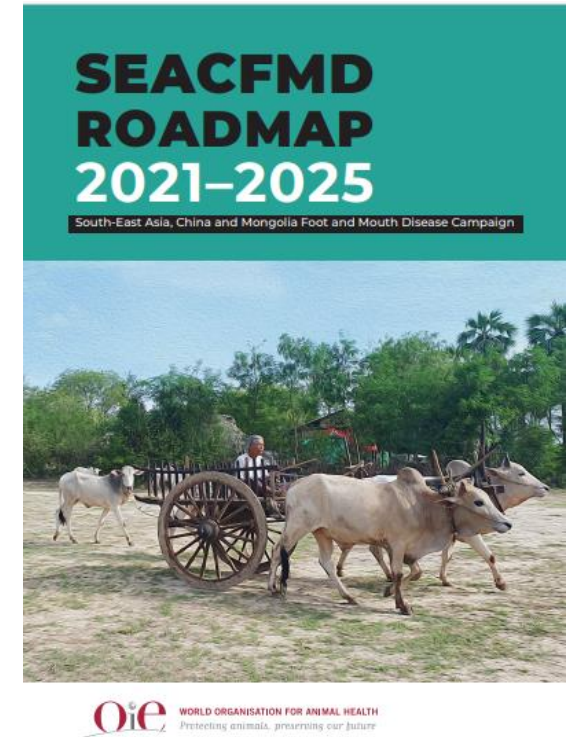
- Background
- Progress of the SEACFMD campaign
  - Objective 1 – Reinvigorated FMD Prevention and Control in SEACFMD Member Countries
    - Outcome 1
    - Outcome 2
    - Outcome 3
  - Objective 2 – Evaluation of SEACFMD Campaign from 1997 to 2020 to address critical gaps
- Progress on implementation of SEACFMD Governance meeting recommendations
- Priority actions identified during the 25<sup>th</sup> SEACFMD Meeting



# Background



2021 - 2025



**Risk-based approach to FMD control**



## 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

Regional Study on Animal Price Monitoring

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

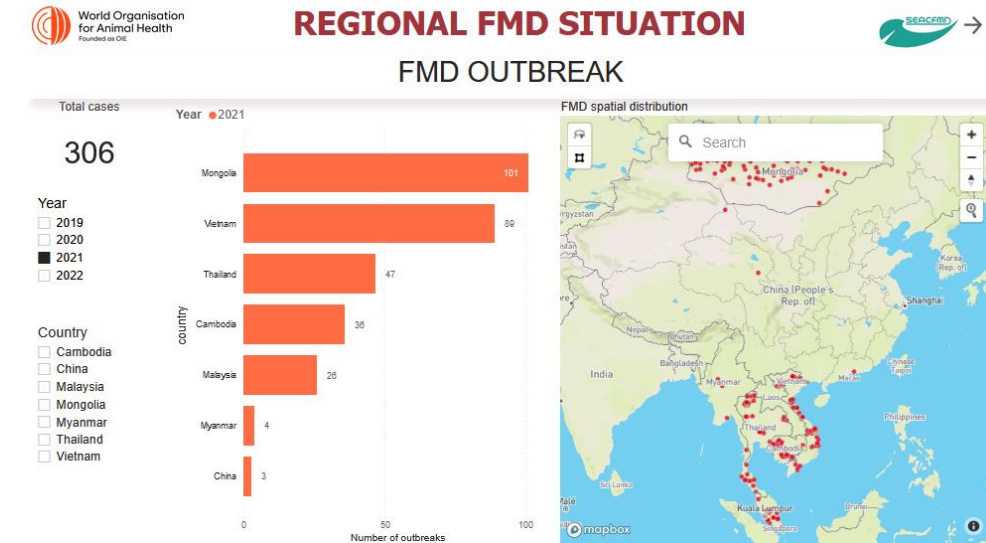
Assess emergency Preparedness and Response Capacity by the Members

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

Animal Price Monitoring Pilot Study in Malaysia - Identify FMD driver – animal movement linked with price and cultural changes

SEACFMD Portal and FMD Situation Dashboard

## FMD Situation Dashboard



Routine activities – Publication of Annual SEACFMD Bulletins, application of WOAHA standards etc.

## Outcome 2: Improved ownership and enabling environment at national level

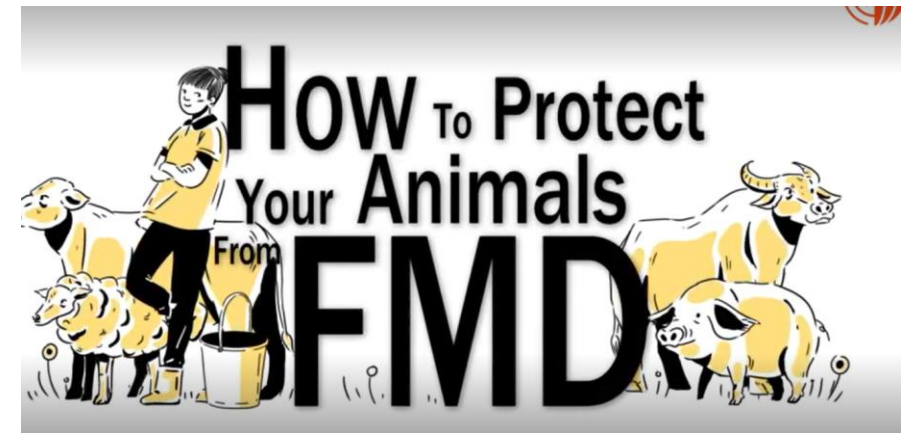
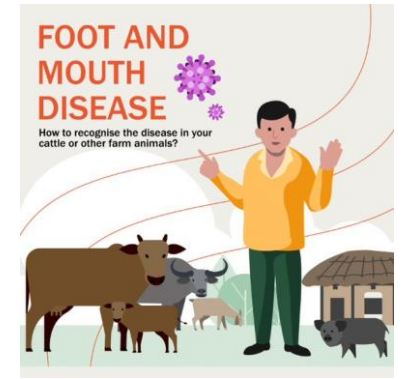
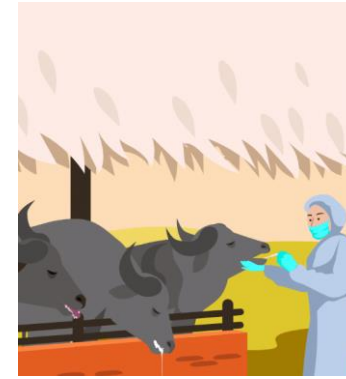
Aligned National FMD control Plan with the SEACFMD Roadmap 2021-2025

Support and implement PVS Evaluation Mission

National legislation related to FMD reviewed and updated

Socio-economic study in Laos and Myanmar to better understand farmers' and CAHWs reluctance and incentives in FMD reporting

Capacity building programs/ Training – ToT on outbreak investigation, GIS, study design, simulation modelling



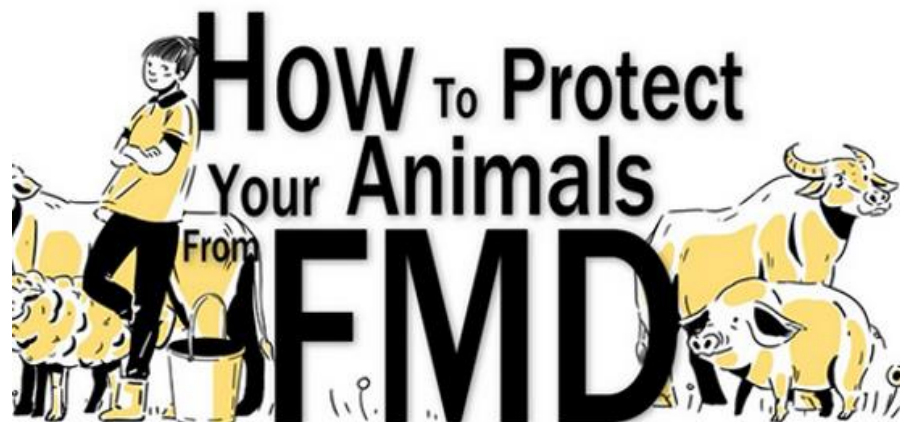
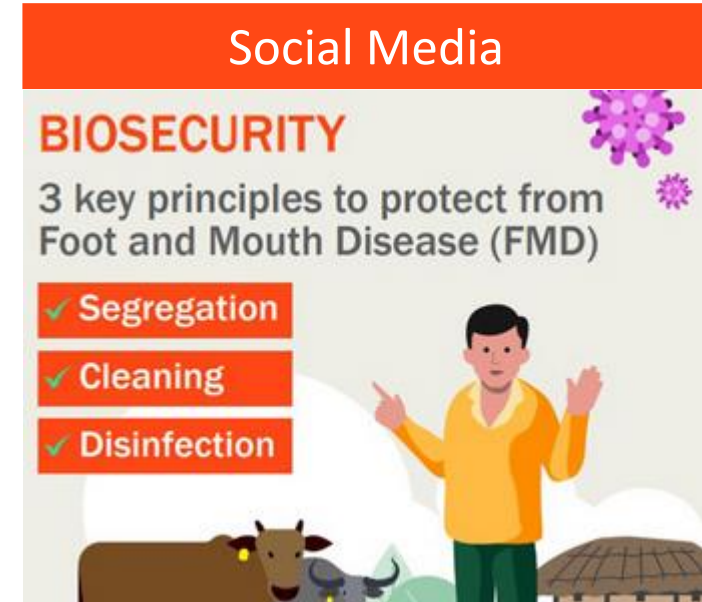
Digitization of SEACFMD  
Communication Materials

# 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, WOAHA Regional Commission Meetings

Liaised with FAO in the implementation of GF-TADs activities including Regional GFTADs Steering Committee Meeting in Feb 2023 and development 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



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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**

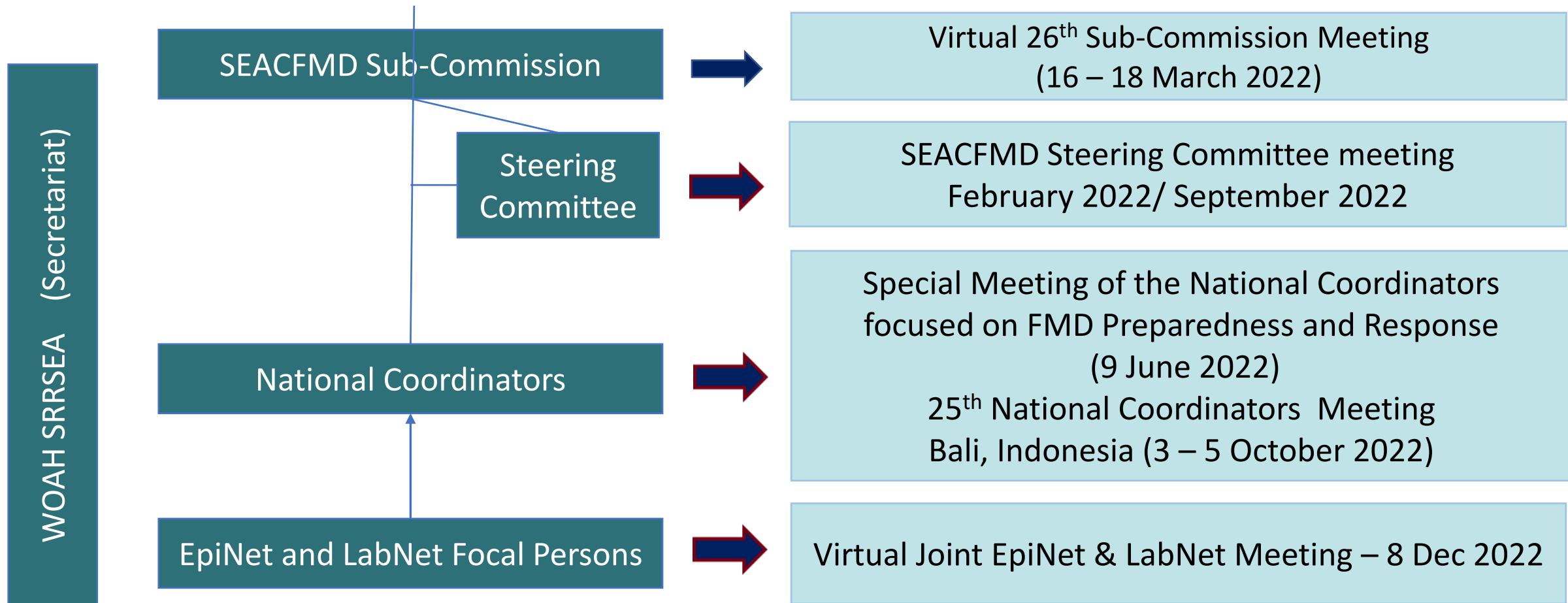
<https://rr-asia.woah.org/en/our-mission/our-mission-regional-strategies/the-south-east-asia-and-china-foot-and-mouth-disease-seacfmd-campaign/>



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# SEACFMD Governance Meetings



Regional FMD Expert Group Meeting (8 June 2022)

Private Sector Consultative Committee Meeting (16 March 2023)



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# Objective 2: Evaluation of SEACFMD Campaign to address Critical Gaps

**Introduction:** a review assisting 2025 Roadmap  
**Aim:** what's been learned in 23yrs & where to now?  
**Materials & Methods:**

1. Desktop review: Roadmaps, PVS, Lit. etc.
2. Surveys: range of stakeholders
3. Discussion: Global FMD Review team
4. Focus Group Discussions (26<sup>th</sup> NC Meeting)

**Conclusions:** Gaps & Recommendations  
 Consolidate lessons ex history informing future  
*Improving Biosecurity Change Management*

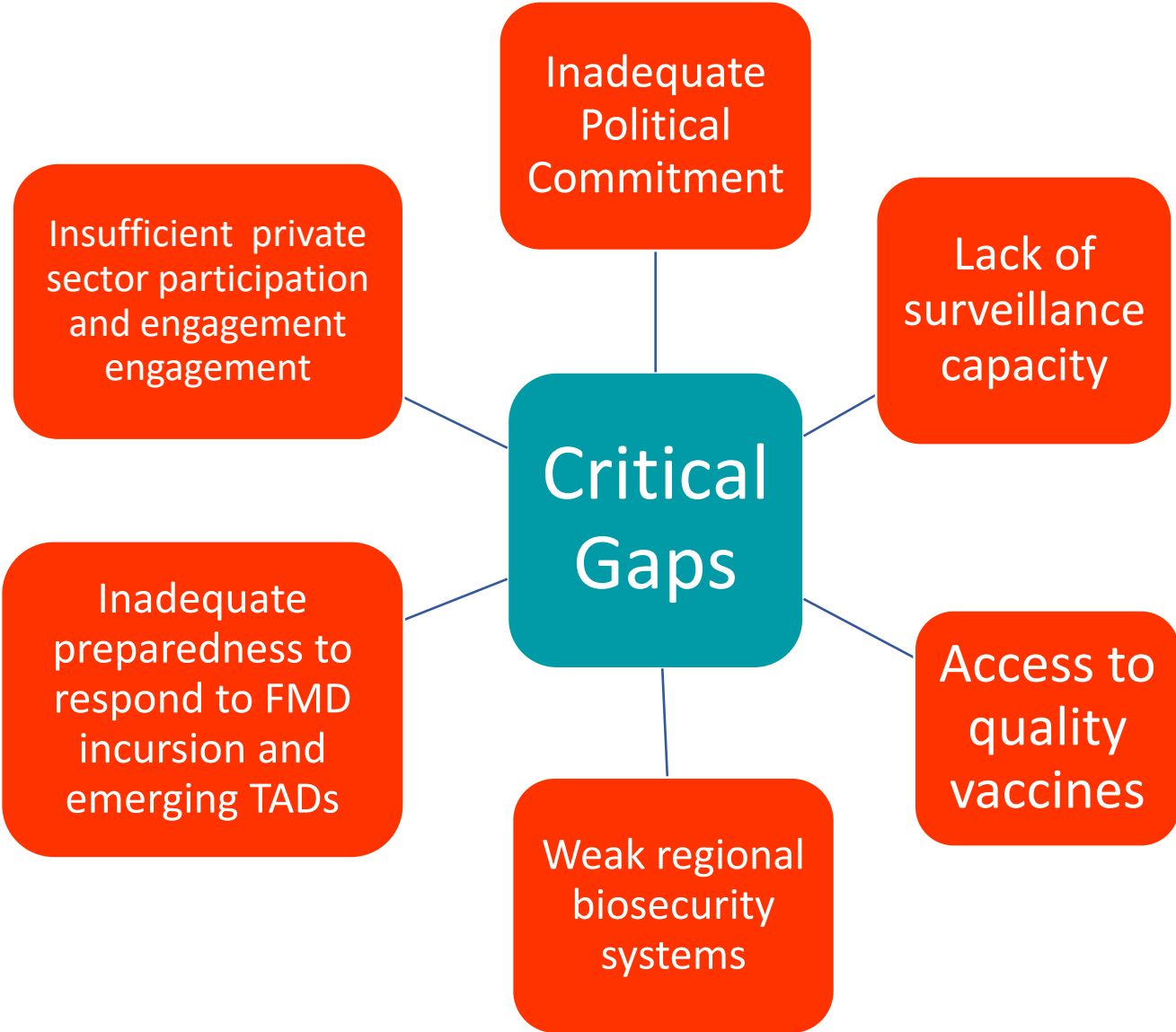
## SEACFMD Campaign 1997-2020 Review

The collage includes several key documents:

- SEACFMD Campaign Plan 2001-2004:** Shows a map of the region and a list of activities.
- THE GLOBAL FOOT AND MOUTH DISEASE CONTROL STRATEGY:** A high-level strategic document.
- SEACFMD Roadmap (2006-2010):** A flowchart showing the progression from Program Management to Public Awareness, with sub-components like Biosecurity, Diagnostic and Control, Policy, Legislation, Zoning, and Pest Control.
- SEACFMD Roadmap (2011-2015):** A chart with three main pillars: Technical, Advocacy, and Coordination.
- SEACFMD Roadmap (2016-2020):** Two versions. One shows a 'GOALS' section with three main goals: decrease FMD incidence, strengthen national VMS, and enhance regional cooperation. The other shows 'OBJECTIVES' such as applying science-based strategies, strengthening VMS, and promoting regional cooperation.
- SEACFMD Roadmap (2016-2020):** A detailed flowchart with three main pillars: TECHNICAL (Subsistence & Investigation, Biosecurity and Checkpoints, Vaccination), COORDINATION AND ADVOCACY (Regional and National Coordination, Ministerial and CVO Engagement), and GOVERNANCE AND POLICY (SEACFMD Sub-Commission, Legislation, Funding).

**Prof Peter Windsor & Dr Harish Tiwari**  
 Sydney School of Veterinary Science  
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 MLR: [mekonglivestock.wordpress.com](http://mekonglivestock.wordpress.com)

# Objective 2: Evaluation of SEACFMD Campaign to address Critical Gaps





# Follow-up on the SEACFMD Governance Meeting Recommendations

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## 26<sup>th</sup> SEACFMD Sub-Commission Meeting (16 to 18 March 2022)

- Support evaluation of SEACFMD Campaign from 1997 to 2020
  - SEACFMD campaign evaluation successfully completed with support of Members and Partners
- Enhance communication by digitization of FMD communication materials and development of SEACFMD Portal and dashboard.
  - Communication materials digitized – six infographics and 2 animated videos
  - SEACFMD Portal launched on 5 October 2022 during the 25<sup>th</sup> SEACFMD NC Meeting in Bali, Indonesia

# Follow-up on the SEACFMD Governance Meeting Recommendations

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## 26<sup>th</sup> SEACFMD Sub-Commission Meeting (16 to 18 March 2022)

- To work on procedures to validate and declare freedom from Asia 1 serotype from the SEACFMD region.
  - Study to identify status of Asia 1 in SEA – ongoing
- to strengthen epidemiological investigation and management of FMD outbreaks with collection of samples and laboratory diagnosis including virus characterization and ensure closure of outbreak
  - Brainstorming session during the 25<sup>th</sup> NC Meeting in Bali and Virtual EpiNet/ LabNet Meeting in December 2023
- use modelling for identifying priority areas for vaccination; and CONDUCT anthropological studies on perceptions and behaviour of farmers on vaccination to enhance FMD vaccination.
  - Planned

# Follow-up on the SEACFMD Governance Meeting Recommendations

## 25<sup>th</sup> SEACFMD National Coordinators Meeting at Bali, Indonesia (2 to 4 October 2022)

- to explore possibility of setting up of vaccine / antigen bank for the region, to address difficulties in obtaining quality vaccines in the face of emergencies due to supply, regulatory and distributor contractual issues;
  - WOAHSRRSEA initiated number of interventions to obtain relevant information
- to promote access to quality FMD vaccines through awareness of the policy makers, streamlining the registration and procurement process and encourage the use of a vaccine compliant with the Chapter 3.1.8. of the *OIE Terrestrial Manual of Diagnostic Tests and Vaccines for Terrestrial Animals*;
  - Policy brief on importance of using quality FMD vaccine in pipeline and different options offered in the Note related to access to quality FMD vaccines and FMD vaccine/ Antigen Bank
- to identify and develop synergies between FMD control and other TADs or other livestock production/health activities;

➤ Session planned on Day 3 – Session VIII



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# Follow-up on the SEACFMD Governance Meeting Recommendations

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## 25<sup>th</sup> SEACFMD National Coordinators Meeting at Bali, Indonesia (2 to 4 October 2022)

- to implement M&E framework /process to generate consistent data to measure the progress of the SEACFMD campaign at the country level by adapting the M&E framework for the SEACFMD Roadmap 2021-2025, including establishment of baseline and targets for the M&E indicators;
  - Ongoing
- to conduct high level advocacy of the Policy Makers to reaffirm support from highest Authorities on prevention and control of FMD and other related TADs;
  - Development of Policy brief in pipeline
- Advocate priority actions and recommendations through the existing ASEAN mechanism such as ASWGL and SOM-AMAF;
  - SEACFMD Campaign progress and priority actions reported to 31<sup>st</sup> ASWGL Meeting.

# Follow-up on the SEACFMD Governance Meeting Recommendations

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## 25<sup>th</sup> SEACFMD National Coordinators Meeting at Bali, Indonesia (2 to 4 October 2022)

- to enhance early warning, prediction, rapid detection and rapid response to FMD risks and possible incursion;
  - Ongoing Animal price monitoring study, Epidemic Intelligence from Open Source (EIOS) etc
- to map the resources available with different partners through close liaising and collaboration, where possible promote cost sharing so as to maximize impact to the beneficiary countries;
  - Mapping of projects related to TADs in South-East Asia ongoing
  - FAO invited to attend the SEACFMD Meetings and share their FMD activities
- To develop and maintain active collaboration between the partners for prevention and control of FMD and other related TADs;
  - Ongoing under GF-TADs umbrella; Regional GF-TADs Strategy developed; and progress of the SEACFMD Campaign and priority actions reported to the 12<sup>th</sup> Regional Steering Committee for GF-TADs in Asia in February 2023 at Tokyo, Japan

# Follow-up on the SEACFMD Governance Meeting Recommendations

## Joint Virtual EpiNet/ LabNet Meeting (8 December 2022)

- to conduct a study to identify the critical risk drivers for FMD spread, such as animal movements linked to price changes and cultural festivals.
  - Pilot study on Animal Price Monitoring in Malaysia ongoing
- to conduct a regional study to identify Asia1 status in the region and assess new incursion risks from neighboring regions.
  - Ongoing
- Other recommendations to SEACFMD Members: Optimize surveillance system including strategic sampling for FMDV serotyping; use IEC materials and epidemiological tools (spatial risk assessment using MCDA and cross border risk assessment) developed by WOA;
  - Ongoing
- Other recommendations to WOA – WOA in coordination with Ref Lab to provide reference protocols and controls to SEACFMD Members; and use findings of training needs assessment to plan future capacity building programme.



# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

- **Action 1** – High level advocacy to Policy Makers and Decision Makers
  - Policy brief to Policy Makers and decision Makers to reaffirm support from highest Authorities on prevention and control of FMD and other TADs is ongoing
  - Policy brief on importance of using quality FMD vaccine is in pipeline



**Policy brief:** An opportunity to safeguard animal health, economic benefits, and improve food security by prevention and control of FMD and other TADs

A. Sater<sup>1</sup>, K. Rizzo<sup>1</sup>, B. Purusuman<sup>1</sup>, R. Abda<sup>1</sup>, World Organisation for Animal Health (WOAH)

**Background:** Foot and mouth disease (FMD) remains a priority Transboundary Animal Disease (TAD) in South East Asia. FMD control remains challenging due to different serotypes of the causative virus, susceptibility of multiple species i.e. all domestic cloven-hoofed animals are susceptible, including cattle, pigs, sheep, goats, and buffalo and rapid spread nature of the disease [1]. The South-East Asia and China Foot and Mouth Disease (SEACFMD) Campaign [2] is a regionally coordinated programme to combat foot and mouth disease (FMD) in South-East Asia, China and Mongolia. The SEACFMD campaign aims to increase productivity and economic output in the livestock sector by controlling and eradicating FMD in these areas. The campaign launched in 1997, is in its 6<sup>th</sup> phase of implementation under the guidance of the SEACFMD roadmap (2021-2025). This roadmap provides strategic framework and guidance for countries and its overall goal is to strengthen veterinary services to effectively prevent, control and eradicate foot and mouth disease and other transboundary animal diseases (TADs). The SEACFMD Campaign brings together countries from FMD virus (FMDV) pool 1, which is one of seven distinct regional FMDV pools classified by the FMD reference laboratory network of the WOAH and Food and Agriculture Organisation of the United Nations (FAO). An associated FMD control

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Strategic Objective of the SEACFMD roadmap (2021-2025)

Reinvigorated FMD prevention and control in SEACFMD member countries

# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

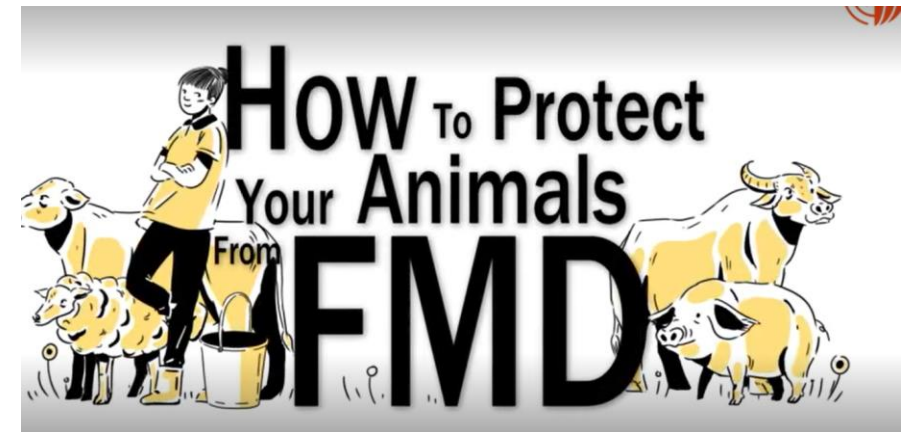
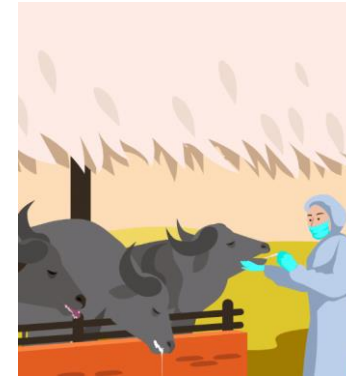
- **Action 2** - Effective communication to relevant target groups

## 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](#)



Translation of newly developed materials into local languages is ongoing

# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

- **Action 3 – Improve early reporting and promote transparency**

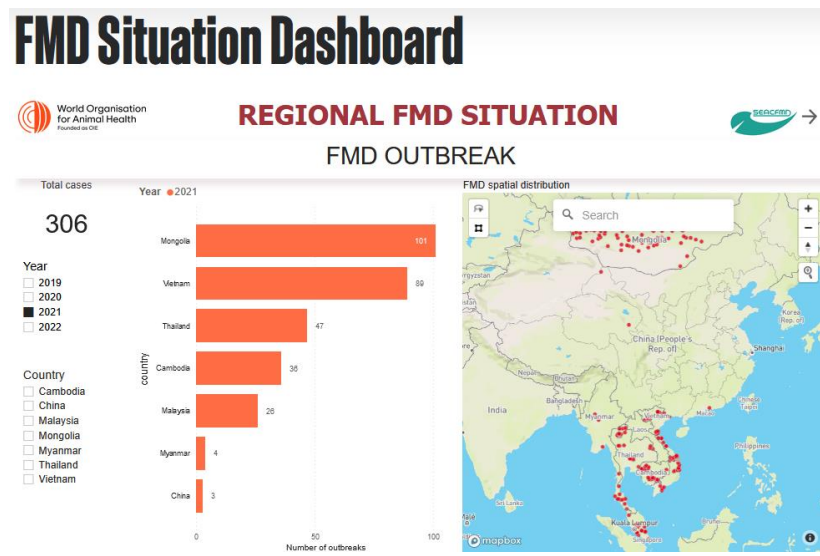
- **ARAHIS/WAHIS Integration Project:**

- Create - ASEAN HUB
- Use the single reporting system

- **SEACFMD Portal and FMD situation dashboard**

- **Recommendations of Joint EpiNet/ LabNet Meeting**

- Awareness of owners focused on FMD recognition and reporting
- Strengthen National Animal Disease Information System including immediate reporting to WAHIS/ ARAHIS
- Conduct detail epidemiological investigation of any suspected FMD cases including sampling FMDV serotyping
- Enhance capacity of National Lab to characterize circulating FMDV types



# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

- **Action 4 – Enhance Prediction and early warning**

## Animal Price Monitoring Pilot Study Malaysia

- To identify FMD risk driver- Animal movements linked with price changes and cultural festivals
- Collect data on animal and product prices from multiple stakeholders along value chain and predict animal movement patterns in a country and across the border

## Supporting Early threat warning/ Intelligence gathering “Asia hub”- Supported by DAFF

Objective: Establish Asia Hub- Active search team for rumour tracking

The training for RR/SRR staff on the use of EIOS (Epidemiology Intelligence Open System) is ongoing.

## Recommendations of Joint EpiNet/LabNet Meeting

- Prompt detection and reporting
- Monitoring FMD threats globally and in the region/ epidemiological intelligence and rumour tracking
- Information sharing with neighbouring and trading partners



# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

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## Action 5 – Explore feasibility to set-up Regional FMD Vaccine Bank/ Antigen Bank

- WOAHA used to manage FMD Vaccine/ Antigen Bank and discontinued in 2020
  - WOAHA Vaccine Bank benefitted Myanmar, Laos and in lesser quantity Mongolia and Cambodia
- WOAHA SRRSEA met different stakeholders (Manufacturers, PANAFTOSA)
  - Several countries, including in Asia, have signed bilateral supply agreements (Antigen or Vaccine Bank) with manufacturers to secure their access to quality FMD vaccines.
  - In the Americas, a regional/multi country mechanism has been established to provide access to FMD vaccines to the interested countries. The mechanism, called **BANVACO**, will be operational once three countries has signed the Agreement.



# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

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## Action 5 – Explore possibility to set-up Regional FMD Vaccine Bank/ Antigen Bank

- WOAHA has recently drafted Practical Guidelines for National Procurement of Veterinary Vaccines.
  - This guidelines have been developed to support WOAHA Members in their procurement of quality-assured veterinary vaccines.
- The European Commission for the control of Foot and Mouth Disease (EuFMD) is currently developing a prequalification scheme for FMD vaccines (PQv)
  - Prequalification (PQv) of vaccines is a system to ensure that vaccines supplied to EUFMD meets minimal internationally accepted criteria for quality, safety and efficacy.
  - PQ is a peer review process by independent experts of information, including existing marketing authorisations/licences/registrations, made available by applicants.
- For ASEAN Member States, the Mechanism for ASEAN Registration of Animal Vaccine is in place

# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

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## Action 5 – Explore possibility to set-up Regional FMD Vaccine Bank/ Antigen Bank

### Recommendations

- ✓ Quality should remain number one criteria in your purchase of FMD vaccines
- ✓ Compare the vaccines produced nationally with vaccines produced internationally and only select the vaccines which comply with minimum international standards
- ✓ Read the WOAHP Practical Guidelines for National Procurement of Veterinary Vaccines when procuring your FMD vaccines
- ✓ Follow the latest information on the EuFMD prequalification scheme for FMD vaccines which can help you list only high-quality vaccines in future procurement of FMD vaccines
- ✓ For ASEAN Member States, refer to the ASEAN Vaccine Registration mechanism of animal vaccine when purchasing FMD vaccines

# Priority actions identified during the 25<sup>th</sup> SEACFMD NC Meeting

## Action 5 – Explore possibility to set-up Regional FMD Vaccine Bank/ Antigen Bank

### Recommendations

- ✓ Liaise with relevant manufacturers providing quality FMD vaccines to assess the opportunity to develop a bilateral supply agreement (FMD Vaccine/ Antigen Bank)
- ✓ Contact WOAHA in case you would like more information and guidance on FMD supply agreements and FMD vaccine/antigen banks.
- ✓ Respond to the questionnaires and requests submitted by the SEACFMD secretariat (FMD Vaccination Reports in particular).

Information and recommendations provided are general, individual FMD situation, needs and expectations of each country to secure its access to FMD quality vaccines differ and may require different solutions. WOAHA remain available to discuss this important question bilaterally with any SEACFMD Members.

# Upcoming Activities

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- 26<sup>th</sup> SEACFMD National Coordinators Meeting in Malaysia from 22 – 24 August 2023
- SEACFMD LabNet Meeting in October 2023
- Workshop on safer trade in December 2023
- Upper Mekong Region Working Group Meeting in Feb 2024
- 27<sup>th</sup> SEACFMD Sub-Commission Meeting in March 2024



Thank You