THE SOUTH-EAST ASIA AND CHINA FOOT-AND-MOUTH DISEASE 2020 ROADMAP AND CONTEXT

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WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future
Outline

- SRR-SEA and SEACFMD Background
- SEACFMD Roadmap Strategies
- SEACFMD Programme Principles
- Activities and Meetings in the region
OIE SRR-SEA - Location

- Department of Livestock Development (Thailand)
SRR SEA Donor assisted programmes

- **STANDZ** – AusAID
  - Stop Trans-boundary ANimal Diseases and Zoonoses
  - Supports SEACFMD, STRIVES and One Health programmes

- **HPED** – EU
  - Highly Pathogenic and Emerging and re-emerging Diseases
  - Vaccine bank, capacity building, vet governance

- **IDENTIFY** - USAID
  - Laboratory strengthening
  - Part of USAID Emerging Pandemic Threat Programme
Stop Trans-boundary Animal Diseases and Zoonoses (STANDZ)
STANDZ

• Umbrella programme to cover Australian Aid Funded projects
  - SEACFMD
  - STRIVES (Strengthening VS)
  - One Health (Rabies)

• June 2011 – June 2016

• Comprehensive multi-component programme
  - design framework accommodates all present (and future) initiatives at SRR-SEA
SEACFMD

South East Asia and China Foot and Mouth Disease Campaign
The SEACFMD Campaign

Background

• Formally established in 1997 by 7 founding members (Cambodia, Lao PDR, Malaysia, Myanmar, the Philippines, Thailand and Vietnam)

• Indonesia (FMD free country) became a member in 2000

• China, Singapore, and Brunei joined in 2010

• 4 Phases:
  ➢ Phase 1 from 1997-2001; Phase 2 from 2001-2005; Phase 3 from 2006-2010; Phase 4 from 2011-2015
Objective

To coordinate animal disease control activities between countries, provide technical advice, ensure coherent strategies, and seek political and financial support to achieve FMD Freedom in the Region in year 2020.

SEACFMD approach serves as a model for regional coordination, not only for FMD, but for a range of other transboundary and zoonotic diseases.
FMD Global Strategy:
1. Improve global FMD control
2. Strengthening veterinary services
3. Improve the prevention and control of other major diseases of livestock.

SEACFMD 2020 Roadmap:
1. Combat FMD at source
2. Establish and subsequently expand FMD control zones
3. Protect zones that are currently FMD free
Roadmap Technical Principles

• Rapid identification of the foci of infection  
  – Surveillance

• Elimination of the source of FMDV  
  – disinfection

• Prevention of infection of susceptible hosts  
  – restrict infected from contact w/healthy herd

• Increasing herd and animal immunity  
  – vaccination
First Strategy

• Reduce FMD prevalence by targeting hotspots and critical points
  – Decreasing the prevalence ‘at source` and critical points along the animal movement pathways

• Hotspots = foci, endemic source

• Critical points = amplification point
Districts with FMD outbreaks 2007-2009
Sources of animals
Critical points
Hotspots
Identify Critical Pathways

• Finding critical points and institute strategic interventions to reduce the spread of FMDV along the pathway

• Identify hotpots / foci of infection
  • Disinfection campaign

• Ring Vaccination around high risk areas

• Animal movement management
Cattle movement pattern vis-à-vis population and price
Roadmap Strategies

Second Strategy

• Pursue zoning in the most advanced area of FMD control
  – Set up control/eradication zones in priority areas once disease incidence decreased to low levels and the likelihood of recurrence is reduced.
FMD Zones in SE Asia and China
Roadmap Strategies

Third Strategy

• Maintain and expand FMD free zones
  – Zones which are currently free will be protected by increasing the focus on quarantine and movement management at zone or countries borders.
Maintenance and Expansion of FMD Free zones
PCP and SEACFMD 2020

1st Strategy: Reduction of FMD prevalence by targeting hotspots and critical points

2nd Strategy: Progressive zoning

3rd Strategy: Maintenance and expansion of FMD free zones
The SEACFMD

Operationalisation of strategies

With these overarching strategies, the SEACFMD is now focusing on the following components:

1. **REFINING** technical activities
2. **STRENGTHENING** Policy advocacy
3. **STREAMLINING** coordination mechanism
INTRODUCTION

GLOBAL

REGIONAL

NATIONAL

Identification of foci of infection

Prevention of the spread of FMDV

Elimination of source/s of FMDV

Protection of susceptible hosts
1 REFINING TECHNICAL ACTIVITIES

- The fundamental principle to prevent, control and eradicate FMD is to **break the transmission cycle of the virus**.

- Identify foci of FMD infection
- Eliminate FMDV sources
- Prevent FMDV spread
- Protect susceptible animals
COMMUNICATION is a social behaviour, NOT a product (a poster, leaflet or a radio spot)
Strengthen Communication

Strengthen Advocacy
ADVOCACY

- Process of managing information and knowledge strategically to **change and/or influence policies and practices** that affect the lives of people (particularly the disadvantaged)

- Advocacy is the effort to
  - Change public perception
  - Influence policy decisions
  - Influence funding priorities
STREAMLINING COORDINATION

Regional and Global

National and Sub-National
Coordination and Governance
STREAMLINING COORDINATION

OIE

OIE Regional Commission for Asia, Pacific and Oceania

SEACFMD Sub-Commission

MEMBER COUNTRIES

National Coordinator

LabNet Focal Point

EpiNet Focal Point

Communication Focal Point
National Coordination

FMD National Coordinator

LabNet focal point

EpiNet focal point

Communication focal point

FMD Control and Eradication
SEACFMD LabNet

- Sub-Commission recommended Pakchong to become FMD RRL
- Opening of RRL in 2004
- Sharing of information and identification of research priorities
- 2010 recognised by OIE as FMD Reference Laboratory
- Harmonise diagnostic procedures in line with OIE standards
- Proficiency testing and quality assurance
SEACFMD EpiNet

- Developed a standardised set of protocols for FMD surveillance in the SEACFMD campaign
- A definition of an outbreak for SEACFMD and a case definition
- Suggested minimum requirements for regional reporting
- Design surveillance studies
- Evaluate FMD Situation and risk and needs for epidemiology in the region
- Next Meeting October 2014 jointly with Labnet
Communication Network

- SEACFMD Regional Communication Plan
  - Align with the OIE Animal Health Communication Strategy for SE Asia
- Development of a Field Manual for Communication
- Work with communication focal points
- Newsletter and E-news
Objective of the SGF

- To allow **selected member countries and OIE** to **identify priority areas** that are relevant to the outcomes of the STANDZ
- **Apply for funding to implement actions** that will contribute to achieving STANDZ outcomes
  - Vaccination Campaigns in Laos (2011-2013), Myanmar (2012-2013), and Cambodia (2013)
  - Socioeconomic study of FMD Vaccination Campaign in Myanmar
  - Animal Cross-Border Movement Study in Myanmar
  - Epidemiological/Socioeconomic study of FMD in Vietnam
  - Strengthening Veterinary Services – VSB establishment in Vietnam; Outbreak Investigation Manual creation and training for Indonesia; Enhancing Capacities of Veterinary Teaching Staff in Lao PDR/Cambodia
FMD Control Projects

- 3-year FMD Control Pilot Projects – Lao PDR, Myanmar
  - To cover several aspects of FMD control, including:
    o Vaccination
    o Post-Vaccination Monitoring
    o High-Level Advocacy
    o Capacity Building
    o Communication Activities
    o KAP surveys
    o Animal Movement Study and Management
  - Continuation of SGF Activities
  - In detailed planning stages
SEACFMD Regional Activities 2012-2014

- Support to Vaccination activities and post-vaccination monitoring activities – Provision of NSP kits, advice on sampling methodology
- Support to RRL Pakchong and collaboration with RRL Pakchong/Lanzhou/WRLFMD
- Support for sending of samples to RRL and WRLFMD for characterization
- Socioeconomic impact studies at village level in endemic countries using methodologies made at a workshop of researchers
- Updating of FMD National Plans
- Working with countries on endorsement of National Plans
- Comprehensive 3-year Pilot for Northern Lao PDR and Myanmar
- Development of Technical support documents, including Research Directions, Comprehensive Vaccination Approach, and Operationalisation of SEACFMD Strategies
SEACFMD Regional Activities 2012-2014

• Work with RRL-Pakchong for support of PT and provision of LP ELISA Test Kits, support to addressing problems seen through PT
• Animal movement studies
• Support for Outbreak Investigation and Management – Capacity Building & Field Activities
• SGF Activities
• Minor Amendments to SEACFMD 2020 Roadmap and Preparation of Roadmap for Next Phase
• Continued coordination and synergies with EU-HPED Programme and USAID EPT IDENTIFY Activities within office

• Meetings
  o Regular Meetings for SEACFMD (Subcommission/National Coordinators/EpiNet/LabNet)
  o Regular Coordination Meetings with FAORAP Bangkok, including ROK PCP FMD Project for South-East Asia
  o Sub-Regional Workshop on Veterinary Education
  o Traders’ Meeting
  o UMWG/MTM Meetings
  o Engagement with high-level national authorities/ASEAN
LESSONS LEARNT THUS FAR

• FMD Control and eradication not only about technical activities, but, capacity building, including in legislation, and effective coordination and governance, including advocacy also essential
  – Research needed not only in technical aspects, but also into drivers of behaviour, socioeconomic context and production systems

• Need for effective animal movement regulation, including aiming for harmonisation of animal movement controls through countries

• Essential to continue evaluating progress and responding to new challenges and new findings
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THANK YOU FOR YOUR ATTENTION
Thank you for your attention!