Capacity building of SEACFMD member countries: Virtual trainings by Massey University

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Background

ASEAN REGIONAL:

Strengthening FMD Control in South-East Asia Funded by the Government of NZ (MFAT) 2015-2022

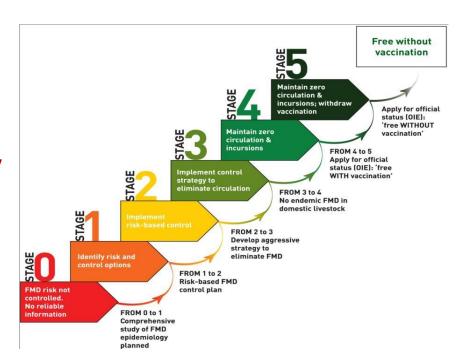
(Output 3: Training and technical assistance provided)

Training activities (2021 -2022)

- 1. Training of Trainers in Outbreak Investigation and Response Management
- Advanced GIS
- 3. Epidemiological Study Design
- 4. Infectious disease modelling







FOREIGN AFFAIRS & TRADE

Training of Trainers in Outbreak Investigation and Response Management (31 May – 8 July 2021)

Aim: strengthen the capacity for OI and response management of veterinary service **Delivery:**

- 6-week virtual training delivered via Massey Moodle (Stream) and Zoom
- Trainer: EpiCentre, OIE-SRR-SEA, Animal Health Works and DLD Thailand
- Self-paced learning programme; 4 weeks of technical modules and 2 weeks country assignment
- 27 participants from 11 countries Brunei, Indonesia, Lao PDR, Malaysia, Mongolia, Philippines, Singapore, Thailand, Vietnam, PNG and Timor-Leste







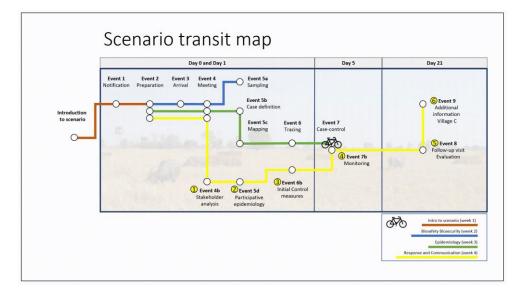
Training of Trainers in Outbreak Investigation and Response Management (31 May – 8 July 2021)

Topics:

- Adult learning principles & training techniques
- Situation analysis, biosecurity and sampling
- Epidemiological investigation
- Response and communication
- Country team developed training lesson (local context)

Applications:

- Prepare and organise local OI and Response training
- Utilise adult training skills in delivery of training
- Apply systematic OI and respond (also to other diseases)
- Apply proper biosecurity and preparation of sampling during OI
- Communicate essential finding (OI report)



https://rr-asia.oie.int/en/events/capacity-building-inoutbreak-investigation-and-response-management/







Advanced Geographical Information System (GIS) Training (27 July – 30 August 2021)

Aim: strengthen animal disease surveillance and control by using GIS tools **Delivery:**

- 5-week training virtual training delivered via Massey Moodle (Stream) and Zoom
- Self-paced learning programme; 2 weeks of technical modules and 3 weeks country assignment
- Course contents and deliveries developed with the prerequisite that participants have skills in using GIS software to perform basic tasks (pre-entry assessment)
- 30 participants from 12 countries Cambodia, China, Indonesia, Lao PDR, Malaysia, Mongolia, Philippines, Singapore, Thailand, Vietnam and PNG







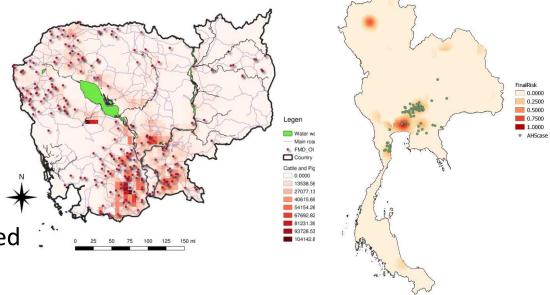
Advanced Geographical Information System (GIS) Training (27 July – 30 August 2021)

Topics:

- Spatial Risk Assessment (MCDA, QGIS)
- Spatial clustering (SaTScan)
- Country team developed SRA project (FMD, ASF, AHS, Rabies)

Applications:

- Spatial risk assessment using MCDA and create risk-based maps of local prioritized disease
- Apply cluster analysis for detection of disease clusters in animal population and informed decision
- Utilize QGIS mapping features to enhance communication with policy makers



https://rr-asia.oie.int/en/events/capacity-building-in-disease-surveillance-and-control-by-using-gis-tools/







Epidemiological Study Design training (5 November – 10 December 2021)

Aim: strengthen the capacity of veterinary services in designing and conducting various types of epidemiological surveys

Delivery:

- 5-week tutor-moderated workshops delivered via Massey Moodle (Stream) and Zoom
- Flipped model (participants did the basic learning before live webinar sessions)
- Trainer: EpiCentre and invited presenter (LSHTM and OIE-SRR-SEA)
- 3 weeks of technical modules and 2 weeks country assignment
- 33 participants from 11 countries Cambodia, China, Indonesia, Lao PDR, Malaysia, Mongolia, Philippines, Singapore, Thailand, Vietnam and PNG







Epidemiological Study Design training (5 November – 10 December 2021)

Topics:

- cross-sectional survey (Swine flu case study)
- case-control study (FMD case study)
- questionnaire design
- Country task on 2 case scenarios
 - Lumpy skin disease
 - African swine fever



https://rr-asia.oie.int/en/events/capacity-building-in-epidemiological-study-design/

Applications:

- Develop appropriate epidemiological study for different situation
- Identify the strengths and limitations of the various study designs considering the research question, the available time, and resources.







Infectious disease modelling training (21 February – 31 March 2022)

Aim: strengthen the capacity of veterinary services in the South East Asia region in the use of infectious disease models to aid in decision making

Delivery:

- 5½-week tutor-moderated workshops delivered via Massey Moodle (Stream) and Zoom
- Flipped model (participants did the basic learning before live webinar sessions)
- 36 participants from 11 countries Brunei, Cambodia, China, Lao PDR, Malaysia,
 Mongolia, Philippines, Singapore, Thailand, Vietnam, PNG and Timor-Leste







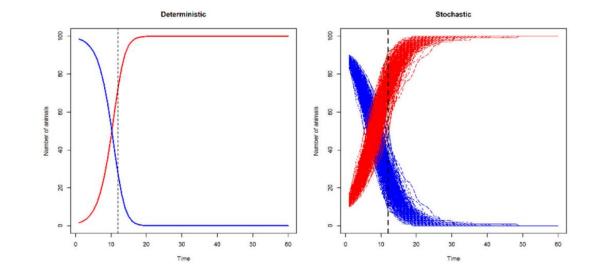
Infectious disease modelling training (21 February – 31 March 2022)

Topics:

- Introduction to infectious disease models
- Data requirements for spread models
- Making recommendations from models

Applications:

- Understand a simple infectious model and consider intervention scenarios.
- List the data requirements to build a disease model
- Use the outputs from a model to support recommendations for the control and management of infectious diseases









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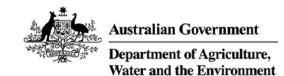
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THANK YOU





