



Concept Note and Agenda

'Training of Trainers (ToT) in Outbreak Investigation and Response Management, 2021'

Context

The prompt and appropriate response is essential to effectively control Foot and Mouth Disease (FMD) and emerging African Swine Fever (ASF) outbreaks to prevent its further spread causing serious socio-economic consequences. Planning outbreak investigation and control activities and their skilled implementation ensure that a country is prepared to respond when disease outbreaks occur. Adequate preparation is essential to ensure that there are sufficient resources and capacities to conduct the response activities in the face of an outbreak.

The "Training of Trainers (ToT) in outbreak investigation and response management" is part of a training scheme developed and delivered by the EpiCentre, Massey University, and the OIE Sub-Regional Representation for South-East Asia (SRR-SEA) under Output 3 of the New Zealand funded project 'ASEAN Regional Strengthening Foot and Mouth Disease Control in South East Asia'.

Objectives

This training aims to strengthen the capacity for emergency response procedures of veterinary service in the South East Asia region to FMD and emerging ASF outbreaks. The activities aim to build outbreak investigation capacity and appropriate disease outbreak response through training of trainer approach.

Methodology

5-week virtual training for training-of-trainers in outbreak investigation and response management will be delivered via the online Massey University Moodle platform (Stream) and Zoom synchronous training sessions. Trainers and facilitators will be staff of EpiCentre, OIE-SRR-SEA, and international (Animal Health Works) and regional (Department of Livestock Development, Thailand) experts. The training will start with didactic training of adult learning principles, training techniques, and introduction to the FMD outbreak scenario. They are then followed by biosecurity and sampling, epidemiological investigation, and emergency response modules. This training focuses on having participants become aware and confident in developing skill-based training for District vets through expert facilitation and peer-review by colleagues from the region. During the final week of training, each country team will develop an outbreak investigation training program suitable to the country's context. Participants will be invited from the Veterinary Services of SEACFMD member countries, plus Timor-Leste and Papua New Guinea (PNG).



Timeline

31 May – 2 July 2021 (5-week virtual training)

Language The course will be delivered in English.

Participants

Approximately 30-35 participants from SEACFMD member countries, plus Timor-Leste and Papua New Guinea.

Facilitators

1. Prof. Cord Heuer, EpiCentre, Massey University, New Zealand.
2. Dr Art Subharat, EpiCentre, Massey University, New Zealand.
3. Dr Chris Bartels, Animal Health Works.
4. Dr Sith Premashthira, Department of Livestock Development, Thailand
5. Dr Ashish Sutar, OIE Sub-regional representation for South East Asia.
6. Dr Karma Rinzin, OIE Sub-regional representation for South East Asia.
7. Dr Bolortuya Purevsuren, OIE Sub-regional representation for South East Asia.

Contact points

- OIE SRR SEA

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Agenda for virtual training of trainers in outbreak investigation and response management 2021

Week	Module	Competencies	Expected outcome	Facilitator
1	Adult learning principles/ training techniques & FMD scenario	<ul style="list-style-type: none"> Teaching skills for adult learners 	<ul style="list-style-type: none"> Understand objectives, schedule, and expected outcomes of the training. Understand a range of approaches to adult learning and how these may be adapted and applied to training. 	Chris/Cord
2	Biosecurity procedures and sampling for confirmation	<ul style="list-style-type: none"> Biosecurity principles and applications Selection of samples, together with information on collecting, handling, and transportation of samples 	<ul style="list-style-type: none"> Practice biosecurity measures during Outbreak Investigation (OI) and response management. Prepare suitable equipment/materials for investigation, field sample. collection, and biosecurity control measures. Correct selection, sampling, sample handling, and submission. 	Ashish, Karma and Bolortuya
3	Epidemiological investigation	<ul style="list-style-type: none"> Outbreak investigation principles and field applications Determine the population at risk Quantify the size of the outbreak Spatio-temporal patterns Tracing backward and forward Case-control study OI reporting 	<ul style="list-style-type: none"> Understand all features of FMD outbreak investigation Differentiate FMD outbreak (epidemic FMD) from endemic FMD Apply a systematic field outbreak investigation Effectively gather accurate, relevant information to explain how the disease is spreading in a population (population at risk) Describe the spatial and temporal distribution of FMD cases Evaluate the source and destination of the outbreak through backward and forward tracing Assess risk factors from a case-control study Understand the value and mechanics of disease reporting 	Art/Cord
4	Emergency response procedures	<ul style="list-style-type: none"> Standard operating protocol for an effective emergency response using local knowledge Disease reporting and communication 	<ul style="list-style-type: none"> Understand the manual on emergency response procedures and to be used as a guide to assist field veterinarians (DOTO) in investigating and managing disease outbreaks in their area Being able to report all essential findings of an outbreak investigation 	Chris/Sith
5	Bringing it together: Prepare Outbreak Investigation and response management training course	<ul style="list-style-type: none"> Training management skills 	<ul style="list-style-type: none"> Being able to prepare and organise Outbreak Investigation and response management training course suitable to the country context. 	ALL