WORKSHOP ON FMD MODELLING TO ESTIMATE THE EFFECTS OF FMD VACCINATION AND OTHER CONTROL STRATEGIES (VIRTUAL)

Tuesday, 8 December 2020
9.00 am – 12.30 pm, Bangkok Time (GMT +7)

Concept Note

FMD simulation modelling has been used to understand the FMD epidemiology in the susceptible population and evaluate suitable control programs. Some models have helped contingency planning and decision making, particularly in currently FMD-free countries in Europe, North America and Oceania. These models have supported the evaluation of alternative control programs by predicting the consequences of actual or hypothetical FMD outbreaks.

The NZ MFAT funded project 'ASEAN REGIONAL, STRENGTHENING FOOT AND MOUTH DISEASE CONTROL IN SOUTHEAST ASIA' is funding OIE for sub-contracting the EpiCentre, School of Veterinary Science, Massey University, for developing baseline models to simulate daily FMD spread among villages in Lao PDR and Myanmar. The baseline models are being used as a reference for variant models that implement various FMD control strategies (e.g. movement restriction, risk-based targeted vaccination, ring vaccination, etc.). The comparative scenarios may also support policy decisions by other SEACFMD countries that have similar livestock husbandry systems and constraints for disease control in rural villages.

Objective of the workshop:
To demonstrate simulation of FMD outbreaks with alternative control scenarios, using the baseline FMD spread models. After completion, participants will

- understand the functionality and parameters of INTERSPREAD-Plus,
- be able to develop scenarios,
- correctly interpret stochastic simulation results and
- communicate findings effectively with policy decision-makers

Location: Zoom (**https://oie.zoom.us/j/95948834519**) **Language:** English

Dates: 8th December 2020

Time: 9.00 am -12.30 pm Bangkok Time (GMT +7)

Targeted participant groups:
- DLF Epidemiology/FMD control staff
- LBVD Epidemiology/FMD control staff
- Other SEACFMD countries' Epidemiology/FMD control staff as observers.

Facilitators: **Dr Masako Wada & Prof Cord Heuer**
EpiCentre, School of Veterinary Science
Massey University (MU), New Zealand.

OIE contact point: Dr Ashish Sutar, Project Officer, OIE SRR SEA**,** Email: a.sutar@oie.int
Ms. Preechaya Srithep, Admin Officer, OIE SRR SEA, Email p.srithep@oie.int

MU contact point: **Dr Art Subharat**, Epicentre, School of veterinary science, Massey University.

Agenda for workshop on FMD modelling to estimate the effects of FMD vaccination and other control strategies

Zoom virtual meeting

Tuesday ,8 December 2020 9.00 am -12.30 pm Bangkok Time (GMT +7)		
Time	**Agenda**	**Facilitator**
9.00-09.15	Opening Remarks	Dr Ronello Abila
9.15-9.30	Introduction Workshop - Objectives - Expected outcomes	Prof Cord Heuer
9.30-9.45	Introduction to FMD modelling	Prof Cord Heuer
9.45-10.15	Model development	Dr Masako Wada
10.15-10.30	break	
10.30-11.00	FMD scenario 1: targeted vaccination	Dr Masako Wada
11.00-11.30	FMD scenario 2: early reporting, ring vaccination, quarantine	Dr Masako Wada
11.30-12.00	Break out session: define scenarios	Prof Cord Heuer/ Dr Masako Wada
12.00-12.15	Presentation, discussion	Prof Cord Heuer/ Dr Masako Wada
12.15-12.30	Closing Remarks	Dr Ronello Abila