



Country Presentation

FMD Situation and its Prevention & Control

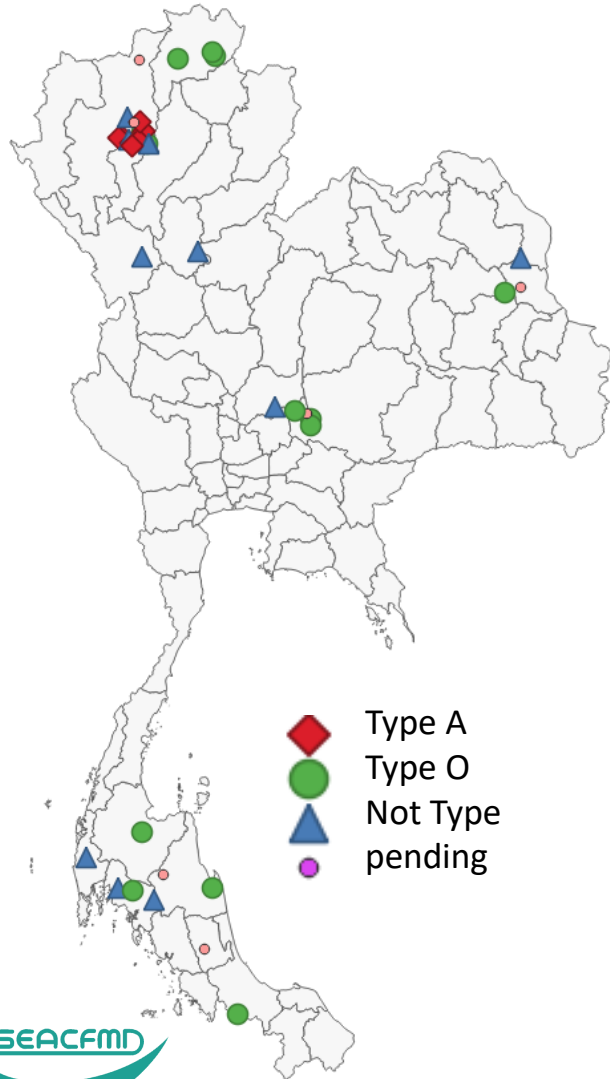
Country name: Thailand

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Position: Senior Professional Veterinarian

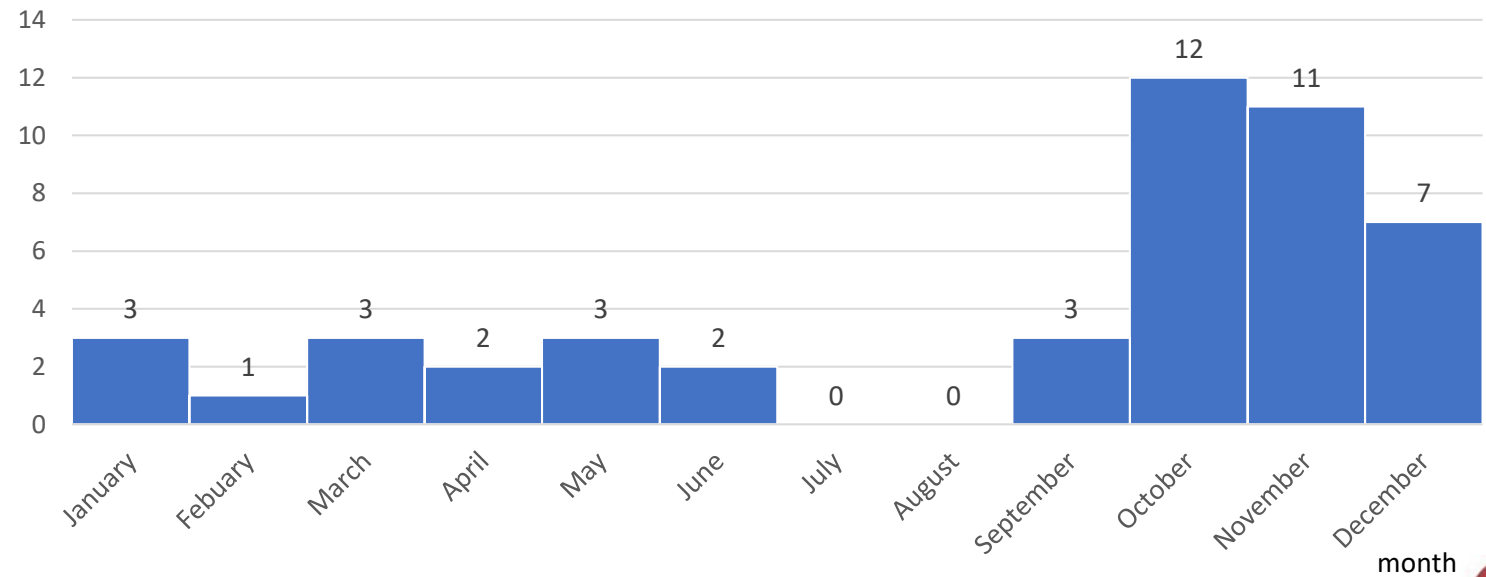
Affiliation: Department of Livestock Development

Number of FMD outbreaks in Thailand, 2021



- Total outbreak : 47 outbreaks in 18 provinces
- serotype
 - Type O : 14 outbreaks
 - Type A : 12 outbreaks
 - Not type : 13 outbreaks
 - Not sample: 1 outbreak
 - **Pending : 7 outbreaks**

No of Outbreaks



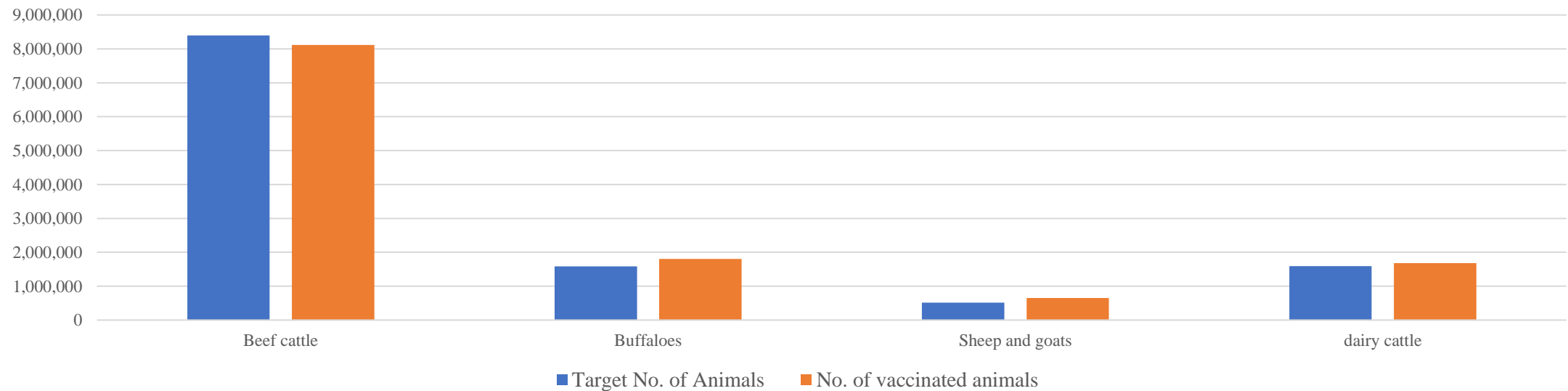
Number of FMD outbreaks in Thailand, 2021

Type of animal	Number of outbreaks	Susceptible	Number of sick	Number of death
Dairy cattle	17	10,495	393	6
Beef cattle	29	2405	1,658	6
Buffalo	1	24	1	0
Total	47	12,924	2,052	12

Key FMD Prevention and Control strategies

- The DLD vaccination campaign in 2021 was changed to mass vaccination. DLD distributed the amount of vaccine by 80% of animal population in each province. In dairy cattle, buffalo, sheep, and goat, we have vaccinated more than 100% of target population. In beef cattle, about 97% of target population have been vaccinated. This vaccination campaign was conducted about 2-3 rounds per year depending on the animal species. In each vaccination campaign we determined the animal population so if there are newborn target animal, they will be included in our target animals.

The result of FMD vaccination campaign



FMD Situation and Control Measures

Law enforcement: Animal Epidemics Act, B.E. 2558 (2015)

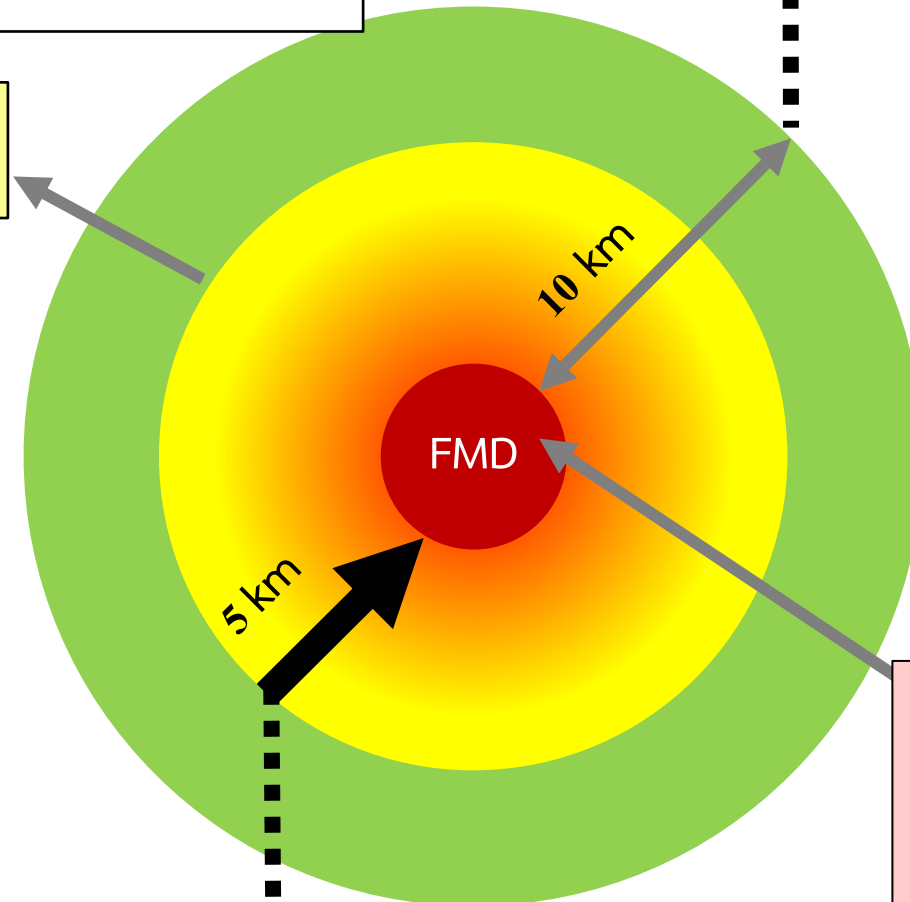
- FMD → Notifiable disease
- Temporary epidemic zone (Only the designated zone 5 km radius within a province) announced by local veterinary authority for at least 30 days

- Animal Movement control and disinfection check point



Clinical Surveillance (Passive and active) & Raising awareness

- Disinfection of risk area
- Improvement of farm biosecurity
- Warning & Promote collaboration between livestock networks/cooperatives



- Sample Collection → RRL
- Quarantine and treatment of sick animals
- Strict biosecurity measures

- Ring Vaccination
- Animal movement restriction

FMD Situation and Control Measures: Biosecurity



FMD-Free farms

- GFM/GAP (Swine)
- NSP-Negative herd
- 1-year accredited

FMD Strategic Plan

- DLD is drafting a new strategy, setting clear targets to certain areas, to drive exports.
- Strategic goals
 - Develop system and process to establish animal production zones/compartments which is safe from FMD
 - Increase export opportunities
- Activities
 - Gap analysis
 - Zone/compartment evaluation (MCDA, etc.)
 - Cost effectiveness
 - Consult with OIE
 - Strategic plan drafting

Main challenges and recommended solution

- Increase the number of standard farms and developed them into FMD-free farms
- Public Private Partnership on public awareness and establishment of FMD-free zone/compartment especially in pig farms
- Re-evaluation information to adjust prevention and control measures consist of
 - The value chain or network analysis each susceptible animals
 - Stakeholder analysis
 - The Knowledge Attitude and Practice of farmer



Thank You