



# Country Presentation FMD Situation and its Prevention & Control

**Country name: Myanmar**

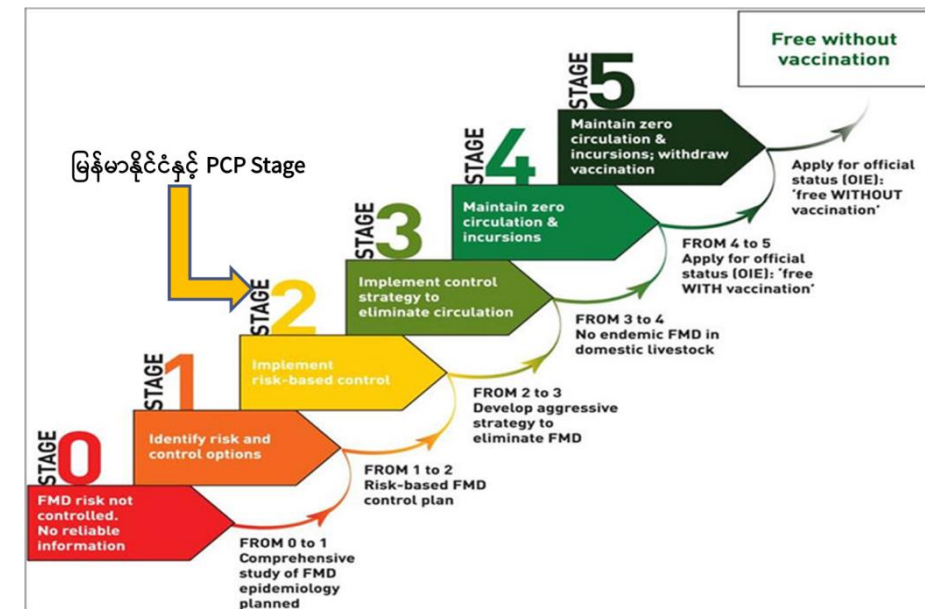
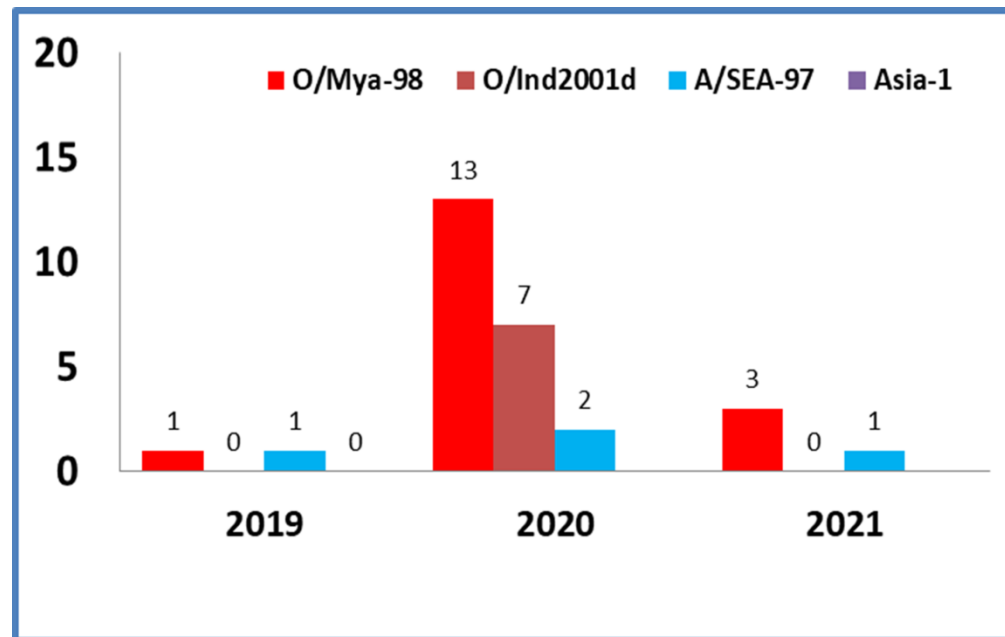
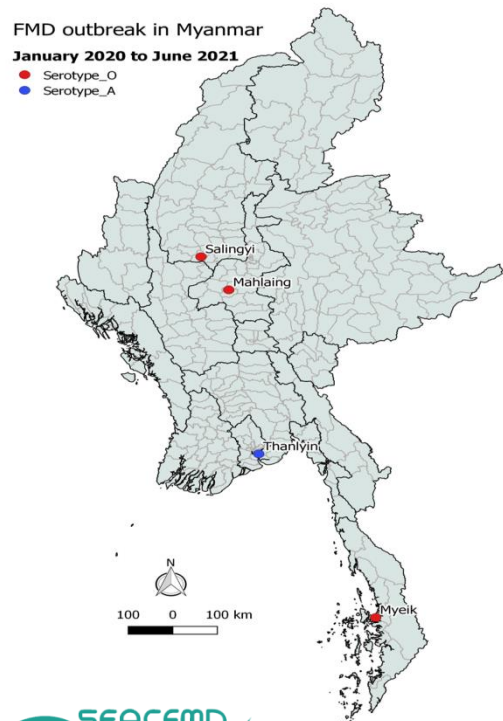
Name of Presenter: Dr Min Thien Maw

Position: Director

Affiliation: Livestock Breeding and Veterinary  
Department

# FMD situation in 2021

- There were 4 outbreaks from January 2021 to Dec 2021, of which there are 3 O-type and 1 A-type
- Current PCP-FMD stage of Myanmar is Stage- 2. Target in December 2025 is PCP stage -3.



# Key FMD Prevention and Control strategies

## Key Strategies

- 1) Addressing FMD at source
- 2) Establishing and expanding zones with reduced FMD incidence, and
- 3) Protecting and maintaining areas which are FMD free

## 1. Technical activities

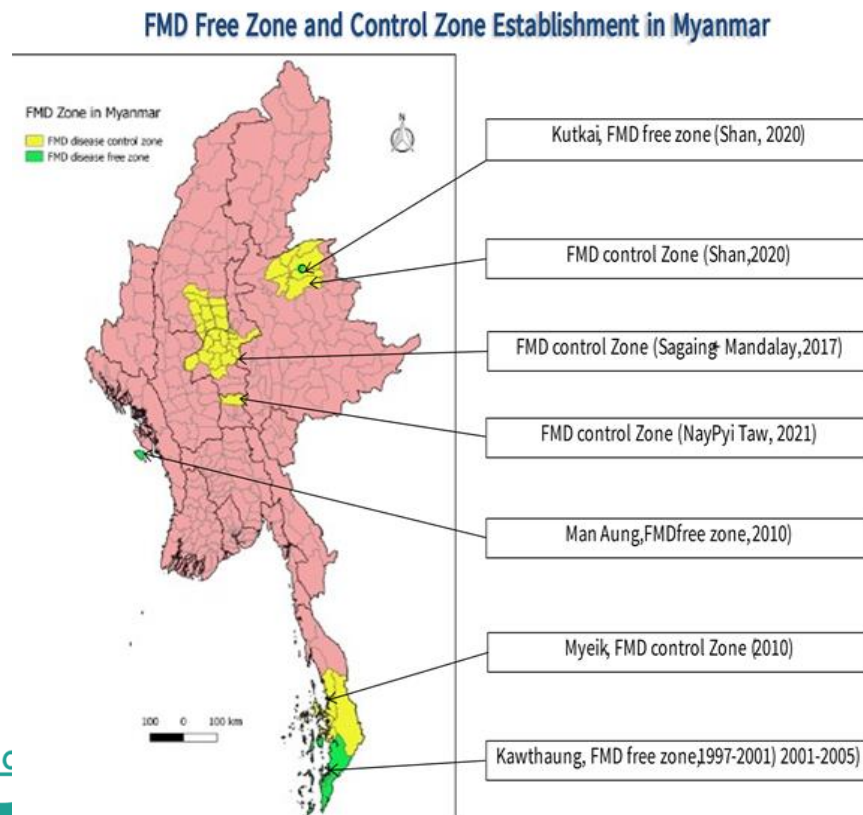
- (a) identification of and immediate response to foci of FMD infection,(b) elimination of the source of FMD, (c) prevention of spread of FMD, and (d) protection of susceptible hosts

## 2. Communication and advocacy activities

- (a) increased cooperation in FMD prevention and control, (b) improved capacity of the veterinary services in behavior change communication and advocacy, (c) creating awareness and securing the support of veterinary services, donors, NGOs and other development partners

## 3. coordination mechanism

- (a) National and Sub-National levels, as well as (b) regional and international levels
- (b) Monitoring and evaluation



# Key FMD Prevention and Control strategies

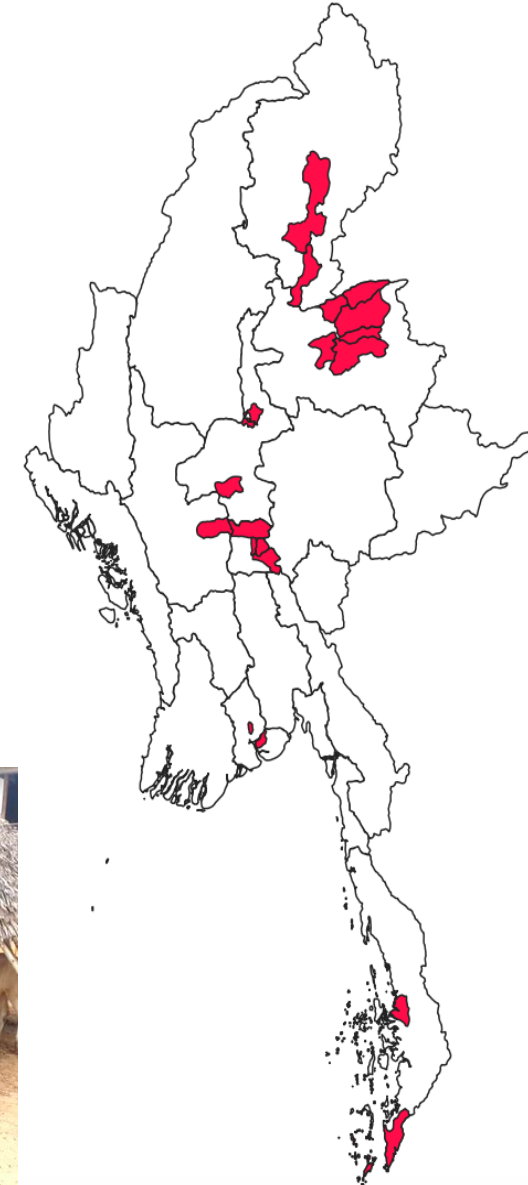
## Surveillance

➤ Serosurveillance was conducted as follows;

State/ Region	township	Species	Sample type	No. surveillance	No. of sample	NSP antibody for O
6	10	cattle, buffalo	Serum	10	1413	30%

## Vaccination

- Continued 8<sup>th</sup> round Dry Zone FMD vaccination project using government budget
- 345,361 animals were FMD vaccinated in 2021 achieving (80%) coverage



# Key FMD Prevention and Control strategies

## Main responses implemented to rapidly control FMD outbreak

- (1) quarantine of the suspect premises,
- (2) sample submission to the laboratory
- (3) outbreak area officially defined to strictly control animal movement (Zoning)
- (4) animal check point set up
- (5) ring vaccination
- (6) outbreak investigation
- (7) cleaning and disinfection
- (8) Communication Awareness and education
- (9) surveillance



 **တိရစ္ဆာန် ခွာ နာ လျှာ နာ ရောဂါ ကင်းရှင်းရေးရန်** 

သင့်တိရစ္ဆာန်ကို ကာကွယ်ဆေးထိုးပြီးပြီလား။ နားကပ်အမှတ်အသား တပ်ပြီးပြီလား။  
Na Du Sat Hpe Kakoi Tsi Htu Ngut Sai Kun? Na Kaw Masat Masa Shakap Du Sai Kun?  
တူဝ်သတ်းသူ လီးထုဝ်းစိမ်ရှေ့ ဝိုယဝ်ဂှါ. ?တီးတူဝ်သတ်းသူ မိ၊တွဝ်းဝိုယဝ်ဂှါ. ?  
ခေင်းကျမာက်ပွဲ ထိုးဒဲ,ဟာ့ဆီနာမ်း၊ ပတ်ကဲဒဲ,ဟာ့ပလေတိုင်းချိုက်ကွဲ  
你们的动物打过以防针后佩戴耳标

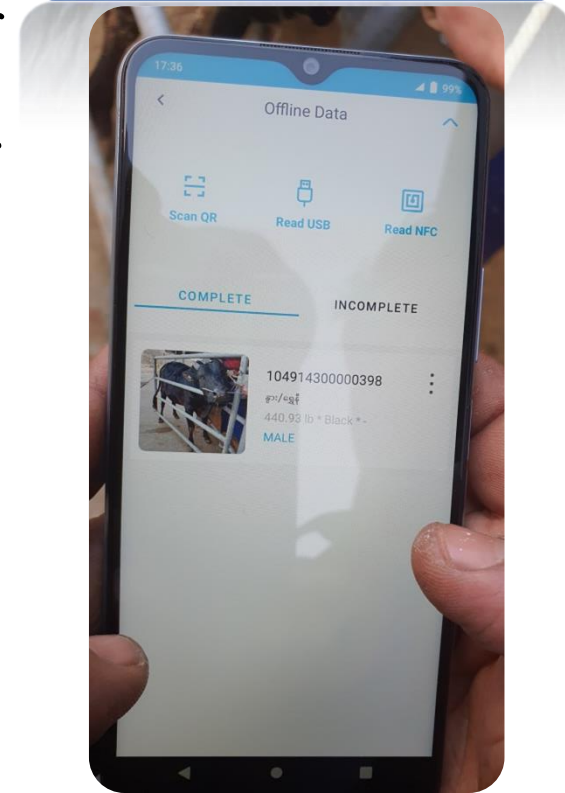


**မန်နောင်ကျေးရွာ** **ကွတ်ခိုင်မြို့နယ်**

# Key FMD Prevention and Control strategies

## Animal movement Control and Traceability

- Bilateral agreement between Myanmar and China for “Protocol for quarantine health requirements for slaughter bovine to be exported from the Union of Myanmar to PR China” on 18-1-2020.
- Order for important commodity and movement control of cattle and buffalo was issue as no. 30/2020 issue in Mar 2020.
- Directive no.5/2020 was issued for control of domestic movement of cattle and buffalo.
- Animal movement was controlled by animal Identification



# Key FMD Prevention and Control strategies

## *Communication and awareness*

- Using Viber application, FMD prevention and control group was set up including central, state/region, district, township and Participatory Rural Appraisals (PRA).
- We conducted Participatory Rural Appraisals awareness activities in person as follows;

S r.	State/Region	Township	No. activities	Participants	Pamphlets
1	15	92	18,44	35,544	35,544



# Key FMD Prevention and Control strategies



## *Governance and legislations*

- Animal Health and Livestock Development Law as issued as 13/2020.

## *National FMD Prevention and control Plan*

- Myanmar is going to implementing Zooning approach in FMD control particularly in trade-based areas as Phase I.
- National FMD control plan (including RBSP), was aligned with SEACFMD 2021 road map and inline with Global control Strategy.
- FMD Plan endorsed by minister for Ministry of Agriculture, Livestock and Irrigation with a budget allocation is under submission.



# Main challenges and recommended solution

Challenges	Solution
Vaccination activities in the midst of COVID pandemic	Veterinary paraprofessionals (CAHW)
FMD prevailing strains	Virus typing at reference laboratory (Serotype vs topotype)
Sustainable funding	PPP (private participation), Advocate to union minister
shortage in human resources	Recruit with participation of private vet and all sectors
Routine vaccination	Recruit with Community Animal Health Worker
Termination of OIE- FMD New Zealand Project	-
Availably of vaccine to achieve targeted coverage	-
Reporting and active surveillance is poor due to covid-19	IT mechanism and online virtual system
Reluctance of Farmer to use animal Identification	Participatory Rural Appraisals will be conducted Insurance system linked with animal Identification system will be conducted.

# Way forward-Future activities

## ➤ Progressive Zoning and Safer Trade

- Establishing Disease Free Zooning, Control Zone with vaccination practice in trade-based areas.
- Mutual recognition of DFZ, AQS with GACC (PR China)

## ➤ Communication

- Using IT application (e.g Viber application, facebook),
- RRT was set up including central, state/region, district, township, reporting

## ➤ Vaccine

- 1 million doses vaccine plant will be encouraged to be completed.
- Vaccine procurement, FMD virus typing, molecular technology support from OIE

## ➤ Surveillance

- Active and passive surveillance, Post Vaccination Monitoring, outbreak investigation

## ➤ Traceability

- movement control upgrading microchip ear tagging for safer trade

## ➤ Laboratory

- Capacity building, technical support from OIE or any donor collaboration





Thank You