



Country Presentation

FMD Situation and its Prevention & Control

Country name: Myanmar

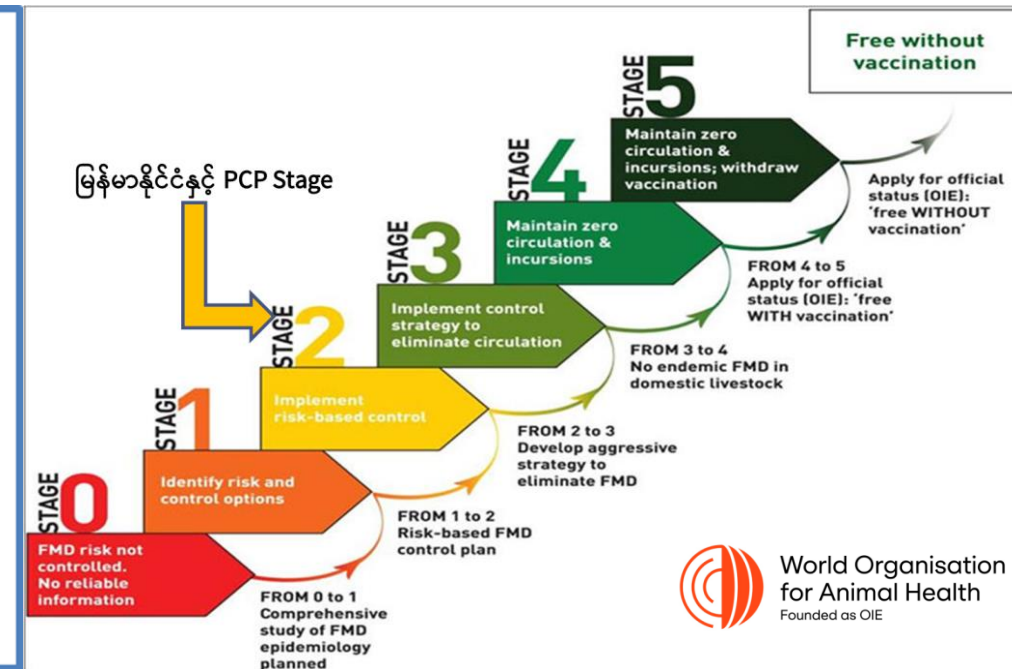
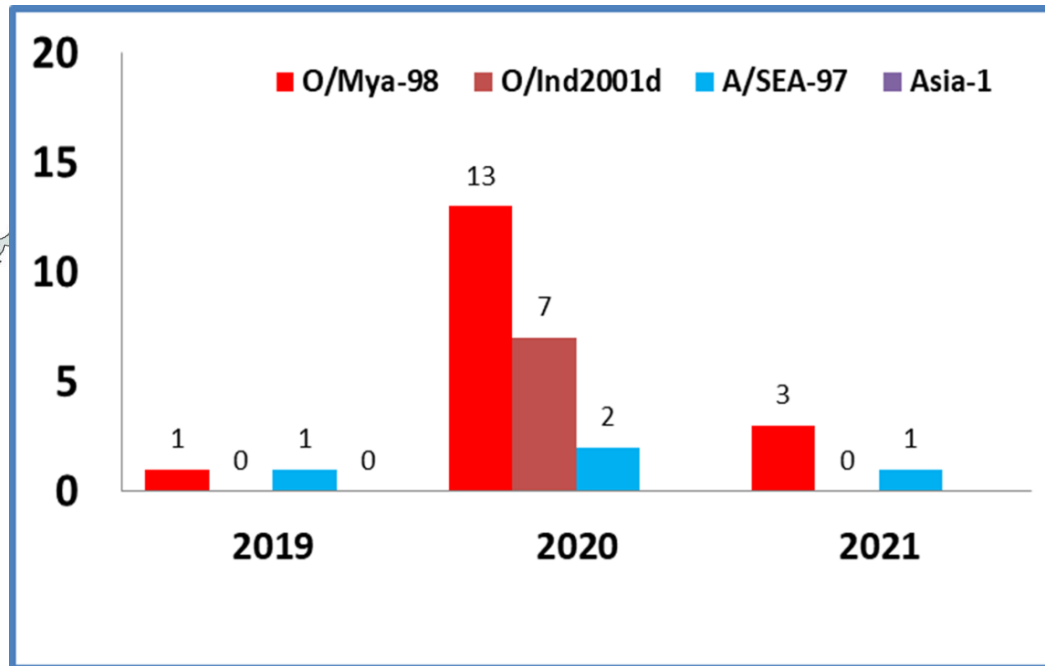
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Position: Director General

Affiliation: Livestock Breeding and Veterinary Department

FMD situation in 2022

- There were 4 outbreaks from January 2021 to Dec 2021, of which there are 3 O-type and 1 A-type
- No reported FMD in 2022
- Currently Myanmar is PCP Stage- 2. Target in December 2025 is PCP stage -3.



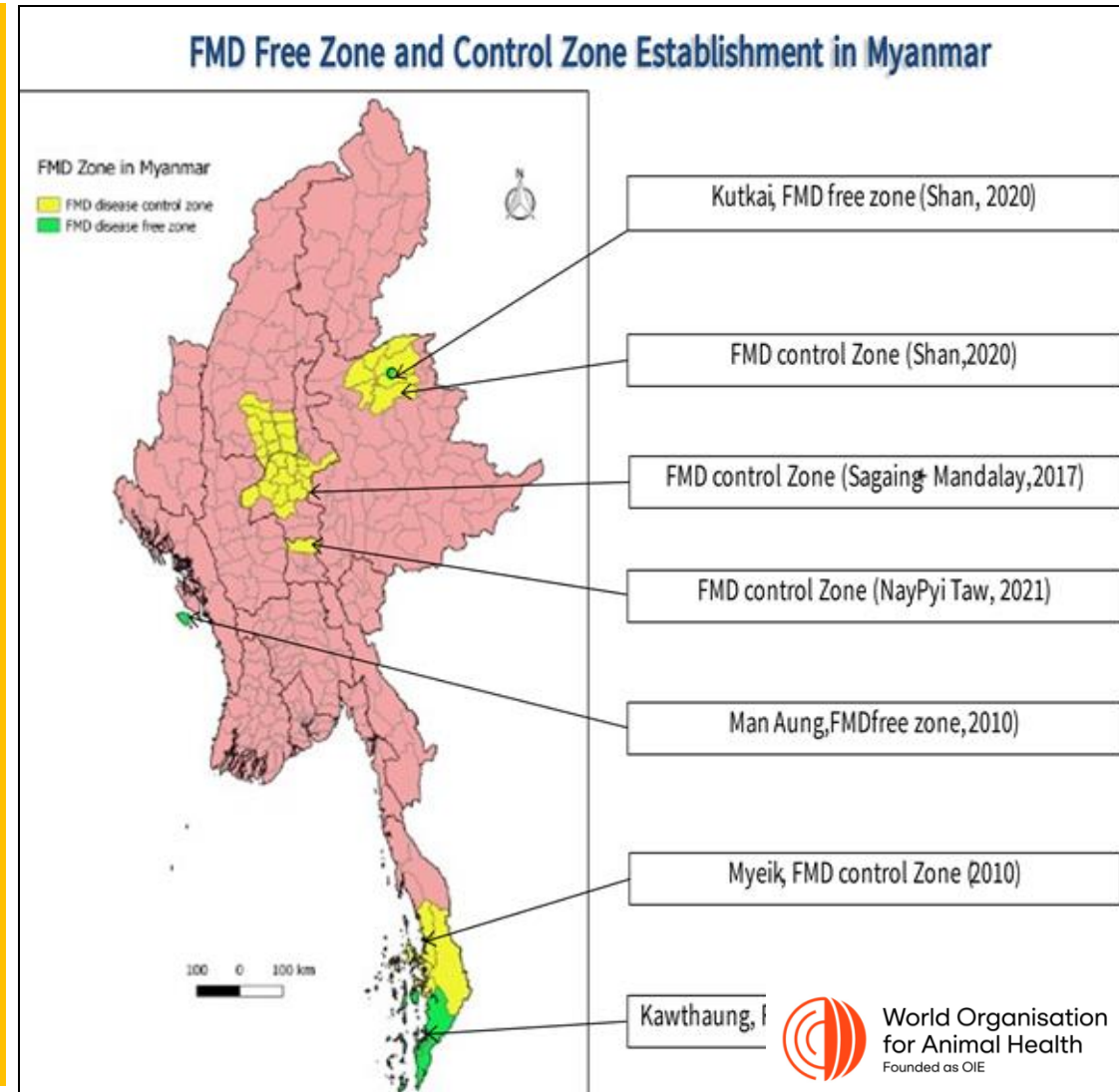
Key FMD Prevention and Control strategies

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

Strategic Activities

1. Vaccination
2. Surveillance
3. Reporting and Rapid Response
4. Awareness and Education
5. Biosecurity
6. Movement Control
7. Traceability by animal identification
8. Zoning



Key FMD Prevention and Control strategies

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

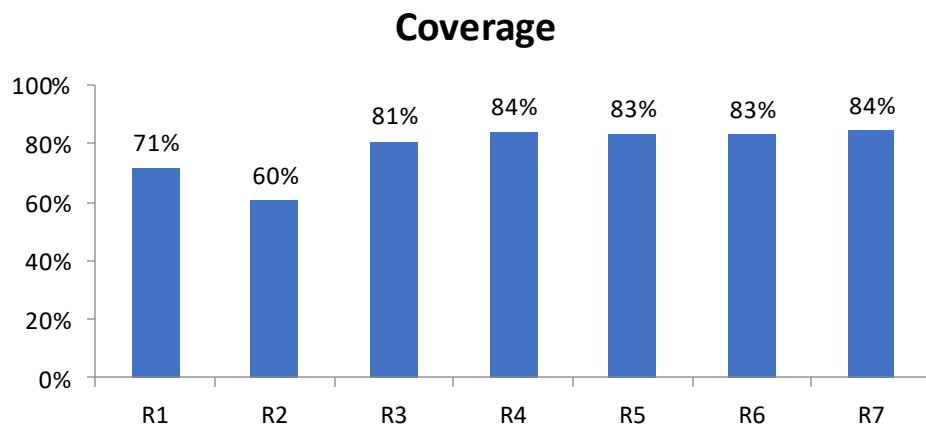
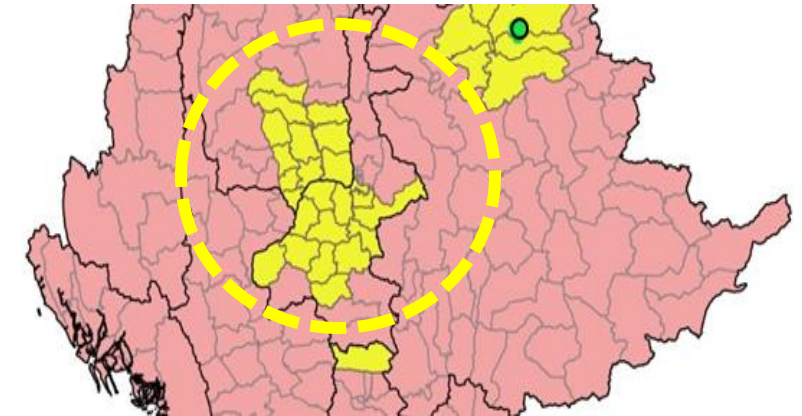
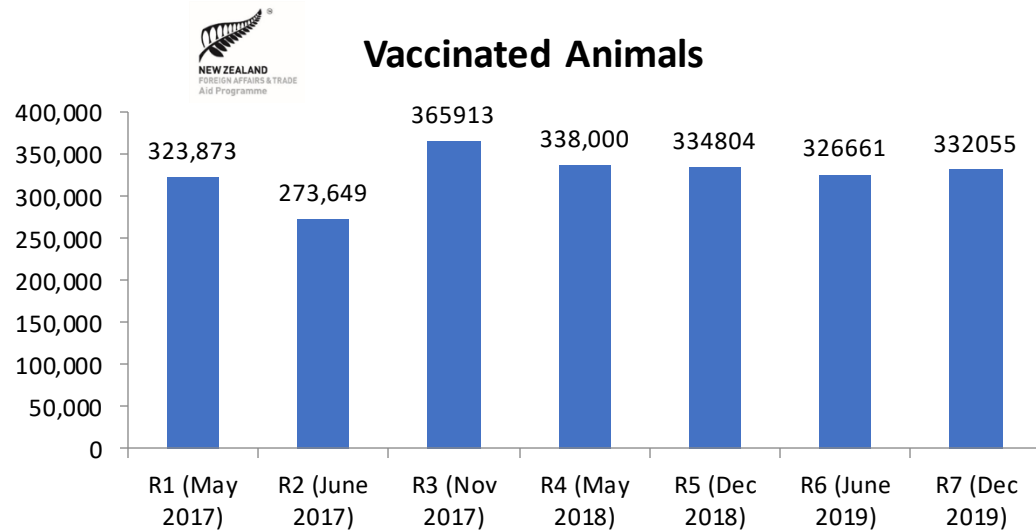
2. Communication and advocacy activities

- (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
- (b) regional and international levels
- (c) Monitoring and evaluation

FMD Prevention and Control – Progress of the Campaign



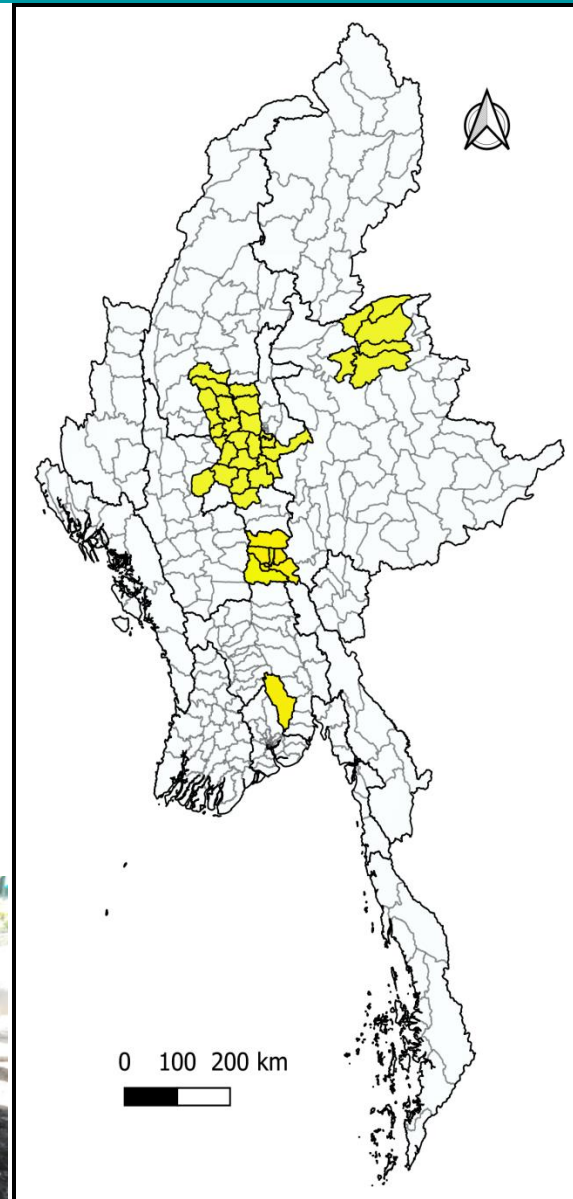
Vaccination



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

FMD Prevention and Control – Progress of the Vaccination Campaign

Sr	Location	Year	FMD dose	Coverage
1	Central Dry Zone (24 township- 8 round)	2021	345,361	80.0%
2	Nay Pyi Taw (8 township) FMD control Zone	2021	13899	70.0%
3	Kutkai FMD free zone	2021	4166	86.0%
4	Kutkai FMD protection zone	2021	1959	77.0%
5	Kutkai FMD control zone	2021	46218	79.0%
6	Nay Pyi Taw (8 township)	2022	43705	82.67%
7	Kutkai FMD free zone	2022	1327	87.3%
8	Kutkai FMD protection zone	2022	continue	
9	Kutkai FMD control zone	2022	57905	81.0%
10	Bago FMD control zone	2022	4179	90.0%

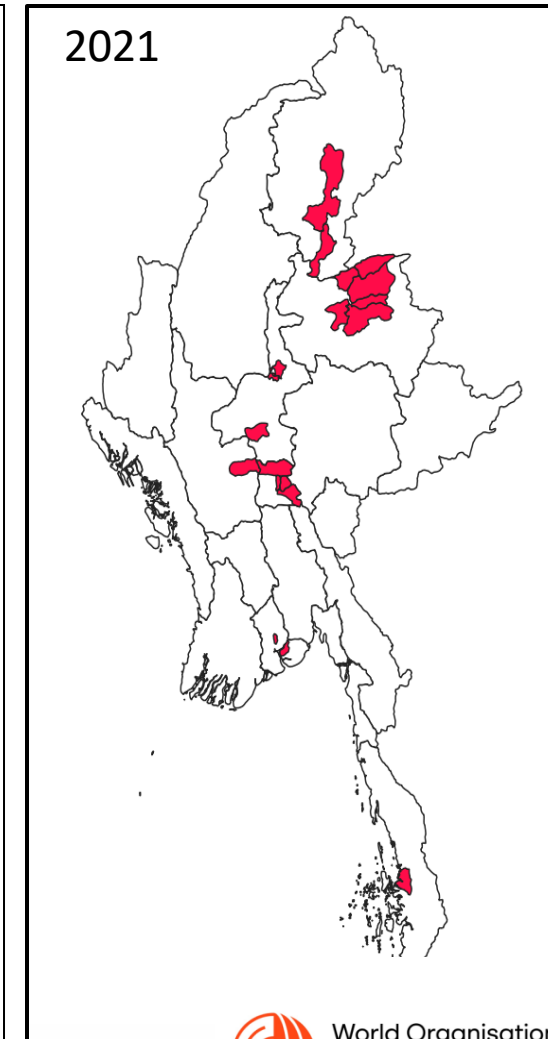
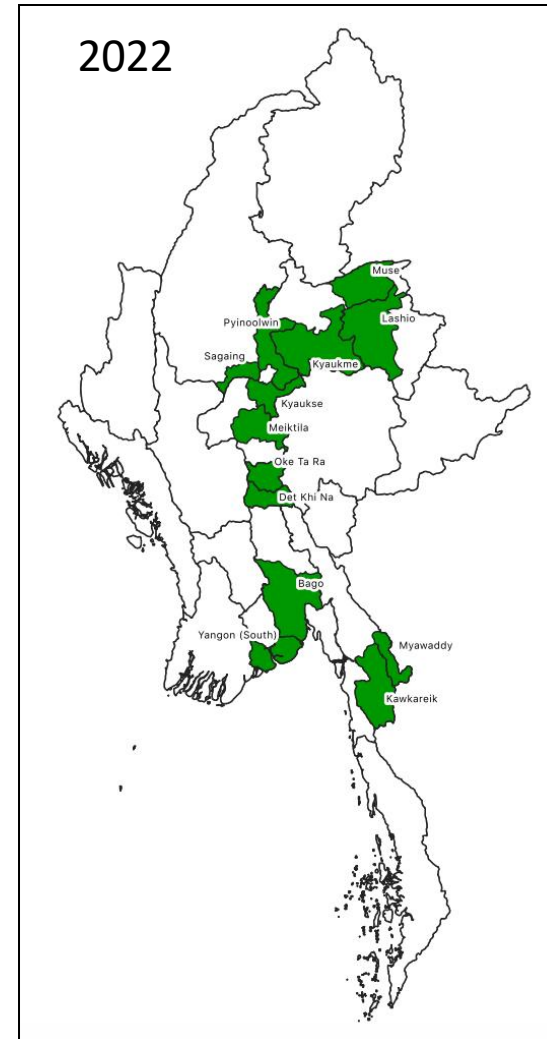


FMD Prevention and Control – Progress of the Campaign

Surveillance

➤ Serosurveillance was conducted as follows;

Year	State/ Region	township	Species	Sample type	No. surveillance	No. of sample	NSP antibody for O
2021	7	53	cattle, buffalo	Serum	10	5000	30-40%
2022	6	67	cattle, buffalo	Serum	67	7329	40.37%



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



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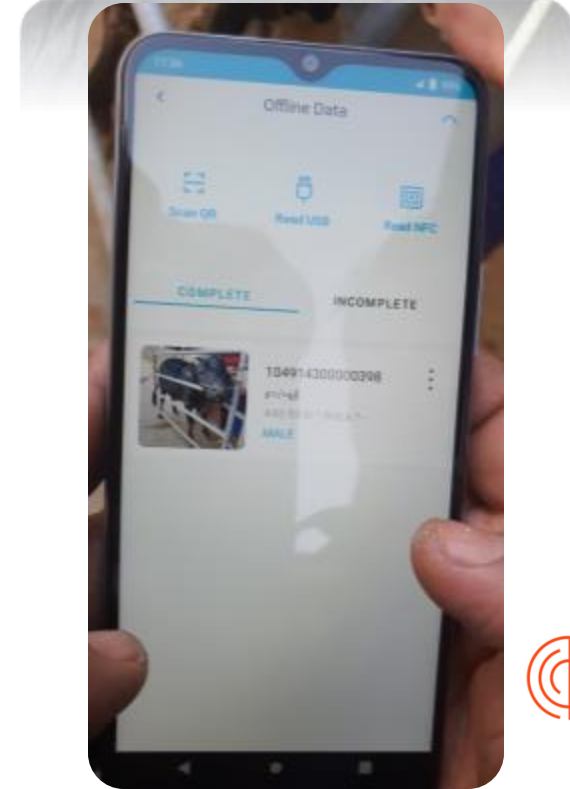
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你们的动物打过以防针后佩戴耳标

မန်နေဂျာ **ကွတ်ဒိုင်ဂြိုဟ်**

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.
- Animal movement was controlled by animal Identification
 - Microchip ear tag



Key FMD Prevention and Control strategies



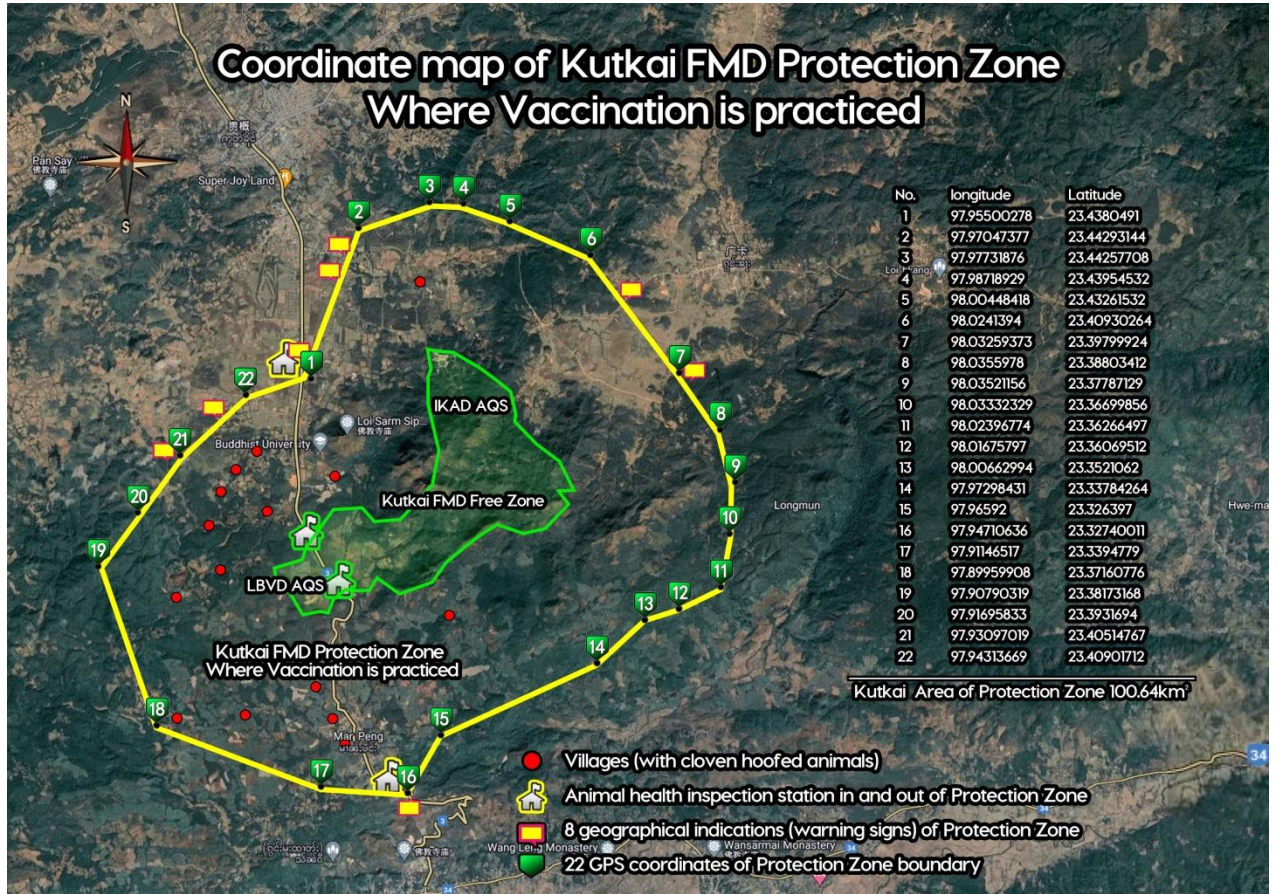
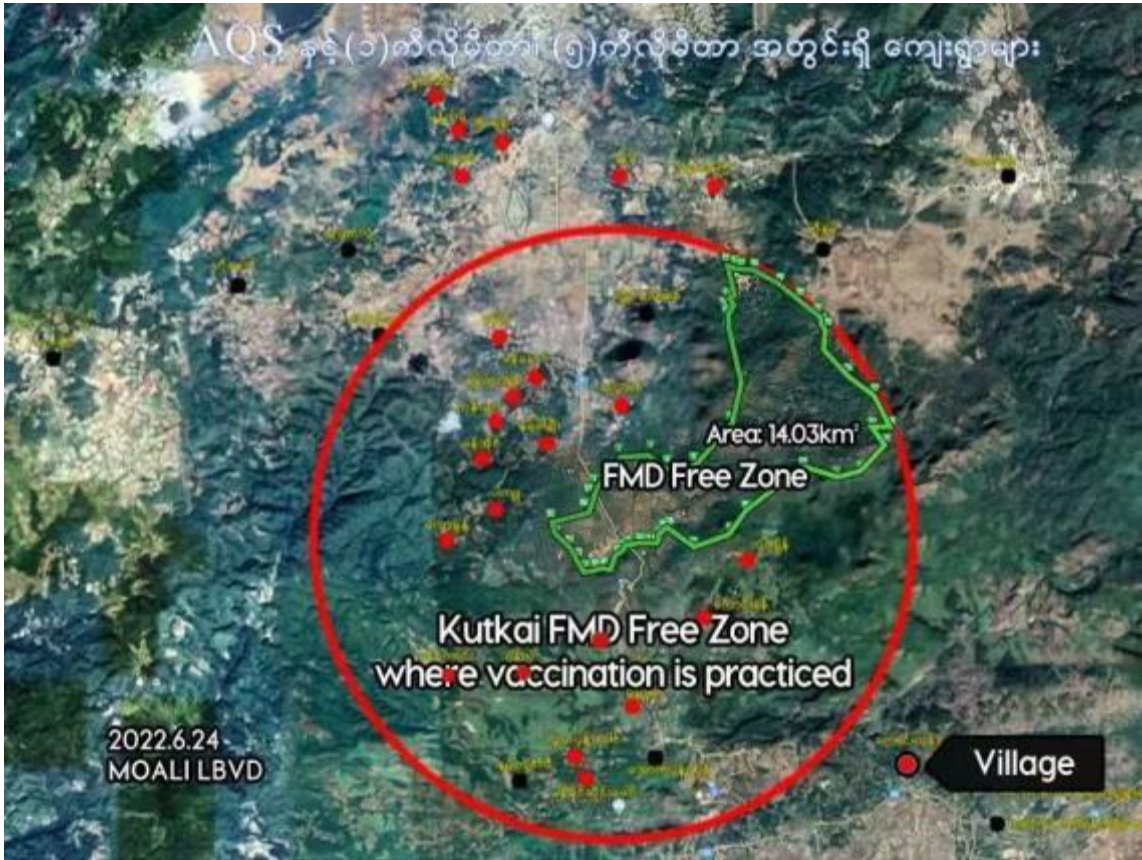
Governance and legislations

- 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.

Establishment of FMD Free Zone Where Vaccination is Practiced



Main challenges and recommended solution

Challenges	Solution
Vaccination activities in the midst of COVID pandemic	Trained 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	Participation of private vet and all sectors
Routine vaccination	Participating Community Animal Health Worker CAHW
Termination of OIE- FMD New Zealand Project	- Seeking International Partners
Availability of vaccine to achieve targeted coverage	- Limited in-country production (300,000) dose only
Reluctance of Farmer to use animal Identification	Participatory Rural Appraisals will be conducted Insurance system linked with animal Identification system will be conducted.
FMD Free Zone , Control Zone	Mutual recognition

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 (JICA Project)
- Vaccine procurement, FMD virus typing, molecular technology support from WOA

➤ Surveillance

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

➤ Traceability

- movement control upgrading microchip ear tagging for official trade and border trade

➤ Laboratory

Capacity building, technical support from WOA or any donor collaboration





Thank You