

## FMD Situation

June 2018 FMD free area with vaccination for Kinmen

June 2020 FMD free area without vaccination for Taiwan, Penghu, Matsu



## KEY STRATEGIES IMPLEMENTED TO REGAIN FMD FREE STATUS

### Confidence to Stop Vaccination

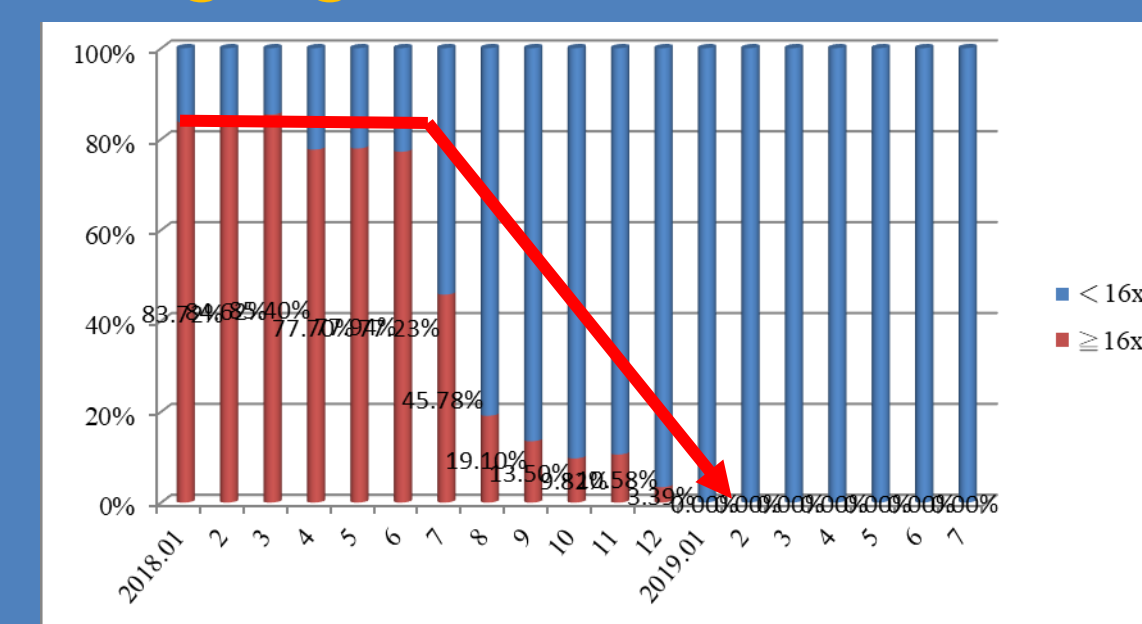
Before cessation of vaccination, in the zone covering Taiwan, Penghu and Matsu:

1. FMD vaccination rate in cloven-hoofed animals exceeded 90% in the zone.
2. FMD immunization coverage rate at farms exceeded 80% in the zone.
3. Test results of Co-habitation test, the environmental samples collected from pig auction markets and pig slaughterhouses as well as sentinel pig experiments all indicated that FMD virus was eliminated from this zone.

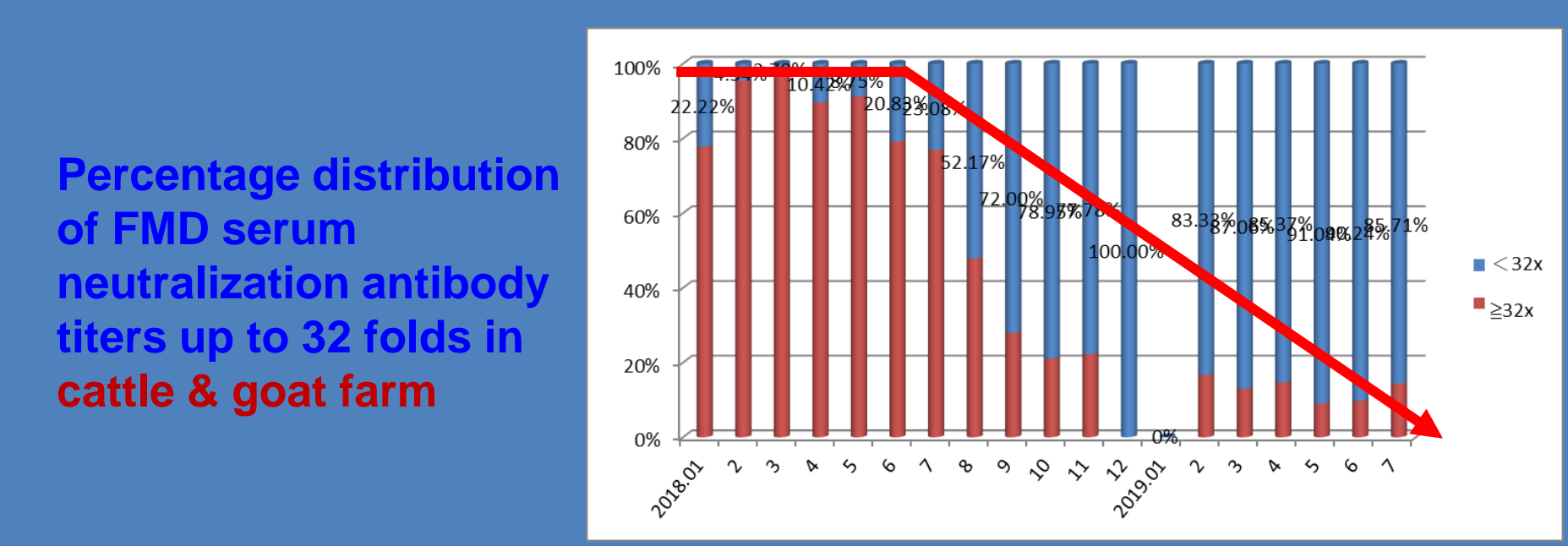


### Measures After Stopped Vaccination

1. Serological surveillance for
  - (1) VNT
  - (2) NSP reactors followed by clinical investigation
2. Surveillance of Wild even toed ungulates



Percentage distribution of FMD serum neutralization antibody titers up to 16 folds in pig farm



Percentage distribution of FMD serum neutralization antibody titers up to 32 folds in cattle & goat farm

## PREVENTION & PREPAREDNESS STRATEGIES TO MAINTAIN FMD FREE STATUS

### Active Surveillance (On-farm)

- Clinical inspections
- Serological testing: 600 pig farms and 300 ruminant farms per year 15 serum samples per farm based on epidemiological principle

### Active Surveillance (Auction market)

- Clinical inspections
- Serological testing for NSP antibody on a daily basis 1-2 animals per original farm around 20 thousands samples/year

### Passive surveillance

- Clinically suspected cases are traced back to the original farm to conduct:
- Movement restriction
  - Follow-up serological and virological sampling and testing

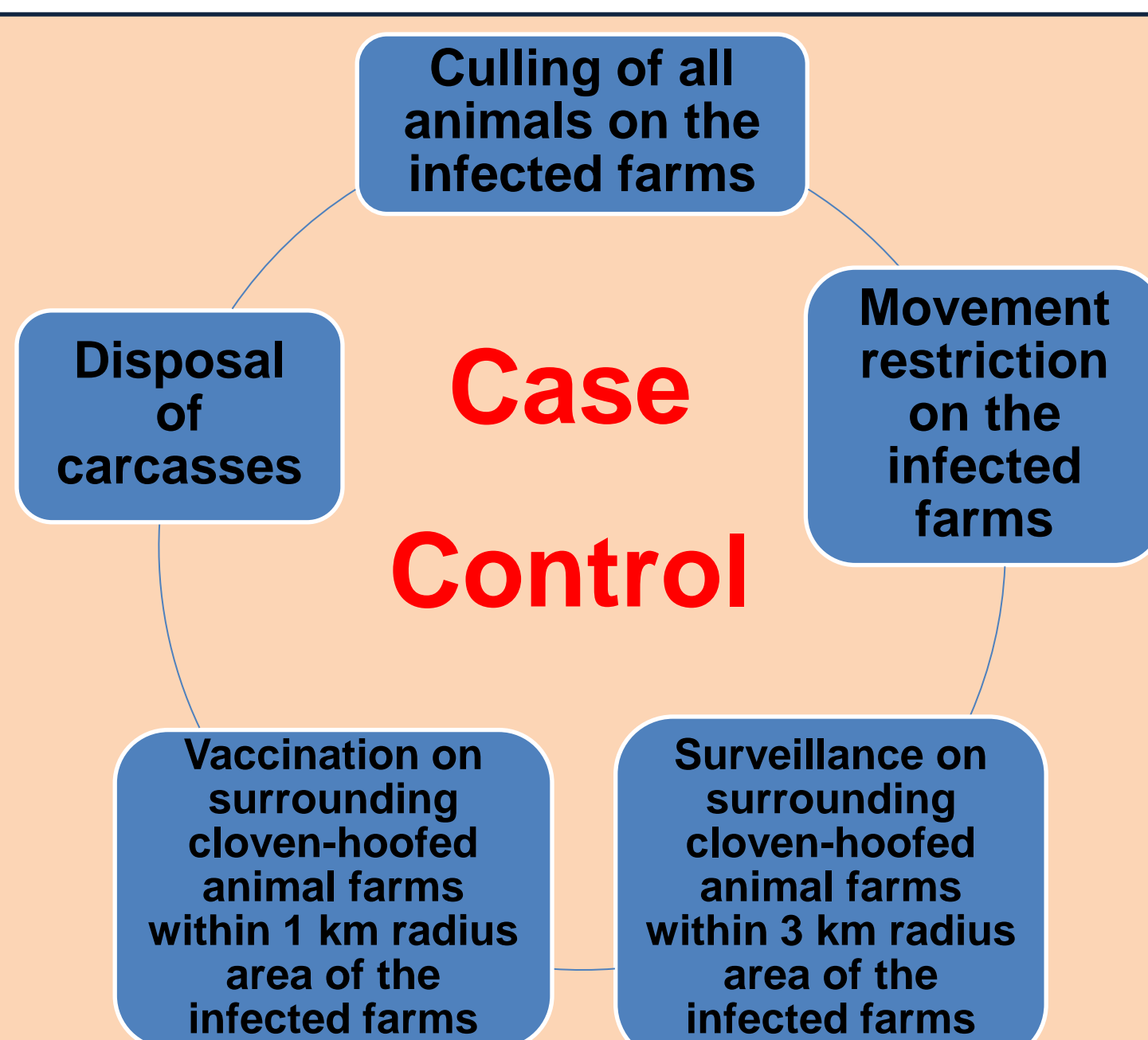


### Other Prevention Measures

- **Application of biosecurity principles at the farm level :**
  - On and off farm control
  - Personal and vehicle biosecurity: Changing outer clothes and footwear when moving between different buildings, with the frequent use of disinfection baths and separate equipment
  - Routine cleaning and disinfection
  - Selective purchasing and quarantine
  - Self monitoring and reporting suspected cases
- **Application of vehicle control through disinfection of transporting vehicles and establishments at auction markets and slaughterhouses**
- **Transporting vehicles are equipped with GPS**
- **Awareness program and education for farmers and stakeholders**



## Constraints and Solutions



### Future activities

Continuous surveillance (Serological and Clinical)

Education of the farmers

Improve biosecurity level on farm

Continue to strengthen Inspection of borders

