



World Organisation
for Animal Health



SEACFMD EPIDEMIOLOGY NETWORK MEETING

COUNTRY REPORT: China

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*13-15 May 2025,
Qingdao, People's Republic of China*

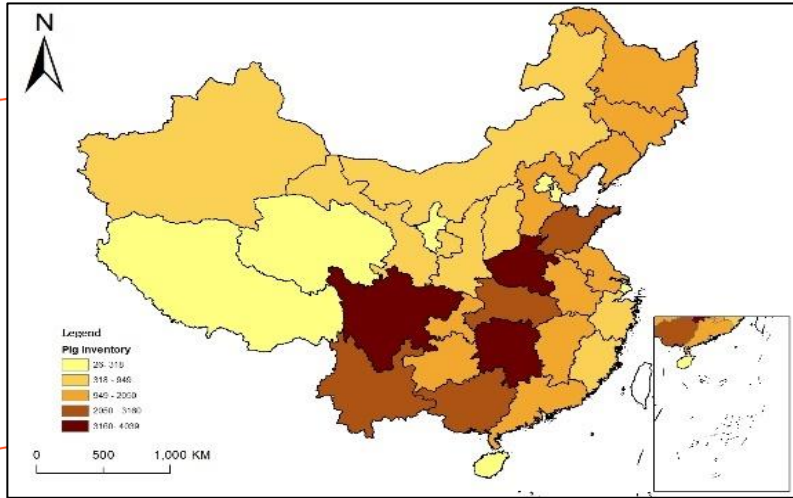


Outline of the Presentation

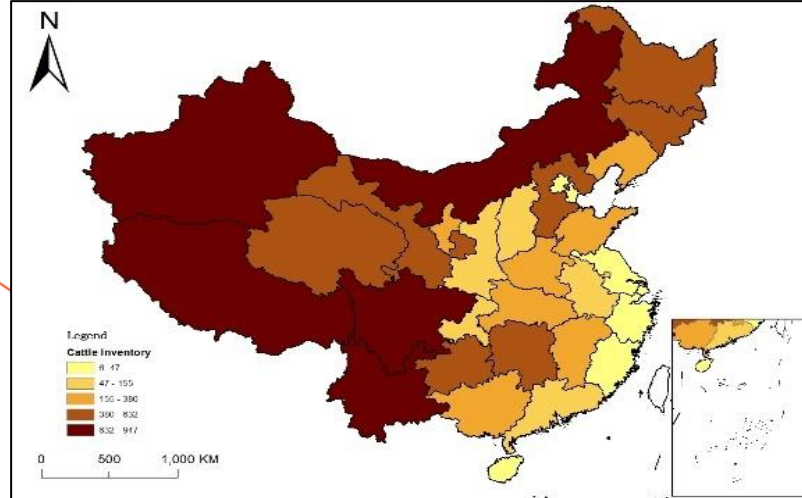
- FMD situation
- FMD Epidemiological activities
- FMD control measures
- Constraints and possible solution
- Priorities and Future Plans



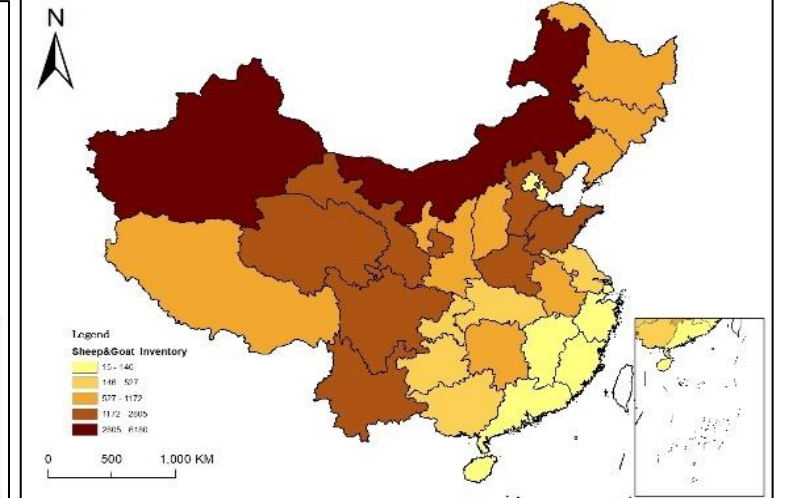
Livestock production, 2023



Pig inventory
434.223 million



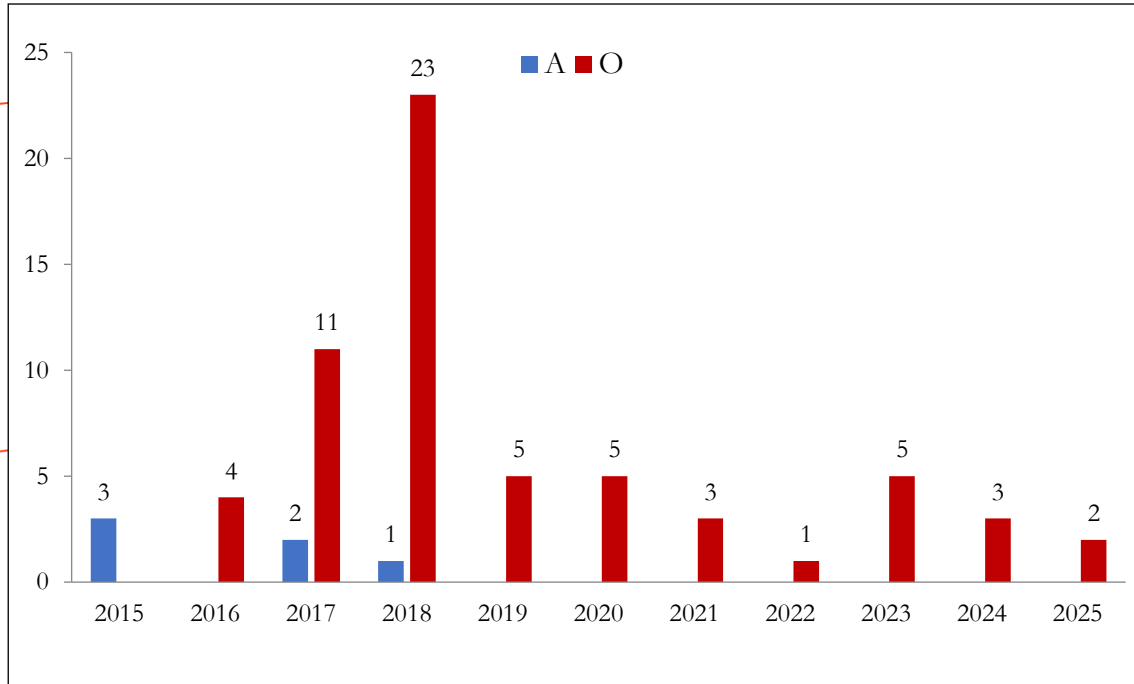
Cattle inventory
105.085 million



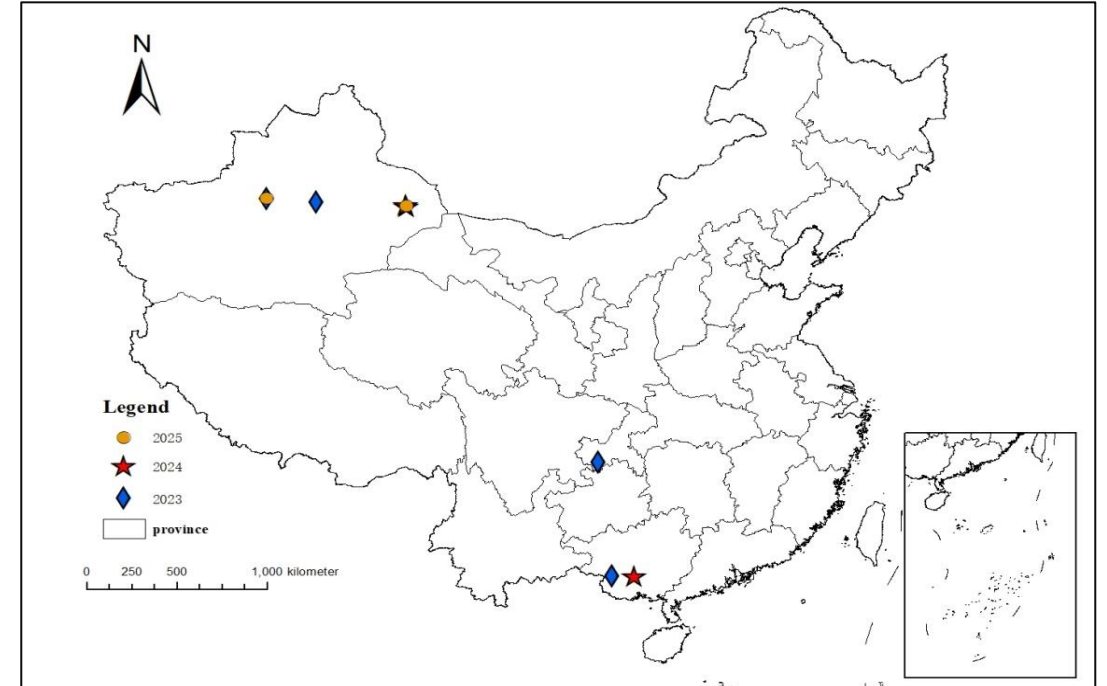
Sheep/goat inventory
322.326 million



FMD situation



Temporal distribution, 2015.1-2025.5



Spatial distribution, 2023.1-2025.5



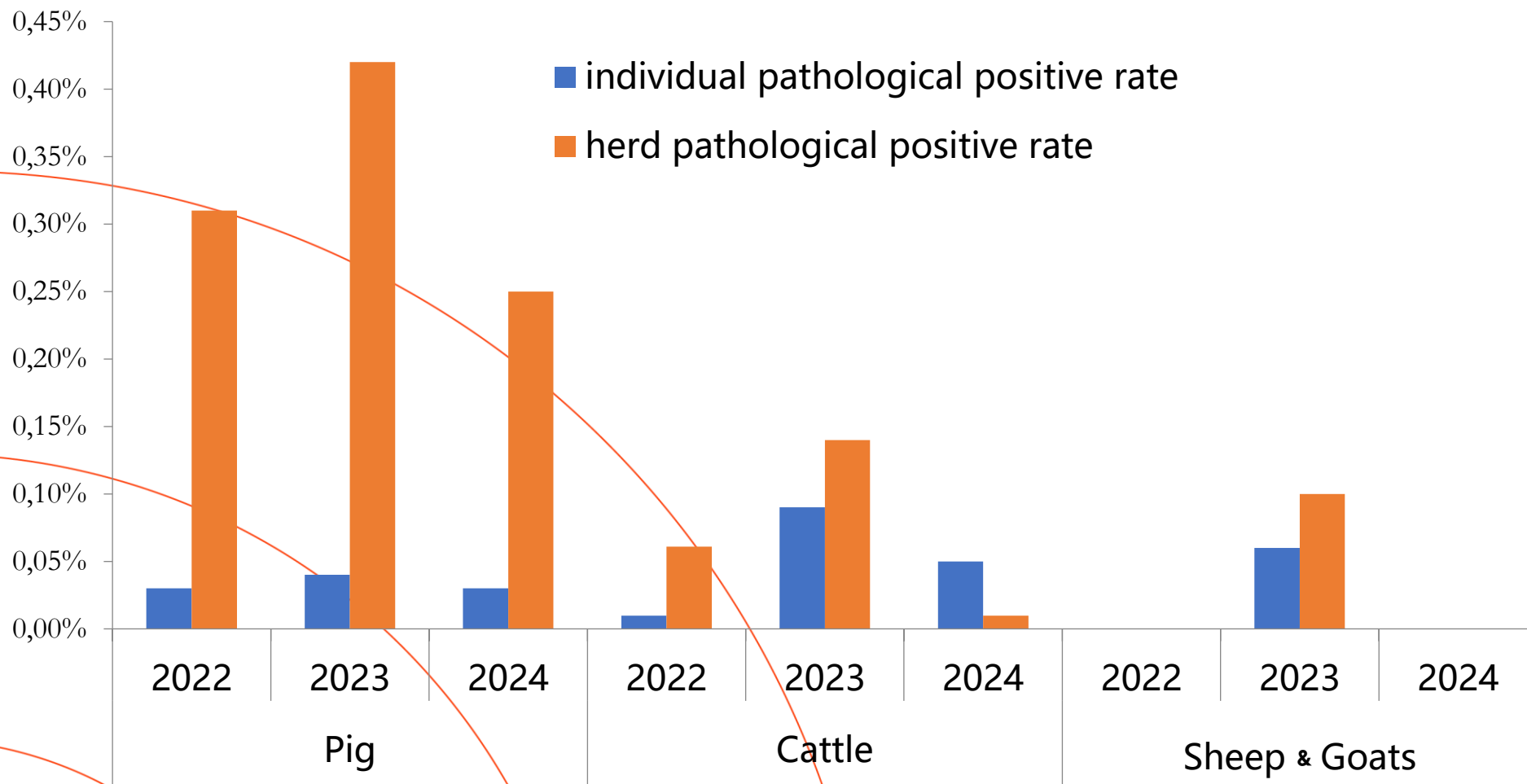
FMD situation

Details of FMD outbreaks in China in last two years

Report Date	Location	Type	Strain	Species	Susceptible	Cases	Deaths	Destroy
2023/3/27	Chongzuo, Guangxi	O	Ind-2001	Cattle	79	1	0	80
2023/4/13	Kuche, Xinjiang	O	Ind-2001	Cattle	12	6	0	18
2023/5/12	Heshuo, Xinjiang	O	Ind-2001	Cattle	35	8	0	43
2023/12/09	Qijiang, Chongqing	O	Ind-2001	Pig	156	7	0	163
2024/09/26	Hami, Xinjiang	O	Ind-2001	Cattle	106	7	0	113
2024/10/22	Hami, Xinjiang	O	Ind-2001	Cattle	188	2	0	190
2024/11/3	Nanning, Guangxi	O	CATHAY	Pig	10	10	0	20
2025/2/26	Kuche, Xinjiang	O	Ind-2001	Cattle	121	4	0	125
2025/3/7	Hami, Xinjiang	O	Ind-2001	Cattle	72	1	0	73



FMD surveillance





FMD surveillance

Post-Vaccination Surveillance (Nov 2023 – Oct 2024)

Animal	Serum	Up to standard	Qualification rate
Pig	1,750,959	1,597,853	91.25%
Cattle	1,387,556	1,278,837	92.16%
Sheep/goat	1,682,732	1,514,954	90.03%
Total	4,821,247	4,391,644	91.09%



FMD epidemiological activities



- Epidemiological investigations were conducted for all outbreaks.
- Most outbreaks were linked to live animal movement.



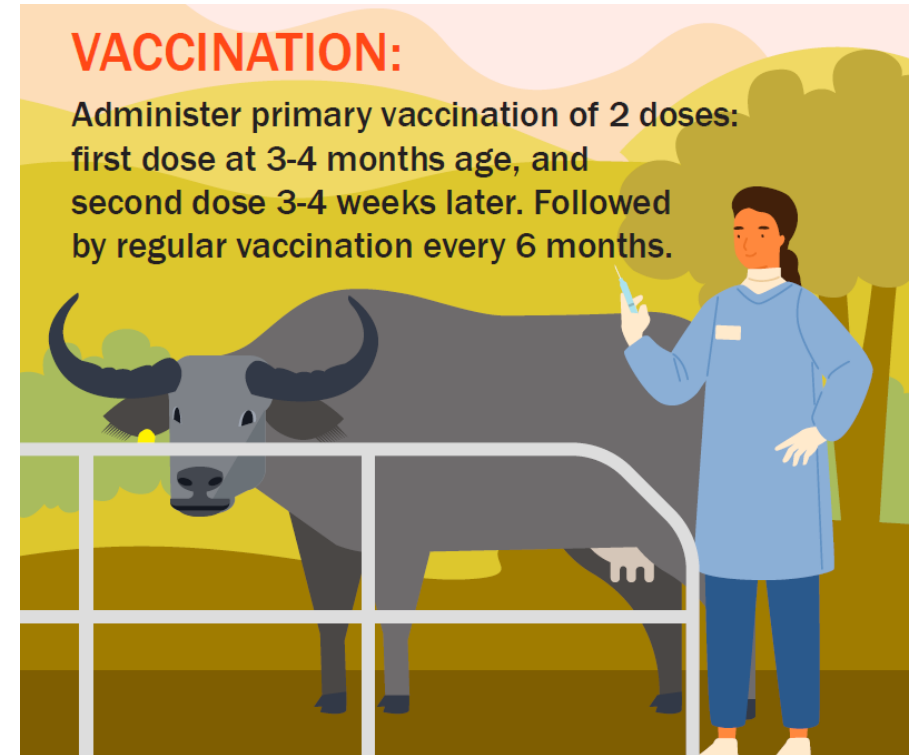
FMD control measures

➤ Strategy

- Comprehensive prevention and control measures that focus on prevention, and combine vaccination with culling

➤ Key measures:

- Vaccination
- Enhancing Biosecurity
- Surveillance
- Epidemiological investigation
- Movement control
- Culling and safety disposal
- Zoning and Compartmentalisation



Source: SEACFMD, WOAH



FMD control measures

➤ Vaccination

- All cattle, sheep and goats, camels and deer: Type O and type A
- All pigs: Type O
- Pigs vaccinated type A: Determined by each province
- Operational farm self-inoculated
- Backyard farm inoculated by local veterinarians



MARA issued guidance on
FMD vaccination



FMD control measures

➤ Biosecurity

- Infrastructure Establishment
- Sanitation, Disinfection and Safe Carcass Disposal
- Biosecurity Husbandry Practices:
 - All-in All-out Production
- Enhance Biosecurity Personnel Protocols
 - Access Restriction、PPE Compliance





FMD control measures

➤ Surveillance

- Provincial CADC and local laboratories
 - Clinical surveillance
 - Serology surveillance
 - Pathogenic surveillance
- FMD Reference Laboratory
 - Confirmatory testing of samples
 - Tracking the variation of FMD virus
 - Surveillance in northeast, northwest, border areas in southwest, FMD free zone with vaccination

农业农村部文件

农牧发〔2021〕11号

农业农村部关于印发《国家动物疫病监测与流行病学调查计划(2021—2025年)》的通知

各省、自治区、直辖市及计划单列市农业农村(农牧、畜牧兽医)厅(局、委),新疆生产建设兵团农业农村局,部属有关事业单位,各有关单位:

为做好非洲猪瘟等动物疫病防控,持续加强监测和流行病学调查工作,我部组织制定了《国家动物疫病监测与流行病学调查计划(2021—2025年)》,现印发你们,请遵照执行。

农业农村部
2021年4月13日

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FMD control measures

➤ Disease Notification and Confirmation

- Any suspected FMD outbreak should be immediately reported to the local veterinary authority, animal health supervision agency, or animal disease prevention and control agency.
- At Upon receiving a report, if the local animal disease prevention and control agency identifies a clinically suspected outbreak:
 1. Report to the provincial-level animal disease prevention and control agency **within 2 hours** through official channels;
 2. Simultaneously notify the veterinary administrative department of the local government;



FMD control measures

➤ Emergency response

- Suspected epidemic reports, quarantine and monitoring measures will be implemented
 - Prohibiting the movement of livestock, livestock products, feed, and related items
 - Implementing temporary disposal measures
- Immediate tracking and investigation shall be carried out on possible sources of infection
- Disinfected and safety disposal
 - Contaminated or suspected contaminated items





FMD control measures

➤ Movement control

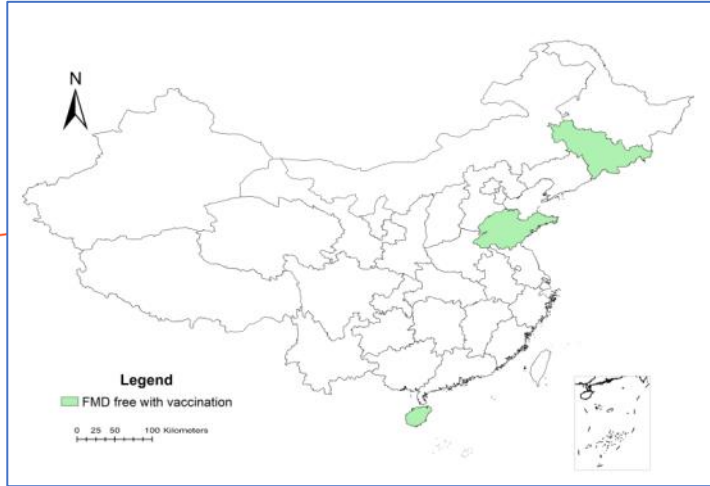
- For accepted quarantine declarations, 100% of them will undergo on-site quarantine at the place of origin as required.
- Official veterinarians will be dispatched to 100% of designated pig slaughterhouses to carry out slaughter quarantine.
- As of October 2023, All provinces in China have established electronic certificate issuance platforms.
- Among 2939 counties (districts), 2928 counties (districts) have implemented electronic certificate issuance within the province, accounting for 99.6%.



Electronic Quarantine Certificate



FMD control measures



• Zoning

- Dec 2009, Hainan province
- 2017, MARA issued the "Administrative Measures for the Free Zone from Specific Animal Diseases".
- Dec 2017, Jinlin province
 - Area: Yongji county → Jinlin province
- Aug 2022, Shandong province
 - Area: Jiaodong Peninsula → Shandong Province



• Compartmentalisation

- 2021, MARA issued the "Administrative Measures for the Compartmentalisation from Specific Animal Diseases".



Constraints and possible solution

➤ Constraints

- FMD situation in neighboring areas remains complex, with diverse FMD strains circulating. Coupled with long borders, it face great pressure on FMD prevention and control.
- Small households lack awareness of disease prevention and control.
- Live animals long-distance movement

- ◆ Further strengthen international cooperation and the exchange of epidemic information
- ◆ Encourage the farmers to improve biosecurity
- ◆ Strengthen the construction of FMD free zones and Compartmentalisations
- ◆ Further strengthen the control of the movement of live objects



Priorities and Future Plans

- Compulsory vaccination
- Surveillance and PVM, early warning
- Improve biosecurity on farms
- FMD free zone & Compartmentalisation



Thank You