

CHINESE TAIPEI

# **ENDING VACCINATION FOR CLASSIC SWINE FEVER**

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Abstract	CURRENT SITUATION OF CSF IN TAIWAN, PENGHU, KINMEN AND MATSU										
To eradicate CSF, the national CSF surveillance program was developed and started in 2021. The period from 2021 to 2022, over 20,000 pigs	<b>Confidence to Stop Vaccination</b>	2021-2023 Surveillance									
were sampled for active and passive monitoring, and no evidence of wild-type CSF was found. CSF vaccine has stopped completely since 1st July, 2023.	<ol> <li>Before cessation of vaccination, in the zone covering Taiwan, Penghu, Kinmen and Matsu :</li> <li>CSF vaccination rate in pig farms exceeded 90%.</li> <li>Sentinel pigs, pigs from farms, rendering plant carcasses, slaughterhouse pigs, breeding boar semen, wild boars, beached/abandoned carcasses were sampled between 2021 and 2023. So far, all test results are negative of CSF.</li> <li>Based on the above results, there are no signs of CSFV activity in the field, and an expert meeting deemed the risk of potential CSF epidemic to be extremely low. Considering the willingness of cooperation in the industry, the phasing out of swine fever vaccination was</li> </ol>	1. CSF Monitoring results during the years 2021-2023									
		Monitor type		2021-2022		Monitoring results 2023			(Unit: heads) TOTAL		
			Negative	Positive	Total	Negative	Positive	Total	Negative	Positive	Total
		Sentinel pigs from farms	13,187	15*	13,202	-	-	-	13,187	15*	13202
		Pigs from vaccine-free farms	459	0	459	-	-	-	459	0	459
		Pig farm monitoring (extensive)	-	-	-	3,502	0	3,502	3,502	0	3,502
		Pig farm monitoring(Routine)	-	-	-	3,359	0	3,359	3,359	0	3,359
		Rendering plant carcasses (including Hualien and offshore districts)	1,249	28*	1,277	473	2*	475	1722	30*	1,752
		Slaughterhouse culled breeders	1,199	0	1,199	491	0	491	1690	0	1,690
		Breeding boar semen	384	0	384	74	0	74	458	0	458
		Wild boars	320	0	320	233	0	233	553	0	553
		Beached/abandoned carcasses	44	0	44	16	0	16	60	0	60

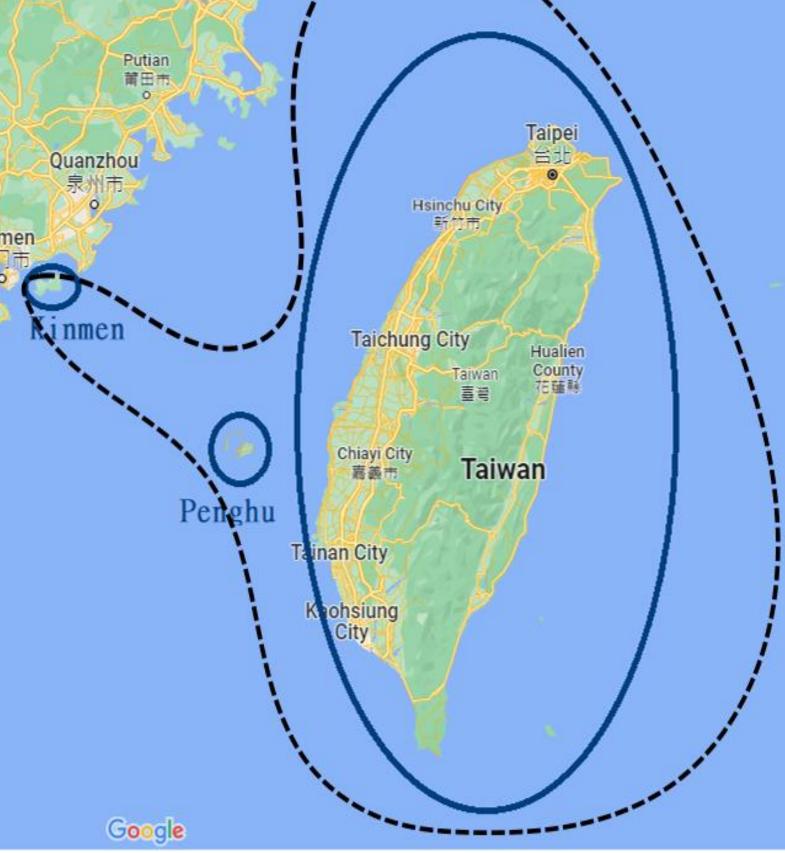


Figure 1. Geography of the proposed CSF free area in Chinese Taipei (circumscribed by dotted line)

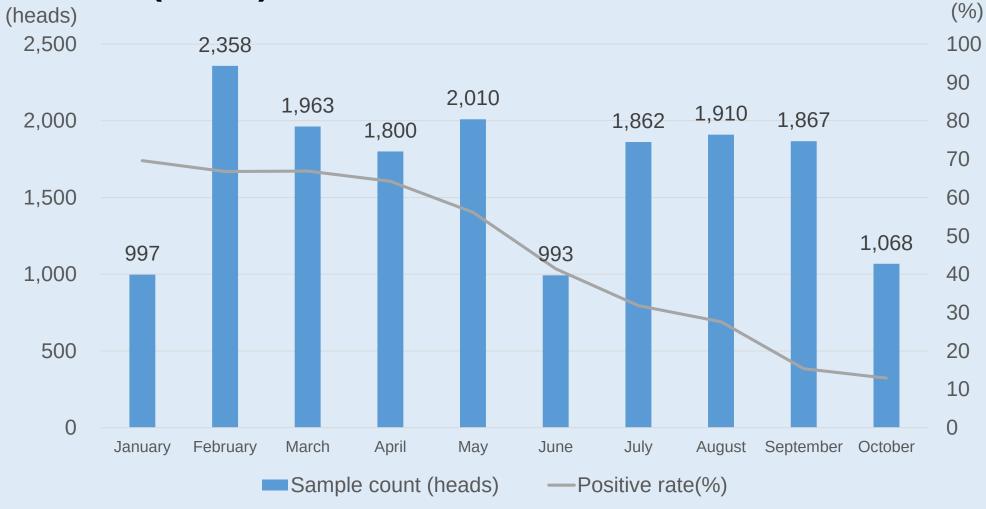
implemented gradually in 2023.

**Gradually stopping vaccination** 

- 1. January 2023, CSF Vaccination stopped except in breeding pigs
- 2. July 2023, CSF Vaccination stopped in all pigs

\*Positive samples are confirmed to be of vaccine strains

#### 2. Serological surveillance in auction markets after stopping vaccination (2023)



## **PREVENTION & PREPAREDNESS STRATEGIES TO CSF IMPLEMENTED**

# **Active Surveillance** (On-farm)

- Clinical inspections
- **Determined the CSFV RNA and** anti-CSFV neutralizing antibody : 600 pig farms per year 15 samples per farm based on epidemiological principle

# **Active Surveillance** (Auction market)

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

## **Enhanced surveillance**

- Rendering plant carcasses
- Slaughterhouse culled breeders
- Breeding boar semen
- Wild boars
- Sea adrift / abandoned pig
- carcasses

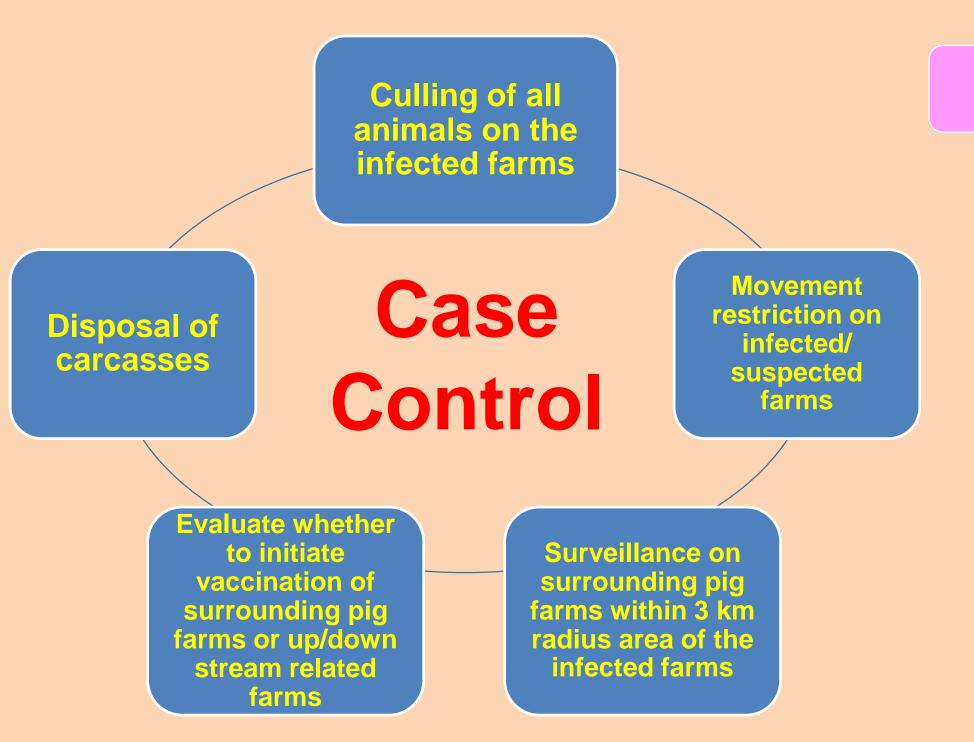


# **Other Prevention Measures**

- 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 the source farm 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







#### **Future activities**

**Continuous surveillance** (Serological and Clinical)

> **Education of** farmers and veterinarians

> > Improve biosecurity

**Continue to strengthen** border inspection



