Recap of Day 2



4[™] AFRICAN SWINE FEVER (ASF) COORDINATION MEETING FOR SOUTH-EAST ASIA 26–28 November 2024, Hanoi, Vietnam



Session VI Advances in Development of ASF Vaccines

Chair: Dr. Kugita

Development of WOAH Guidelines/Standards for ASF modified live vaccines





Updates on the development of WOAH Standards on ASF modified live vaccines

Chris Oura, Professor of Veterinary Virology, University of the West Indies, Trinidad and Tobago. Vice- President, Biological Standards Commission (BSC), WOAH.

4TH AFRICAN SWINE FEVER (ASF) COORDINATION MEETING FOR SOUTH-EAST ASIA 26–28 November 2024, Hanoi, Vietnam

An optimal ASF MLV first generation vaccine for the target host should have the following general characteristics (**minimum standards**):

Safe: demonstrate absence of fever and clinical signs of acute or chronic ASF in vaccinated and incontact animals, minimal and ideally no vaccine virus transmission, and absence of an increase in virulence (genetic and phenotypic stability).

Efficacious: protects against mortality, reduces acute disease (fever accompanied by the appearance of clinical signs caused by ASF) and reduces vertical (boar semen and placental) and horizontal disease transmission.

Quality - Purity: free from wild-type ASFV and extraneous microorganisms that could adversely affect the safety, potency or efficacy of the product.

Quality – Stability: – the virus titre maintained throughout the vaccine shelf life that guarantees the efficacy demonstrated by the established minimum immunising (protective) dose.

Vaccine Matched - based on the capacity to protect against the genotype II pandemic strain or other genotypes of recognised epidemiologic importance.

Advancing ASF Vaccine Standards: Next Steps

- BSC to assess the comments (Feb 2025) from the WOAH Delegates (will receive in Jan 2025) and address them in consultation with WOAH ASF experts.
- One more round of comments from WOAH country delegates (April 2025)
- Once concerns addressed, hopefully submit Standard for approval at the WOAH General Session in May 2025.

We need to:

- Acknowledge the dynamic nature of Standards and commit to continuous improvement as more data appears.
- Semi-annual reviews and comprehensive literature reviews.
- Collaborative effort input from ASF and vaccine experts essential

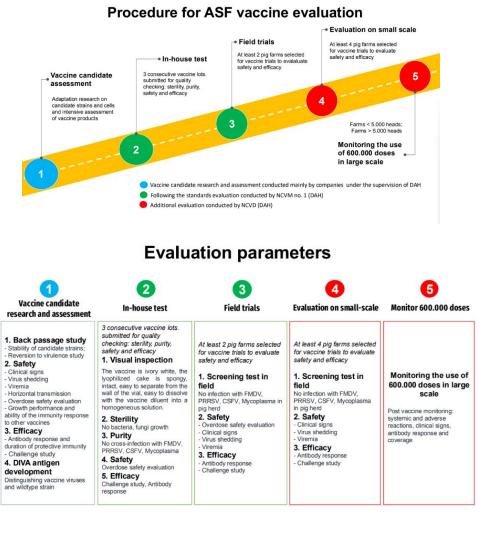
We need to ensure standards are practical, adequate and reflect the latest science

Feedback from Members using ASF Vaccines



VIET NAM'S EXPERIENCE ON THE DEPLOYMENT OF ASF VACCINES

Duc-Huy CHU, PhD., DVM Veterinary Drug and Vaccine Management Division Department of Animal Health



Feedback from Members using ASF Vaccines

AVAC ASF LIVE vaccine - an effective solution for preventing African swine fever

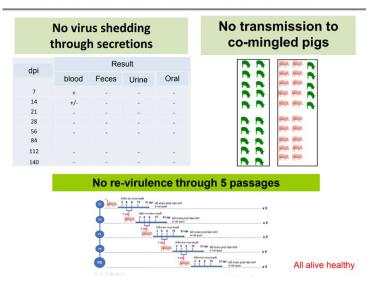
DVM. PhD. NGUYEN VAN DIEP, CEO AVAC





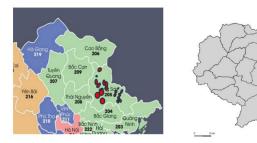
AVAC VIETNAM Joint Stock Company Nguyen Van Diep et. al

1. Introduction of AVAC ASF LIVE vaccine



Control of ASF by mass vaccination in Lang Son

Bac Son district



- 6/2024, AVAC donated 2200 doses
- Sub-DAH Lang Son, on 25-26/Jun/2024, vaccinated 2.003/2.265 in 3 communes of Bac Son district.
- Healthy after vaccination. Only 6/9 pigs (one household) died after a few days post vaccination
- No more outbreak reported



Feedback from Members using ASF Vaccines



Session VII Enhancing ASF Prevention and Control

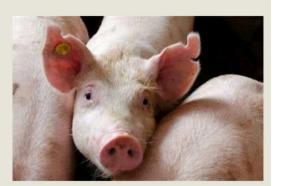
Chair: Dr. Abila

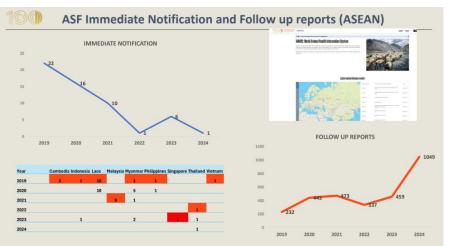
WOAH Standards and guidelines on ASF (Surveillance, biosecurity and compartmentalization)



Dr Bolortuya Purevsuren WOAH SRR SEA







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Zoning and compartmentalisation

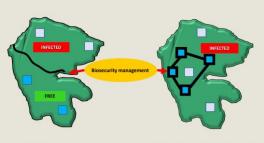
Compartmentalisation

Compartments are primarily

defined by biosecurity

management practices

Zoning and Compartmentalisation application



Zoning

Zones are primarily defined based on geography (e.g. natural or legal boundaries) Assist Member Countries wishing to establish and maintain different subpopulations within their territory

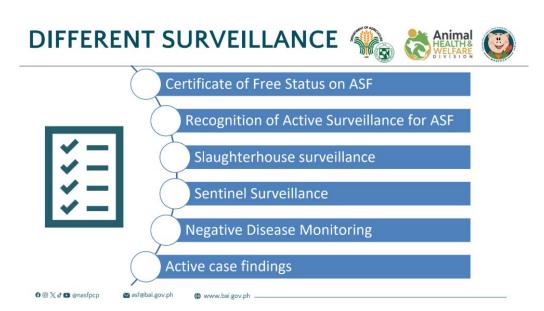
- Applied in accordance with the measures in the relevant disease chapter(s)
- To regain free status following a disease outbreak, follow the recommendations in the relevant disease chapter
- Outlines a process through which trading partners may recognize such subpopulations, best implemented by gaining agreement prior to outbreaks

Case Report: ASF surveillance and reporting



AFRICAN SWINE FEVER

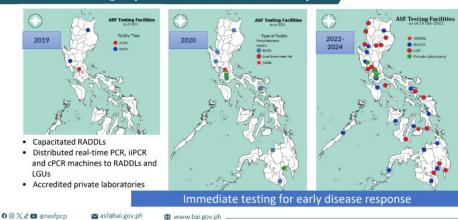
BUREAU OF ANIMAL INDUSTRY Animal Health and Welfare Division National African Swine Fever Prevention and Control Program







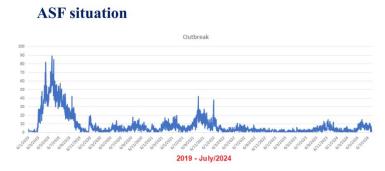
Increased testing capabilities across the country



Case Report: Implementation of compartmentalization guidelines



AFRICAN SWINE FEVER SITUATION AND SWINE DISEASE FREE ZONES IN VIET NAM



ASF free status

VAHIS Hệ thống Quản lý Thông tin Dịch bệnh Động vật Việt Nam

- · No ASF free zone has been recognized
- A total of 529 farms in 28 provinces are certified as ASF free



Laos

+

Hanoi, 27 November 2024

Case Report: Implementation of biosecurity as main tool for ASF control



4th ASF coordination meeting for South-East Asia 26-28 Nov. 2024, Hanoi, Vietnam



Implementation of biosecurity measures as main tool for ASF control in China

Dongming Zhao and Zhigao Bu

National African Swine Fever Para-Reference Laboratory National Highly Containment Facilities for Animal Infectious Diseases Control and Prevention State Key Laboratory for Animal Disease control and Prevention Harbin Veterinary Research Institute of Chinese Academy of Agricultural Sciences Starting the construction of ASF-free compartment since 2019

农业农村部办公厅 2019年12月16日

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华人民共和国农业农村部

2.无规定动物疫病小区管理技术规范



It is a successful practice of advanced concepts and basic methods for regional management of animal diseases in China's pig farming industry.

Data from CAHEC

Prevention and Control for Farm Level

Full coverage sampling: Conduct full coverage sampling on all internal walls, floors, equipment, and other surfaces on a block by block basis;

Key point sampling: As a supplement to the full coverage sampling method, it includes difficult to collect locations such as dead corners and the bottom of the material trough

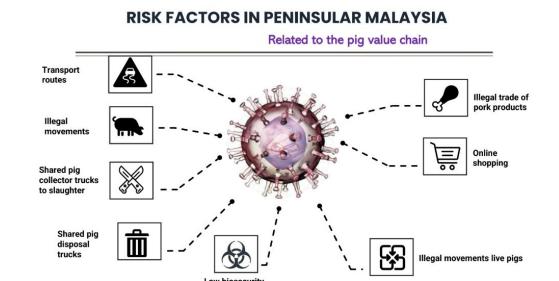


Data from CAHEC

Session VIII: Introduction to **ASEAN ASF Prevention and** Strategy and status of its implementation

ASF risk assessment and development of Risk-based ASF Control Strategy for Malaysia





Scenario 2:

Living with the disease

 Acceptance that the disease is in some subpopulations
 Exploration of strategies to limit spread for business continuity
 Community apply effective measures to limit spread
 Vaccines may be used to slow down spread
 Some zoning and compartmentalisation
 Some PP collaboration

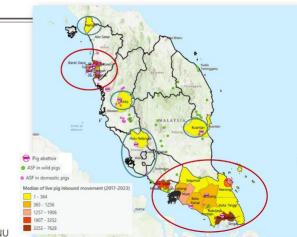
Sequentially

Breeding zone: JOHOR

Rearing zone: PENANG

MIX: PERAK

WILDLIFE: PAHANG and TERENGGANU



Introduction to ASF Prevention and Control Strategy





ASEAN ASF Prevention and Control Strategy

Karma Rinzin Regional Animal Health Coordinator WOAH Sub-Regional Representation for South-East Asia

Fourth ASF Coordination Meeting for South-East Asia Hanoi, Vietnam 26 – 28 November 2024

ASEAN ASF Prevention and Control Strategy



Theory of change

Theory of Change - ASEAN ASF Prevention and Control Stra

Geal To achieve regional control of A sector and wild suid populations	SF that will result in a in Southeast Asia	e reduction of	the a	dverse	impac	t of ASF	on the p
number of countries num and territories affected out by ASF* affe	duction of the mber of ASF foreaks within ected countries and fitories*	 Increased r of AMS the implement compartme 	d zoning	and	of r loo		
alid suid populations in Southear	st Asia.	<u></u>				o agres	e impact
Objectives							e impact
	Objective 2	y of ASEAN	Ens	ainabil	3 reflecti	veness s	
Objectives Objective 1 Strengthen regional coordination and cooperation framework, for	Objective 2 Improve capability Member States to	y of ASEAN	Ener	ute the ainabil	3 reflecti	veness s	and
Objectives Objective 1 Stivegiben regional acordination and acorporation framework for ASE and other TADe control Outputs	Objective 2 Improve capabilit Member States to and other TADs 2.1 Systematic eve the capability of	y of ASEAN 5 coeffed ASE duation of 4 Veterbary	Ener sunt corr	Strong	3 reflecti ity of A pthen e netion	veness a SF prov	and ontion and out and want
Objectives Objective 1 Strengthen higherel accordination and accoparation framework. for Asses and other I/Abs control Outputs 1.1 Set up ASEAN ASE	Objective 2 Improve capabilit Member States to and other TADs 2.1. Systematic eve	y of ASEAN 5 coeffed ASE duation of 4 Veterbary	Ene sust corr	Strong	3 reflection by of A phien e reflection	veness a SF prov	and ontion an

with GF-TADs and it followant frameworks abilish mechanisms acilitate immediate fication, reporting and	22	Provision of technical guidelines and resources for ASF prevention and control including facilitation of safer trade.		Apply Multisectoral and Multidisciplinary partners control ASF and other pri TADs				
mation, reporting and remination of disease fination	2.3	Capacity building programmes to prevent and control spread of ASF and priority TADs.	3.3	Promote a sustainable fun mechanism for ASE prever and control				
	2.4	Strengthen legislation and policy on prevention and control of ASF and other						

S Outcome 2

I contribution and tion for mote effortive capacity for early detection and on and control of ASE - trajoit registeries to FPR incursions capabilities craits assessment, well and other priority small runniant teacements.

Group Work

Group work – Develop implementation plan

Activities number	Activities	Activity type	Implementer	Collaborator	2023	2024	2025	2026	2027	2028	Fund source	Remarks
Goal	To achieve regional control of ASF that will result in a promotion of cooperation amongst the ASEAN Memb		pact of ASE on the j	pig sector and wild	l suid po	opulati	ons In	South	east A	tsia th	ough ilti-stal	keholder cooperation and
Outcome 1	egional coordination and cooperation for more effective prevention and control of ASF is proved											
Output 1.1	Set up ASEAN ASF Governance structure											
Activity 1.1.1	Explore the ASF coordination mechanism with clear ToR to coordinate the implementation of the strategy-	Meeting	ACCAHZ/ ASEC/ AMS/ Partners	FAO, WOAH	x							Develop TOR
Activity 1.1.2	Designation of ASEAN ASF Reference Laboratory	Meeting recommendations	ASWGL	AMS, WOAH, FAO	x							Vietnam designated
Activity 1.1.3	Designation of ASEAN Co-lead countries for ASF	Meeting recommendations	ASWGL	AMS, WOAH, FAO	×							Philippines and Vietnam
	Add new activities				-							
Output 1.2	Harmonize Regional Coordination Mechanism in line	with GF-TADs and other rele	vant frameworks									
Activity 1.2.1	Conduct ASWGL/ ACCAHZ meeting back to back with Sub-Regional GF-TADs Meeting	Meeting	ASEC, ACCAHZ, WOAH, FAO			x	×	×	×	×		
	Participate in annual Standing Group of Experts on ASF for Asia and the Pacific	Meeting	WOAH, FAO	AMS, ASEAN	×	x	×	×	×	×		
	Engage and support SGE recommended activities	Based on the meeting recommendations	ASEAN, AMS	WOAH, FAO	×	x	x	x	×	×		



Hosted Dinner



(Torben Lendager - Poul Dehnhardt)

Warner/chappell Music Denmark

Karaoke night!