



Food and Agriculture Organization
of the United Nations

Supporting management of African swine fever (ASF) in Asia Pacific

4th ASF Coordination Meeting for South-East Asia
26-28 November 2024
Hanoi, Viet Nam



Yooni Oh, Animal Production and Health Officer

Sarah Jayme, Animal Health Specialist

FAO Emergency Centre for Transboundary Animal Diseases (ECTAD)

Regional Office for Asia and the Pacific



Presentation Overview

- ASF Situation
- Programmatic Approach for ASF in Asia
- Activities to Support ASF Management
 - ✓ Leverage
 - ✓ Level-up
 - ✓ Lead

ASF in Asia Pacific

- As of October 2024, a total of **20** countries in Asia-Pacific officially reported ASF:
 - China (Aug 2018)
 - Mongolia (Jan 2019)
 - Vietnam (Feb 2019)
 - Cambodia (Apr 2019)
 - DPRK (May 2019)
 - Lao PDR (Jun 2019)
 - Myanmar (Aug 2019)
 - Philippines (Sep 2019)
 - ROK (Sep 2019)
 - Timor-Leste (Sep 2019)
 - Indonesia (Dec 2019)
 - Papua New Guinea (Mar 2020)
 - India (May 2020)
 - Malaysia (Feb 2021)
 - Bhutan (May 2021)
 - Thailand (Jan 2022)
 - Nepal (Mar 2022)
 - Singapore (Feb 2023)
 - Bangladesh (Dec 2023)
 - Sri Lanka (October 2024)



ASF Regional Collaborative Framework for Asia and the Pacific

Objective: To prevent the spread and mitigate the impacts of ASF in Asia and the Pacific

Better understanding of ASF and swine sector

- Research gaps and priorities
- Operational research such as value chain mapping, ecological studies

Enhanced effective approach for ASF prevention and control

- Risk assessment
- Surveillance
- Risk mitigations in immediate, medium and longer terms, including endemic situation

Business continuity and recovery

- Compartmentalisation
- Recovery options
- Business transition
- Vaccine development

Strengthened policy and enabling environment

- Human and financial resources to respond to ASF
- Legislations and regulatory frameworks
- Disease reporting

Enhanced communication and policy advocacy

- Communication and advocacy strategies for specific stakeholders
- Enhanced veterinary services' communication
- Policy advocacy

Developed required capacity

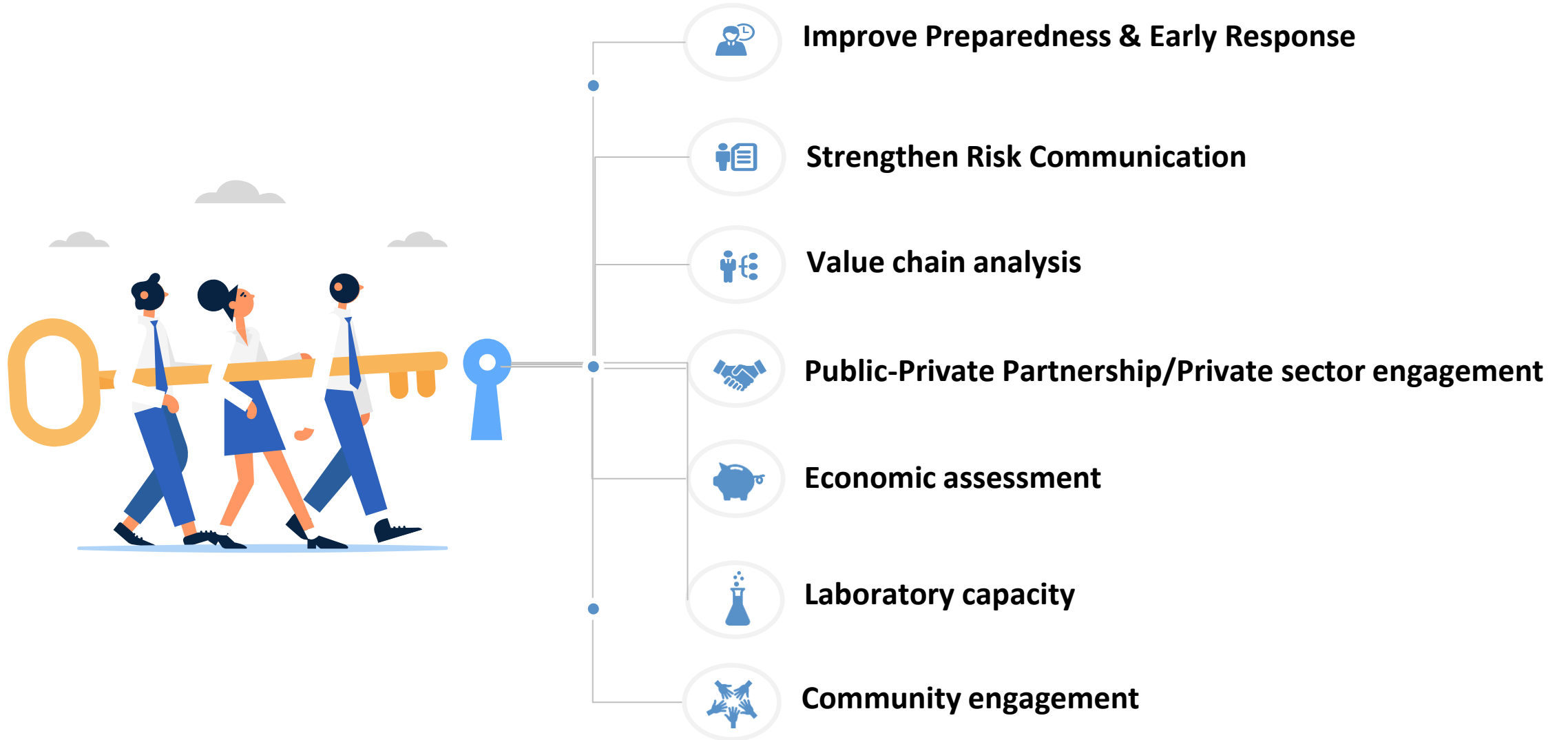
- Technical capacity: Laboratory, field investigation and response
- Operational capacity: Emergency system preparedness and response

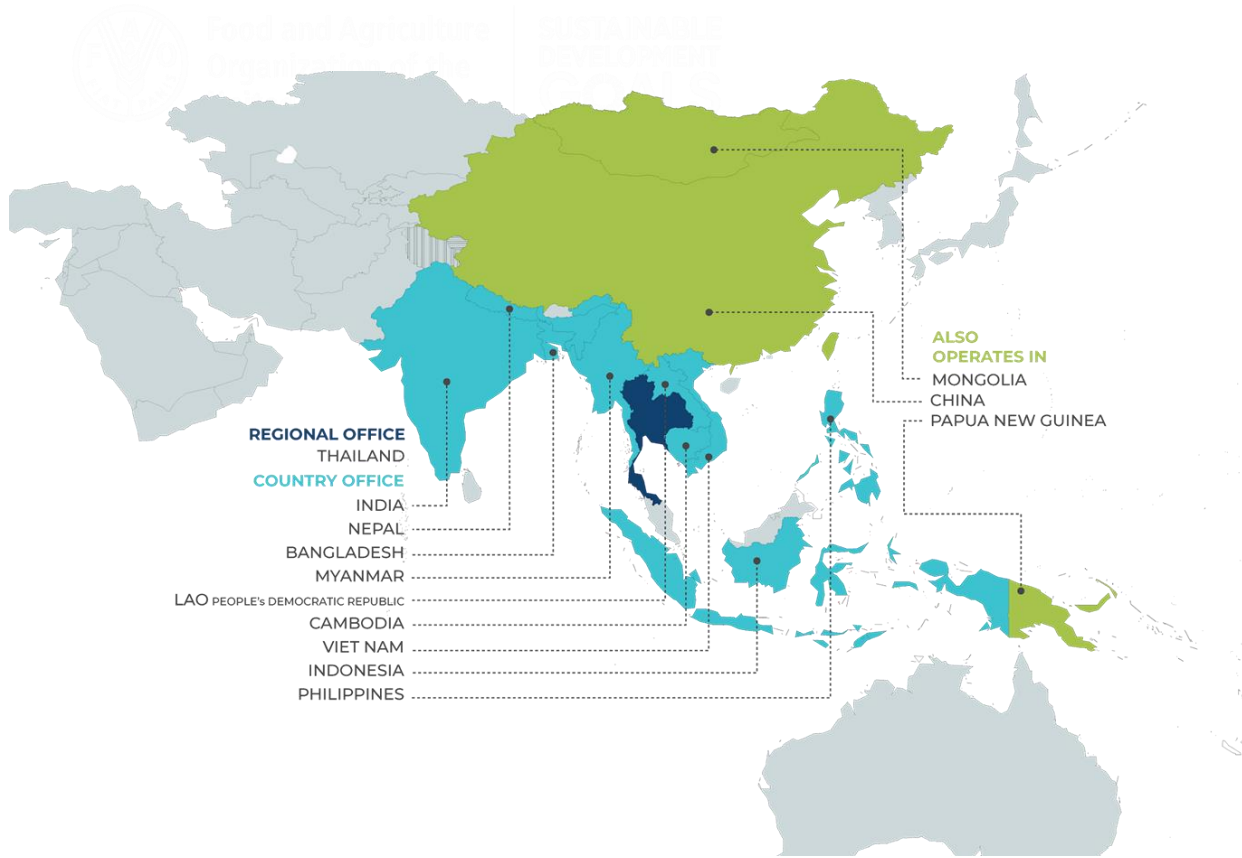
Enhanced collaboration and coordination

- Multi-sectoral: Public-private partnerships, inter-ministries, academia,
- Multi-lateral: Sub-regional, regional, interregional and global
- Multi-disciplinary: Research networks



Multidimensional approach to combat ASF





Programmatic approach for ASF control in Asia

BHA-1 (2019 – 2022)

P1: Cambodia, Lao PDR, Myanmar, Viet Nam
+ SE Asia

P2: Cambodia, Myanmar, Philippines, Papua New Guinea
+ SE Asia

BHA-2 (2022 – 2025)

Cambodia, Philippines, Thailand

TCP (2019 – 2021)
China, Cambodia, DRPK,
Indonesia, Lao PDR,
Malaysia, Mongolia,
Myanmar, Philippines,
Thailand, Viet Nam

SSC (2018-2023)
China, Cambodia,
Lao PRD, Myanmar

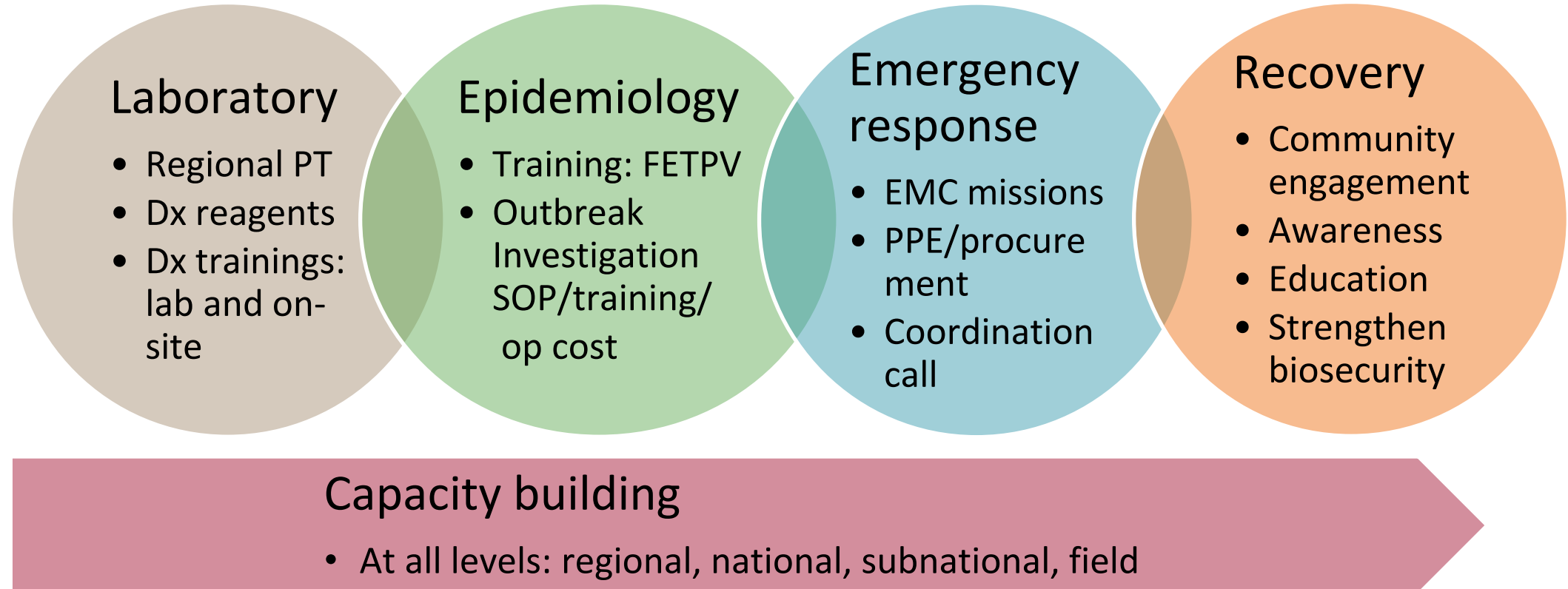
ROK (2020 – 2025)
Cambodia, Indonesia,
India, Lao PDR, Myanmar,
Philippines, Viet Nam
+ Asia

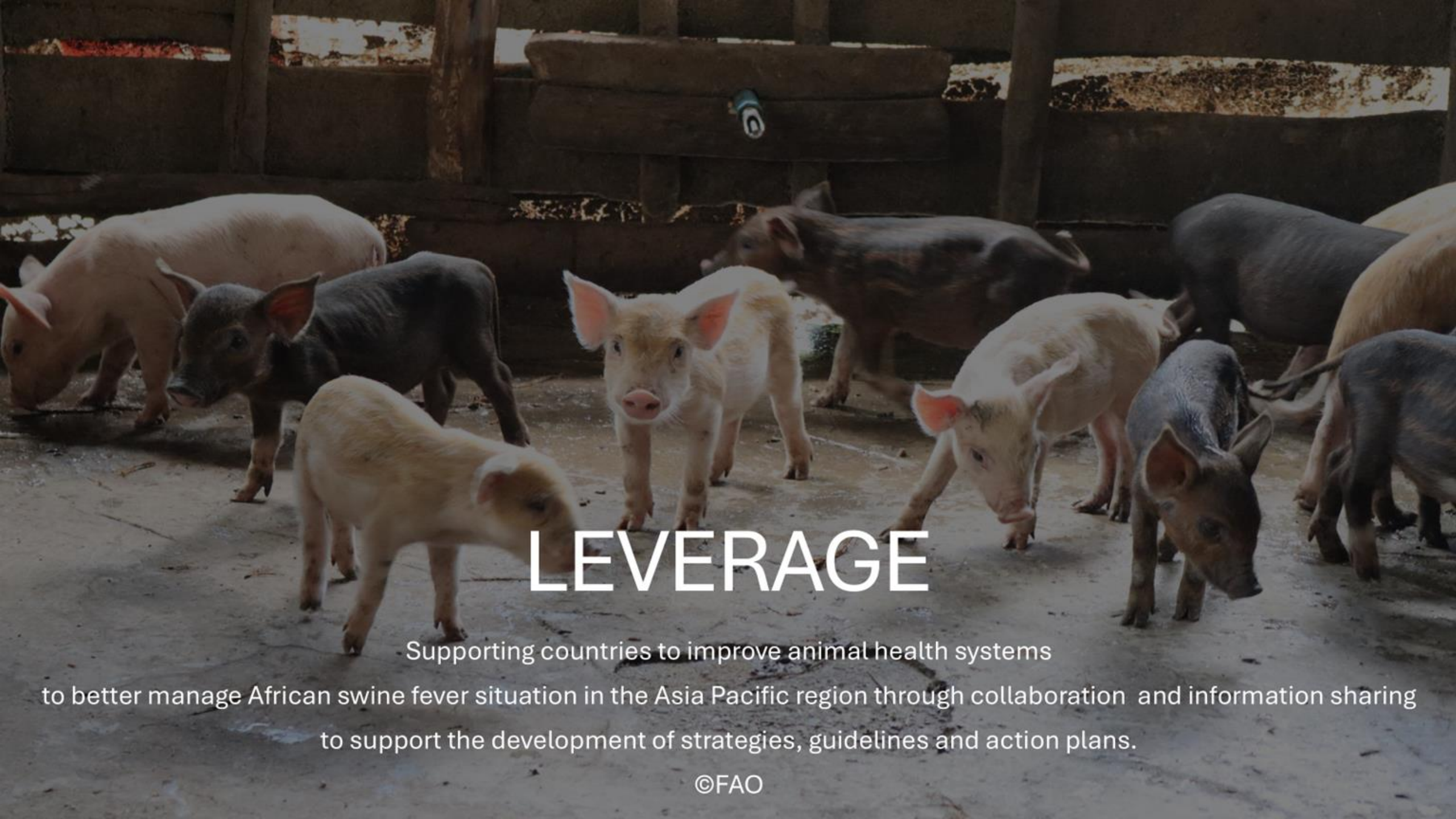
DTRA (2021 – 2025)
Cambodia, Lao PRD,
Malaysia, Philippines,
Thailand
+ SE Asia



Key actions for ASF preparedness, response and recovery

Technical support





LEVERAGE

Supporting countries to improve animal health systems

to better manage African swine fever situation in the Asia Pacific region through collaboration and information sharing
to support the development of strategies, guidelines and action plans.



REGION

Regional Technical Consultation for ASF

- 7-9 May 2024
- Seoul, Republik of Korea
- Attended by over 60 participants, including government representatives from 18 countries, experts, and partner organizations
- Covered discussions on preparedness, detection, response, and recovery with topics tailored to endemic scenarios
- Support from MAFRA ROK and DFAT Australia





REGION

ASF Partnership Platform Launch Meeting

- 12-13 June 2024
- Bangkok, Thailand
- In collaboration with Trust in Animals and Food Safety (TAFS) Forum
- Government representatives from 8 countries in Southeast Asia, experts, partner organizations and private sector
- Launch an online platform to share information between sectors especially stories from the field
- Share technical insights between the government and private sector

<https://www.asfpartnershipplatform.org/>

<https://www.linkedin.com/company/asf-partnership-platform/>

- Support from DTRA and MAFRA ROK





REGION

9th Meeting of the Standing Group of Experts on ASF

- Manila, Philippines
- 25-26 June 2024
- Organized by FAO and WOAHA
- 17 countries
- WHO WPRO as resource speakers
- Exchange lessons learned and best practices on risk communication and community engagement



© FAO/Jim Caro



REGION

Regional Meeting on ASF in Wild Pigs

- 24-25 January 2024
- Pattaya, Thailand
- Participants from Cambodia, Lao PDR, Indonesia, Philippines, Malaysia, Thailand and Vietnam
- Representatives from agriculture and environment sectors, academe, wildlife conservation groups, WOAHA
- Understand the epidemiology and conservation impacts of ASF in wild pigs
- Share best practices and research on the inter-sectoral coordination mechanism on preventing spillover of ASF from domestic pigs to wild pigs.
- Support from DTRA, USA





Philippines, Indonesia and Lao People's Democratic Republic

Intersectoral Collaboration



- Philippines

- ASF Threat to Domestic and Wild Pigs Campaign
- Regions of Northern Mindanao (Oct2023) and Western Visayas (May 2024)
- Establish networks between government partners from agriculture and environment sectors regarding ASF concerns in both domestic and wild pigs



- Indonesia

- Providing support for formal network between Ministries of Agriculture, Environment and Forestry

- Lao PDR

- Workshop on ASF in Wild Pigs (20-21 June 2024)
- DLF, National University of Laos, Wildlife Conservation Society
- Draft national ASF contingency plan to include wild pigs





REGION

Intersectoral Collaboration

- Science for Nature and people Partnerships (SNAPP)
ASF Working Group

- Spearheaded by Wildlife Conservation Society
- Composed of individuals from various organizations and expertise (animal health, wildlife conservation)
- Develop recommended multisectoral actions for surveillance, prevention and control
- Assess the impact of ASF on wild pig population in Southeast Asia





Thailand and Lao People's Democratic Republic

Research Collaborations

- Thailand

- DLD with Mahidol University

- Pilot project to analyze wild boar value chains, behavioral risk analysis of indigenous people to the introduction of ASFV and identifying the habitat and distribution of free-ranging wild boars (22 June-November 2023)

- Lao People's Democratic Republic

- In collaboration with National University of Laos

- Study of wild pig value chain in Huaphan and Salavan Provinces
(June-July 2024)

- Study results used as basis to include wild pigs in the draft national ASF contingency plan



Data collection of value chain analysis and interaction between humans and animals





Viet Nam and Philippines

Policy Development and Review

- Viet Nam
 - Consultation on ASF Testing and Culling Methods
 - In collaboration with FAO-IAEA Joint Laboratory, Friedrich-Loeffler Institute (FLI), and Viet Nam National University of Agriculture (VNUA)
 - Validated a rapid PCR assay to support the partial and selective culling strategy
 - Consultation with farmers and field practitioners regarding the draft partial and selective culling handbook for managing ASF in infected farms

- Philippines
 - Revise the National ASF Communication Plan
 - Knowledge, Attitude and Practices study
 - ASF communication workshop that convened different stakeholders involved in ASF management





LEVEL UP

Supporting countries to strengthen technical capacities on disease preparedness, detection, response, and recovery through epidemiology and laboratory trainings. ©FAO



Laboratory Diagnosis

- **Laboratory Training on Swine Diseases**

- 11-15 November 2024 (Gimcheon, Republic of Korea)

- Conducted in collaboration with Korean Veterinary Medical Association , and the Animal Plant and Quarantine Agency

- 12 Laboratory professionals from Cambodia, Lao PDR, Indonesia, Viet Nam, and Philippines

- Focused on diagnostic techniques for ASF and other swine diseases

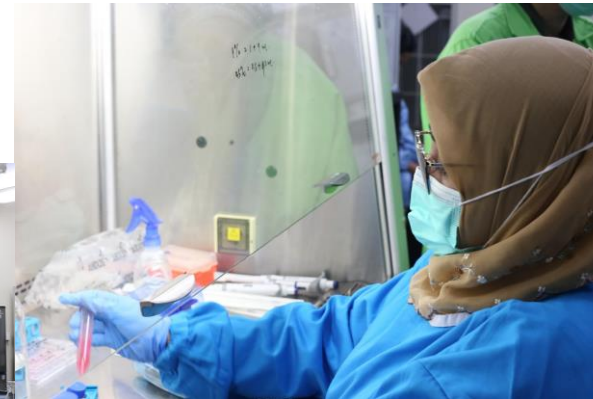


- **Indonesia**

- Training on tissue culture and ASF virus isolation

- 18-26 July 2024 (DIC Medan, North Sumatra)

- In collaboration with APQA ROK





Field Epidemiology

Applied Veterinary Epidemiology Training

- Philippines

-47 government veterinarians trained from 2 regions in Luzon
and 2 regions in Mindanao

-September and October 2023

-In collaboration with BAI and Philippine College of Veterinary Epidemiologists

-Topics: Measures of disease frequency; patterns of disease;
diseases determinants and demonstrating association;
outbreak investigation





Outbreak Investigation

Simulation Exercise on ASF Outbreak Investigation

- **Region**

- 15-17 Aug 2023 (Bangkok, Thailand)

- 50 participants from 11 countries

- Scenario- based with role playing

- Simulate the introduction of the ASF in the country and how the authorities could respond to the event

- **Thailand**

- Regions IV, V and VIII (April-May 2024)

- In collaboration with DLD

- 145 veterinary officers and regional government staff from high-risk areas for ASF

- **Cambodia**

- National SimEx on ASF Outbreak Investigation (12-13 March 2024)

- In collaboration with GDAH

- 55 participants composed on national and local veterinary offices, wildlife sector, non-profit organizations





Emergency Preparedness and SOP training

- Philippines
 - ASF Preparedness and Tabletop Exercise
 - Opportunity for local government units from different sectors to evaluate, refine ASF emergency response strategies
 - Provinces of Siquijor (Sep 2023) and Samar (Oct 2024)
- Cambodia
 - SOP Training on ASF Outbreak Response and Management
 - More harmonized response to ASF outbreaks and better coordination
- Lao PDR
 - Trainings on ASF Detection and Emergency Response
 - Covered all 148 districts in 18 provinces





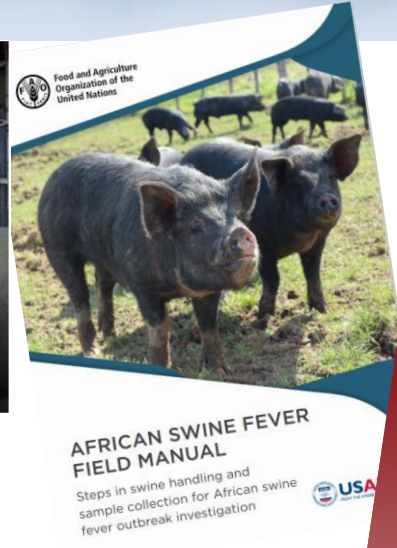
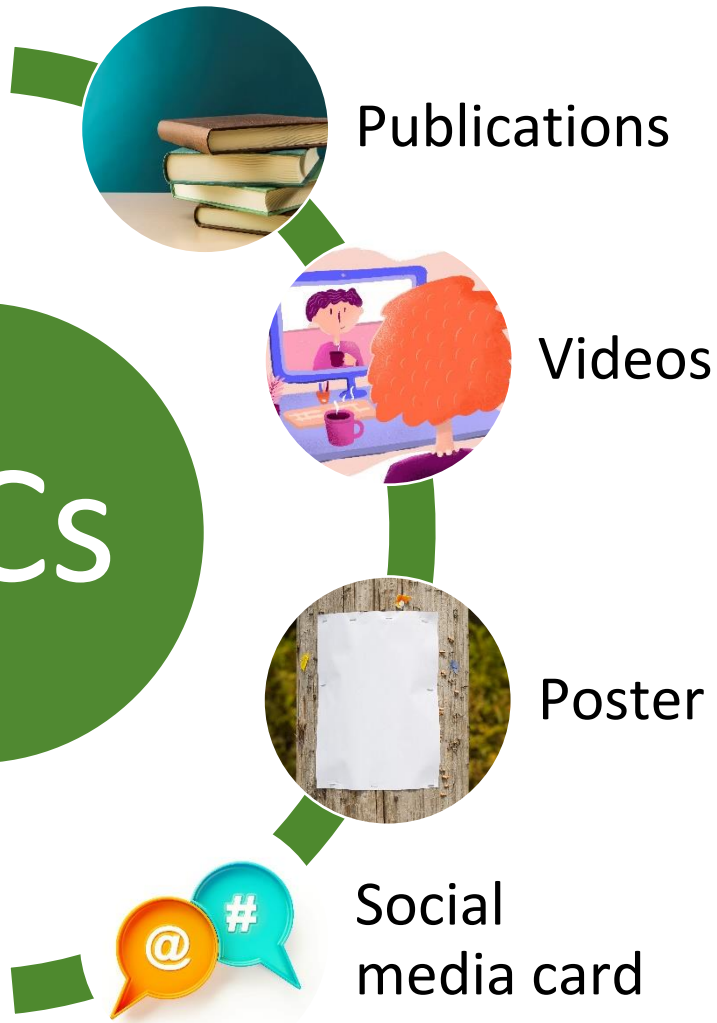
Wildlife Health Information System Training

- Indonesia
 - Training on the use of the Wildlife Health information System called "SehatSatli"
 - For wildlife officers in North Sulawesi:
(Bogani Nani Wartabone National Park and Gorontalo Natural Resources Conservation Center)



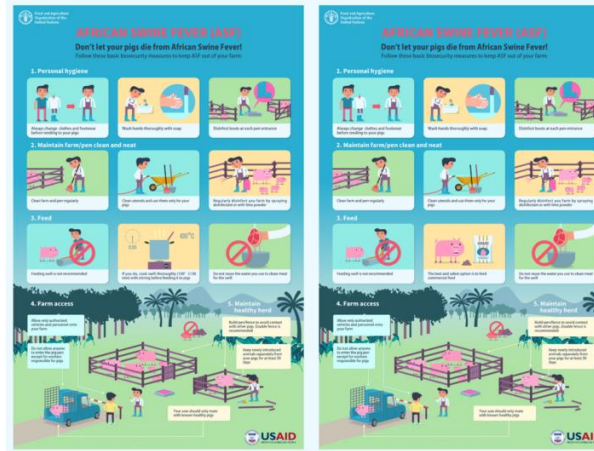
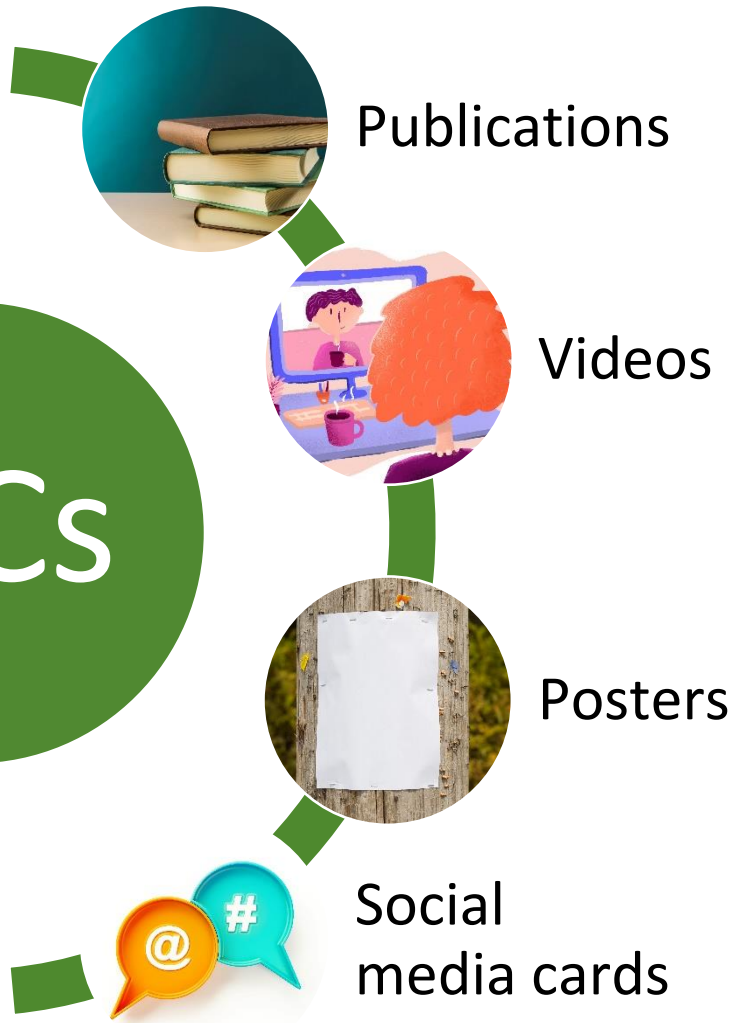


IECs





IECs



This course aims to support smallholder pig farmers and field workers to effectively manage ASF in the Asian context. The development of this course was inspired by a fictional scenario that closely follows a narrative. It adheres to the GEMP (good emergency management practice) principles, including preparedness, prevention, detection, response, and recovery.

This course was made possible with funding from the Ministry of Food, Agriculture and Rural Affairs of the Republic of Korea and United States Agency for International Development's Bureau for Humanitarian Assistance.

Accessing the course

This course can be accessed free of charge, anytime, anywhere.

If you are not registered with this FAO Virtual Learning Centers platform, please click the link below to create an account with us.

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SAFETY OF ONE, SaFety FOR ALL!

Keep my space clean. Disinfect frequently, please. No swill for me!

Segregate! Give me space, please. Restrict movements!

Keep others out! Be in the know. Report unusual events.

STOP AFRICAN SWINE FEVER NOW!

Funded by

USAID FROM THE AMERICAN PEOPLE

Ministry of Agriculture, Food and Rural Affairs Republic of Korea



Information Materials

- Social media cards



- Poster



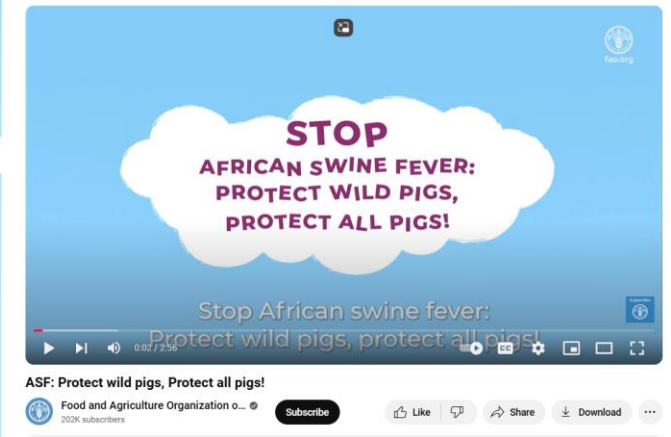
- Brochure



- Video

✓ ASF Protect Wild Pigs, Protect All Pigs”

✓ <https://youtu.be/6UUw6DCEIIE>



LEAD

Increasing the resilience of farmers and communities to deal with animal health emergencies through good husbandry practices and improved biosecurity. © FAO



ASF in Wild Pigs

Community Awareness

▪ 8 ASF Forestry Community Forums in Cambodia

- Chet Borey district, Kratie Province(23-26 July 2024)
- 379 Framers and forest rangers
 - Raise awareness on risks of ASF on pig species, domestic or wild
 - Advocate for enhanced biosecurity at pig farms and wildlife conservation facilities
 - Advocate for early detection and reporting at pig farms and wildlife conservation facilities



▪ Information Caravan on Wild Pigs in the Philippines

- Indigenous communities in the Municipalities of Roxas and San Vicente, Palawan
- 14-17 October 2024



CABI: Community ASF Biosecurity Interventions

Implementing biosecurity practices is essential for maintaining the health and well-being of animals.

Be a champion farmer
with biosecurity practices

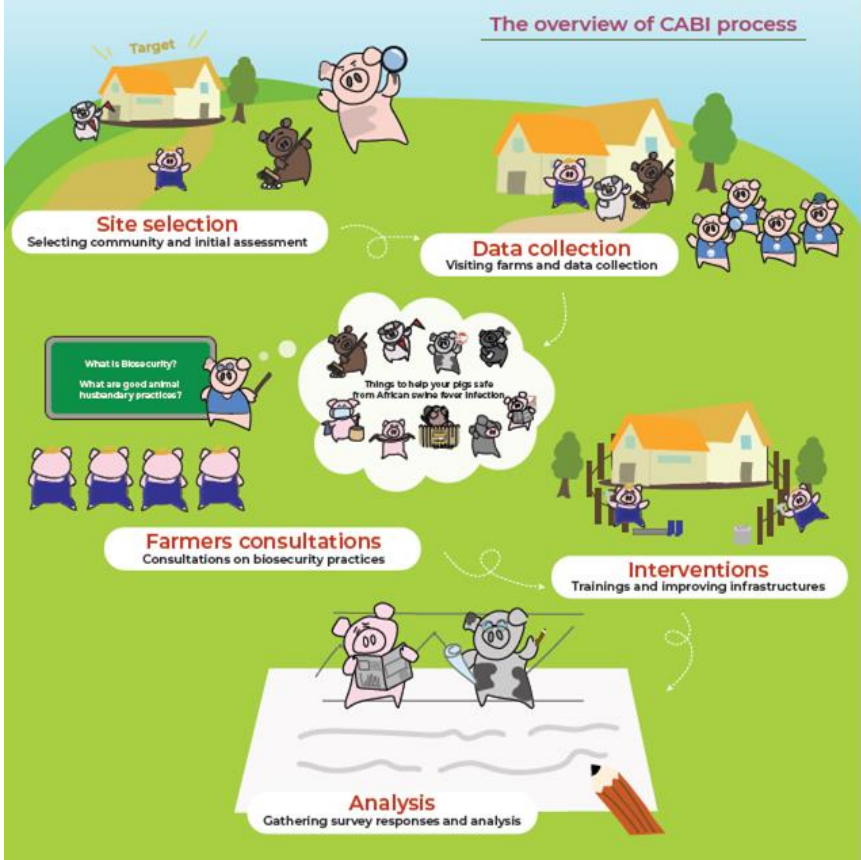
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Restrict movements Wash hands with soap

No swill feeding Disinfect frequently

Report unusual events Clean farm regularly

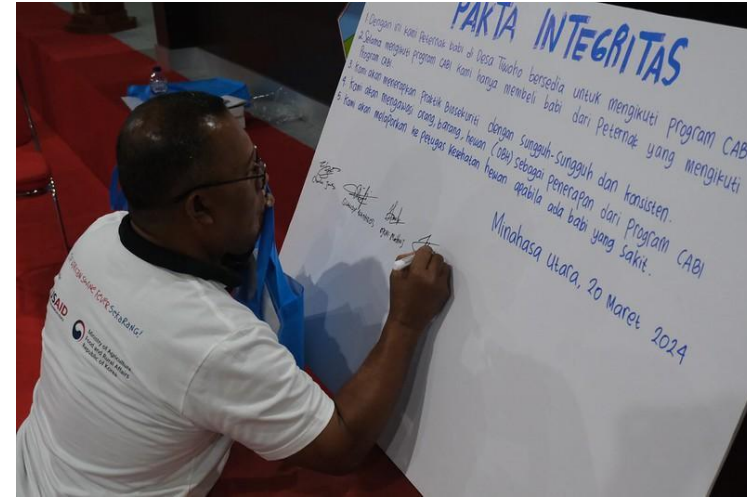
Biosecurity is a key to stop ASF.
Be a champion farmer and keep your pigs free from ASF!



[CABI brochure: https://openknowledge.fao.org/handle/20.500.14283/cd1150en](https://openknowledge.fao.org/handle/20.500.14283/cd1150en)



Community intervention programme – Infrastructure and practices



Even though, it was challenging to put measures in place



this must be foreseen as a long term investment to protect the farm



This project will become a model for other barangays



Ms Elinita Pinote

Farmer, beneficiary of the project

The ASF situation really scared me.

Pigs are our main source of income, and it would be very troublesome if my pigs got infected with ASF. It might take several months to recover my income.

Even though implementing CABI measures was challenging, they were very helpful to us. We understand that these measures are crucial for the prevention of ASF.

Before implementing CABI, we lacked the knowledge on how to properly manage our pig farms. But now, we have learned more about hog-raising, especially on keeping them safe and secure from animal diseases.



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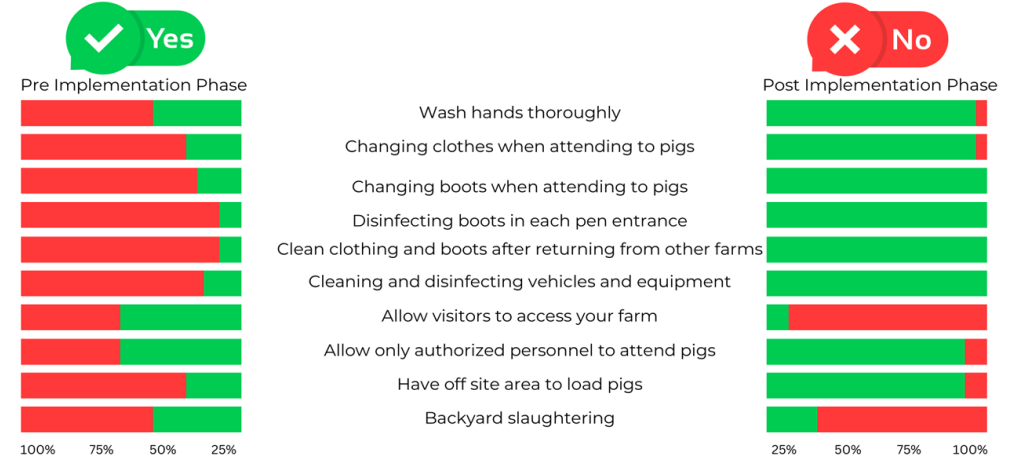
Documentary video:

<https://youtu.be/1dc2eLhOPOc>

Results and Discussion

4

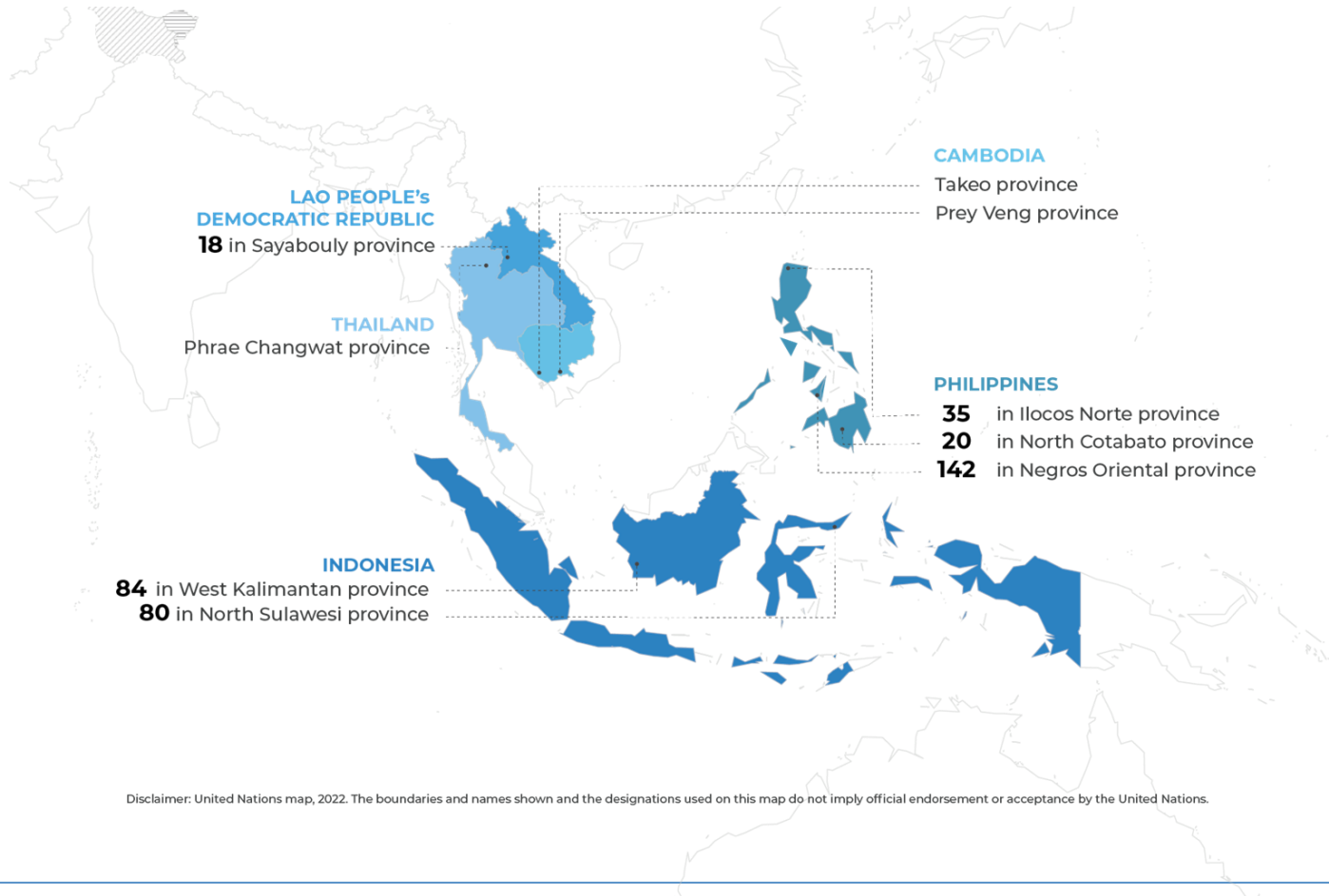
Biosecurity





Community Engagement

Community ASF Biosecurity Intervention



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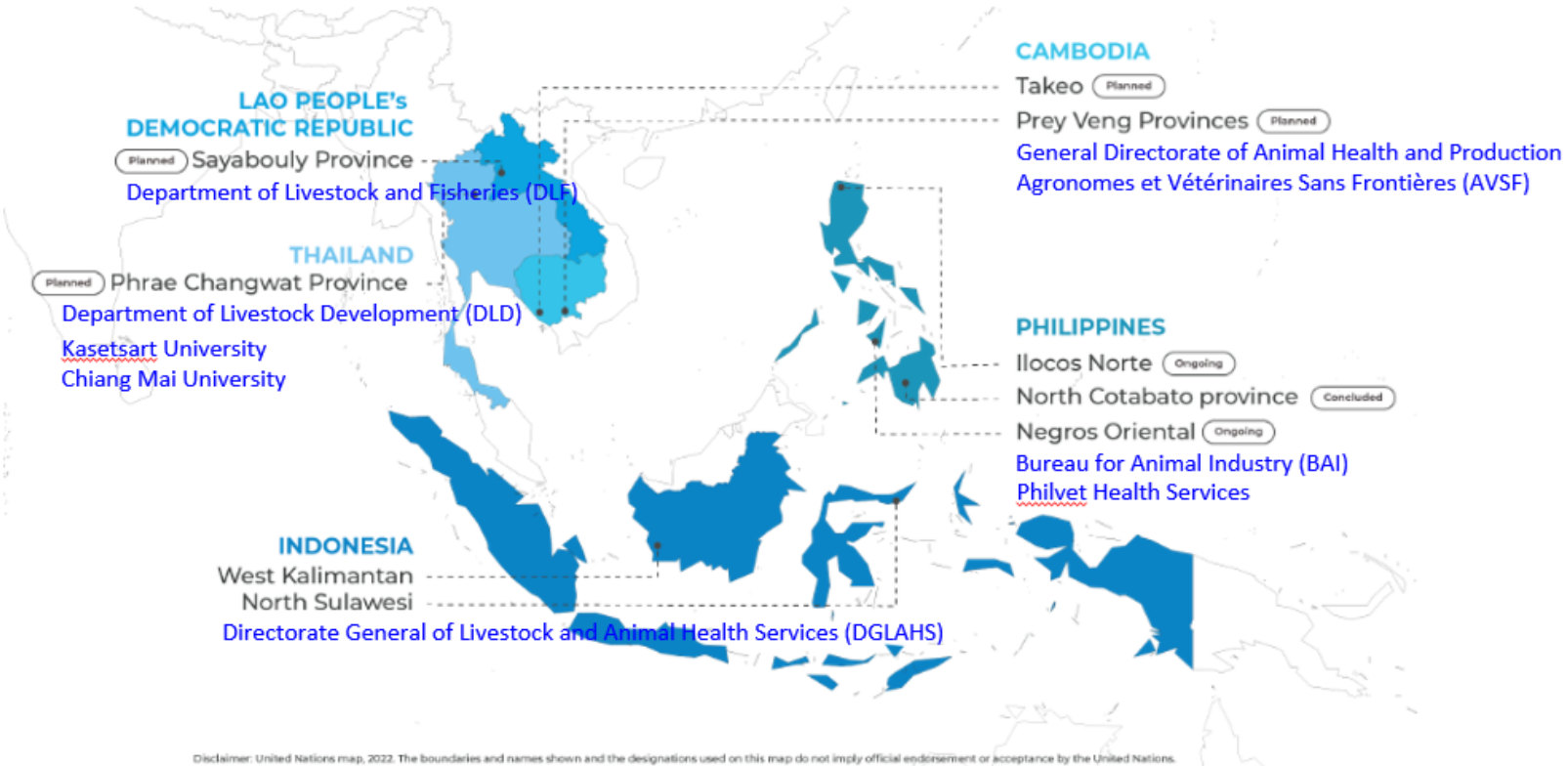


CABI Western Balkans

- Participating: Kosovo, North Macedonia
- Interested: Serbia, Albania, Montenegro

CABI: Community ASF Biosecurity Interventions

Expansion in five countries



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Organization of the
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Twenty years of protecting people, animals and the environment

Emergency Centre for Transboundary Animal Diseases (ECTAD)

THANK YOU !



#ECTAD
#FAOAsiaPacific
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