

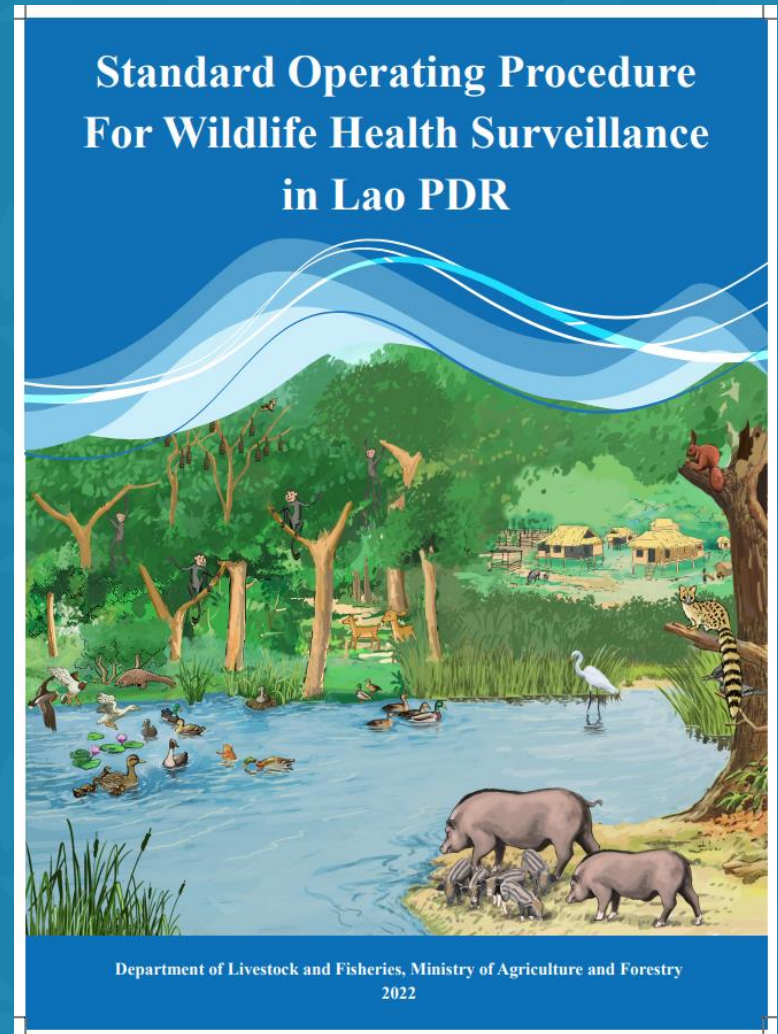


Standard Operating Procedure (SOP) For Wildlife Health Surveillance in Lao PDR

2024 South-East Asia Wildlife Health Network Meeting September
17, 2024 Chiangmai, Thailand

Presented by:

Dr Wathana Theppangna, Deputy head of National Animal health Laboratory,
Department of Livestock and Fisheries



PERSPECTIVE | VIEWPOINT: COVID-19

Rigorous wildlife disease surveillance

MRINALINI WATSA AND WILDLIFE DISEASE SURVEILLANCE FOCUS GROUP

COMMENT | VOLUME 5, ISSUE 10, E668-E669, OCTOBER 01, 2021

Urgent need for integrated pandemic policies on pathogen spillover

Pallavi A Kache ✉ • Sonila Cook • Nigel Sizer • Lee Hannah • Neil M Vora

Open Access • Published: October, 2021 • DOI: [https://doi.org/10.1016/S2542-5196\(21\)00260-6](https://doi.org/10.1016/S2542-5196(21)00260-6)

Research

Gaps in health security related to wildlife and environment affecting pandemic prevention and preparedness, 2007–2020

Catherine Machalaba,^a Marcela Uhart,^b Marie-Pierre Ryser-Degiorgis^c & William B Karesh^a

The lack of proactive stances for wildlife health require a global transition to health-supporting and disease prevention-focused strategies.



CROSSROADS

BLOG | Open Letters to IUCN Members

It is Time for a Global Wildlife Health Authority

17.09.2020

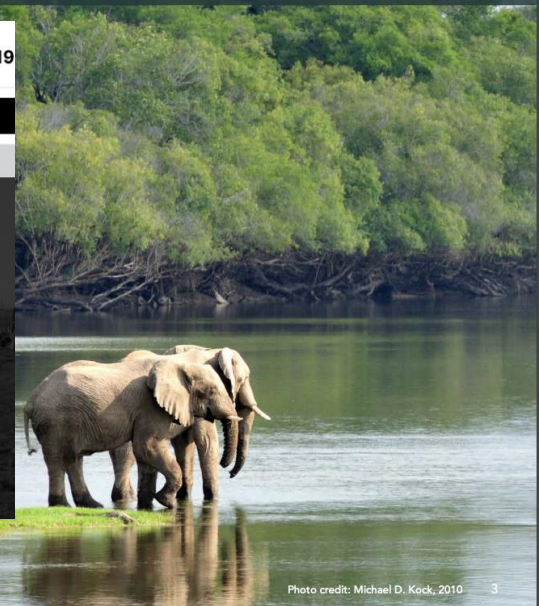
The COVID-19 pandemic has revealed how vulnerable we are to emerging diseases, and exposed the lack of wildlife health oversight, surveillance and management across the world. Our disturbance of the natural world and growing human and domestic animal population are increasing contact with wildlife, increasing the risk of zoonotic infections. To help



Home » News » G20 Ministers of Health reaffirm the urgent need to address global health under a One health approach

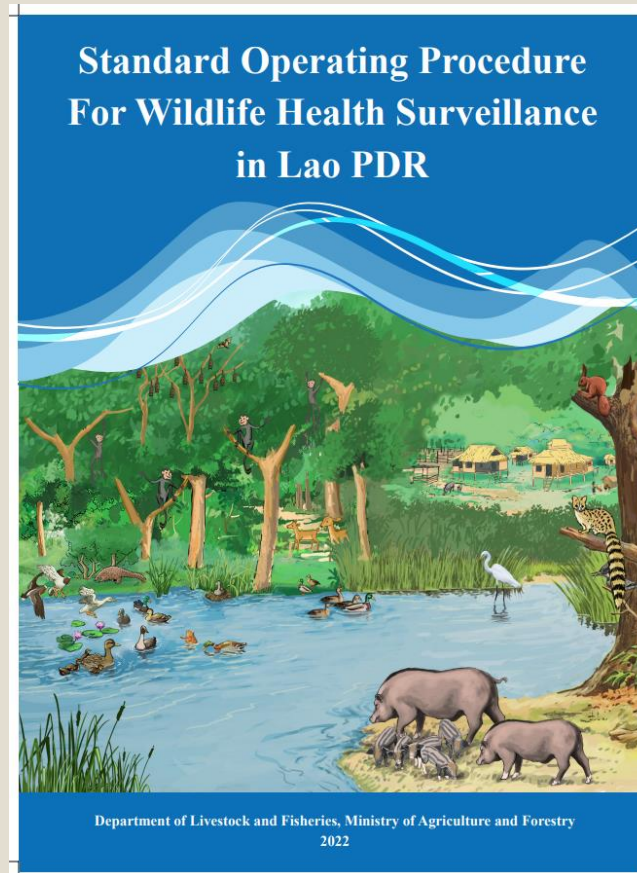
G20 Ministers of Health reaffirm the urgent need to address global health under a One health approach

News



Introduction

- Emerging infectious diseases
- Wildlife diseases
- Human/animal/environmental health threat
- Capacity to prevent or mitigate pathogen spillover,
- Wildlife health surveillance system



- Technical guidance for the implementation of wildlife health surveillance in Laos PDR
- Support national governments in reaching their strategic objectives to combat the threat of emerging infectious diseases on public health, biodiversity, and regional development and stability.
- Be in line international standards and guidance of the WOH

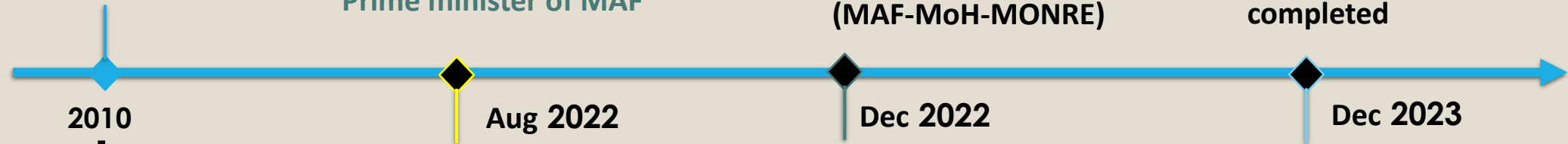
Timeline of the SOP

USAID-PREDICT
EU-LACANET
DTRA-WHN

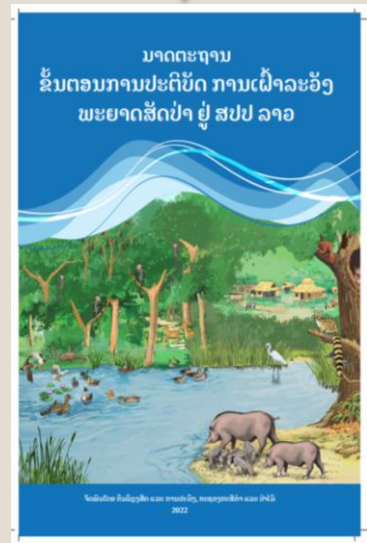
Officially approved by
Prime minister of MAF

National Wildlife
Health Surveillance
Committee was
established
(MAF-MoH-MONRE)

Illustration was
completed



2010
|
2014
|
2017
(Research - Zoonoses surveillance)
|
2018
|
2021
(Introduced and developed the SOP)





Officially SOP launching

July 09, 2024 in
Vientiane, Lao PDR

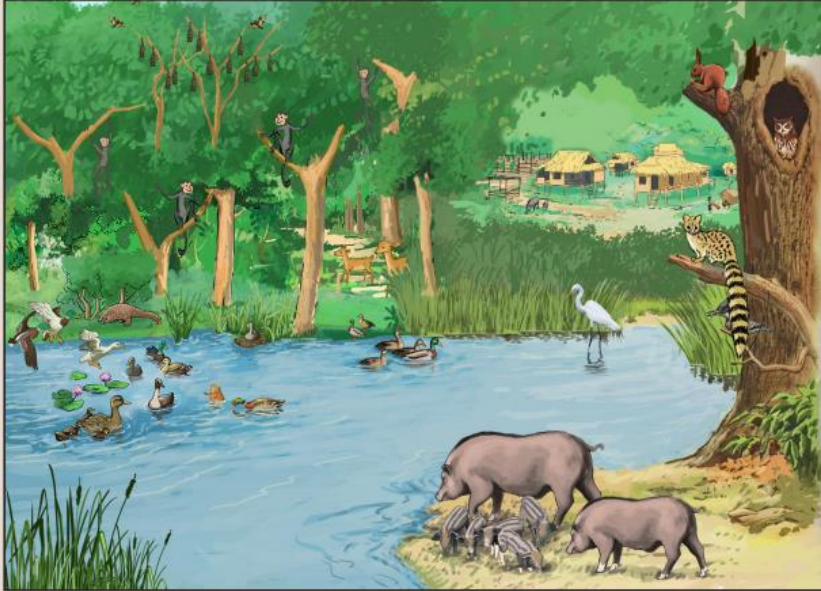
Scope

This SOP is to be applied when wildlife is found sick or dead of unknown causes in natural habitats, wildlife farms, zoos, wildlife rescue and rehabilitation centres, circuses, along the trade chain, in communities, or otherwise.



Chapter I

Introduction



Objective

To establish a functional surveillance network which responds to disease outbreaks and other health events in wildlife through inter-sectoral collaborations;

To serve as an implementation guide for unified, nation-wide surveillance and management of data on wildlife health;

To guide the early detection, risk assessment, investigation, and rapid respond to wildlife morbidity/mortality events in Laos;

To protect life of humans, animals, and the environment.

Chapter II

Standard operating procedures for wildlife health surveillance in Lao PDR



Standard operating procedures for when wildlife morbidity/mortality events are detected.



Standard operating procedures for laboratory diagnostics of wildlife specimens



Standard operating procedures for wildlife disease outbreak management and control



Standard operating procedures for wildlife data management

To ensure early detection of and response to disease events in wildlife and includes the following **four sections**:

1. SOP for when wildlife morbidity/mortality events are detected.
2. SOP for laboratory diagnostics of wildlife specimens.
3. SOP for wildlife disease outbreak management and control.
4. SOP for wildlife health data management.

SOP for when wildlife morbidity/mortality events are detected

The five steps to be followed:



1. Recording information



2. Reporting



3. Sampling and specimen collection



4. Carcass and soiled PPE (consumable) disposal



5. Temporary storage and shipment of specimens

Reporting step



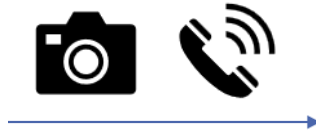
(Government staff)



????



(Staff of other organizations)



????

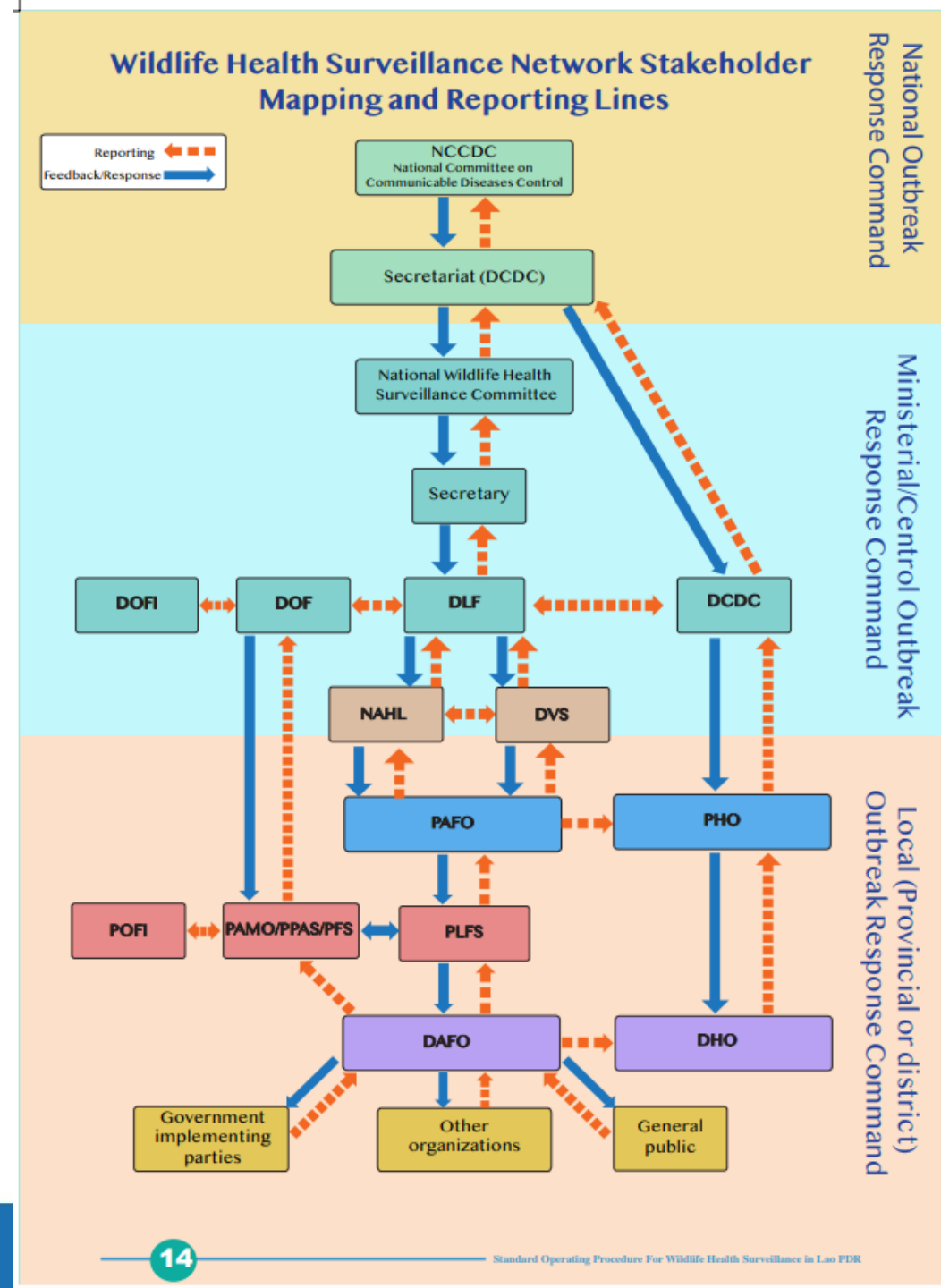


(General public)



Village Head, Village authorities

Wildlife Health Surveillance Network Stakeholder Mapping and Reporting Line





ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ
ສັນຕິພາບ ເອກະລາດ ປະຊາທິປະໄຕ ເອກະພາບ ວັດທະນະຖາວອນ

ກົດໝາຍ

ວ່າດ້ວຍສັດປ່າ (ສະບັບປັບປຸງ)

LAW

ON WILD ANIMAL (Revised)

ຈັດພິມໂດຍ

ກົມປ່າໄມ້, ກະຊວງ ກະສິກໍາ ແລະ ປ່າໄມ້
ສົມທົບກັບ ກົມໂຄສະນາເຜີຍແຜ່ກົດໝາຍ, ກະຊວງຍຸຕິທໍາ

Printed by:

Department of Forestry, Ministry of Agriculture and Forestry
in cooperation with Law Dissemination Department,
Ministry of Justice

2024

ສະຫງວນລິຂະສິດ

Law on wild animal in Laos 2024

Chapter VIII Budget and National Wild Animal Day

Article 77 (New) Budget

The budget used in wild animal activities includes :

1. State budget;
2. Forest Protection Fund;
3. Grant and contribution from individuals, legal entities and state organizations, both domestic and overseas;
4. Other lawful revenues.

The management and use of budget shall be performed in compliance with the Law on State Budget and relevant regulations.

Article 78 (Amended) National Wild Animal Day

The Government designates the 3rd of March of every year as the National Wild animal Day with the aim of ensuring the management, protection and development of wild animal to become abundant and sustainable.

Section 5 Prevention and Control of Wild Animal Disease

Article 46 (New) Prevention of Wild Animal Disease.....22

Article 47 (New) Notifiable Wild Animal Diseases23

Article 48 (New) Wild Animal Disease Surveillance.....23

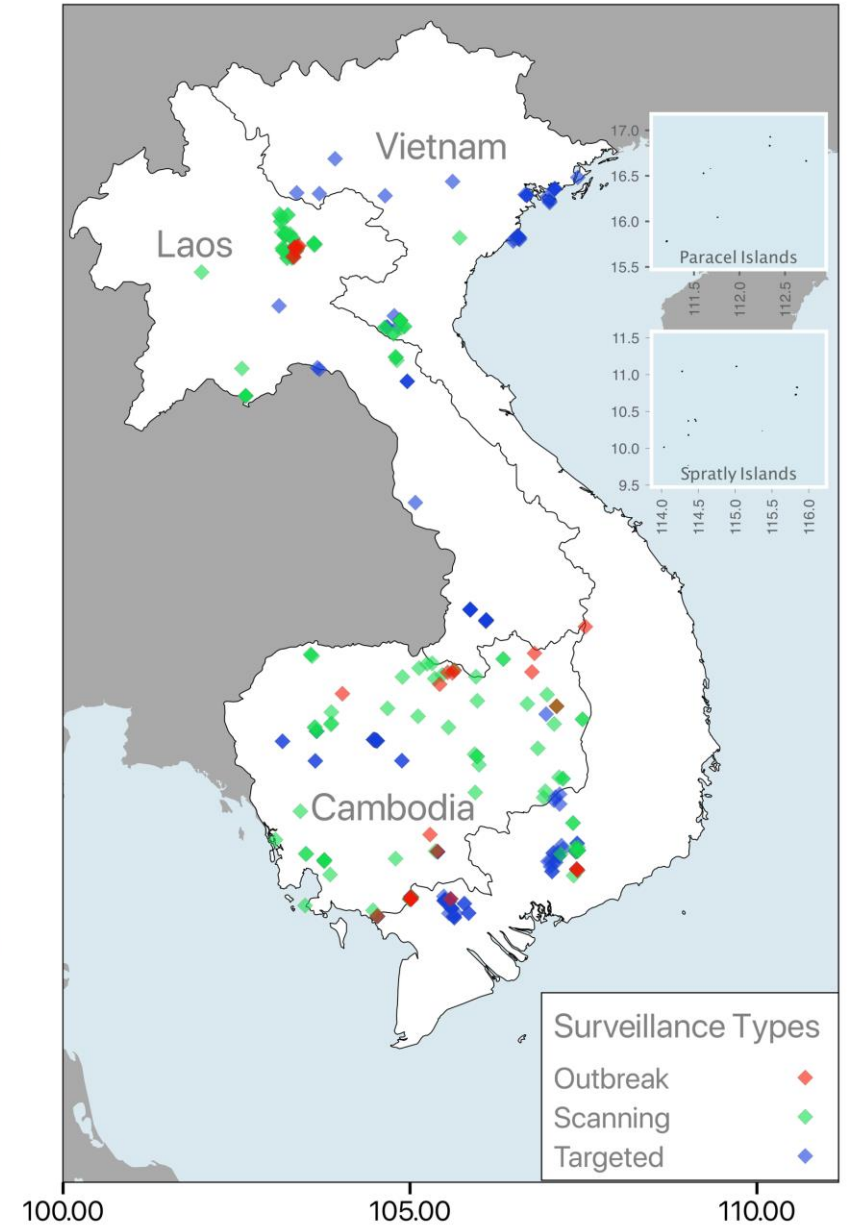
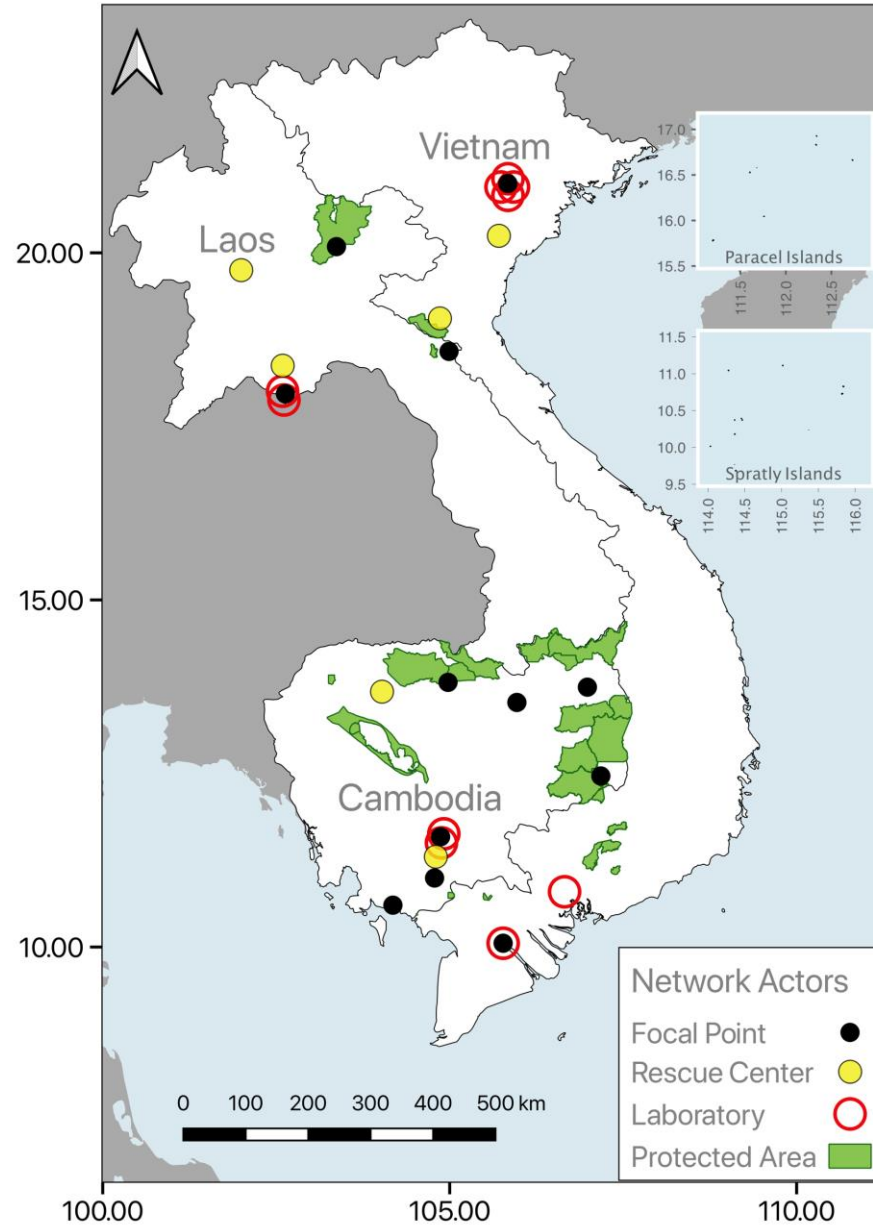
Article 49 (New) Wild Animal Disease Report.....23

Article 50 (New) Declaration and Cancellation of Notifiable
Wild Animal Disease.....24

Article 51 (New) Control of Wild Animal Disease.....25



WildHealthNet: Building a National Wildlife Health Surveillance Network in Lao PDR



This initiative was supported by the Biological Threat Reduction Program of the US Department of Defense

WHN activities



Early detection, early response

Investigating
sick or dead
wildlife



Policy

SOP for
responding to
wildlife health-
related events



Training frontline animal health & conservation staff

Biosafety (PPE),
sample collection,
data collection &
reporting



Surveillance of dangerous pathogens

African Swine
Fever
Avian Influenza
Rickettsiales (in
rodents)



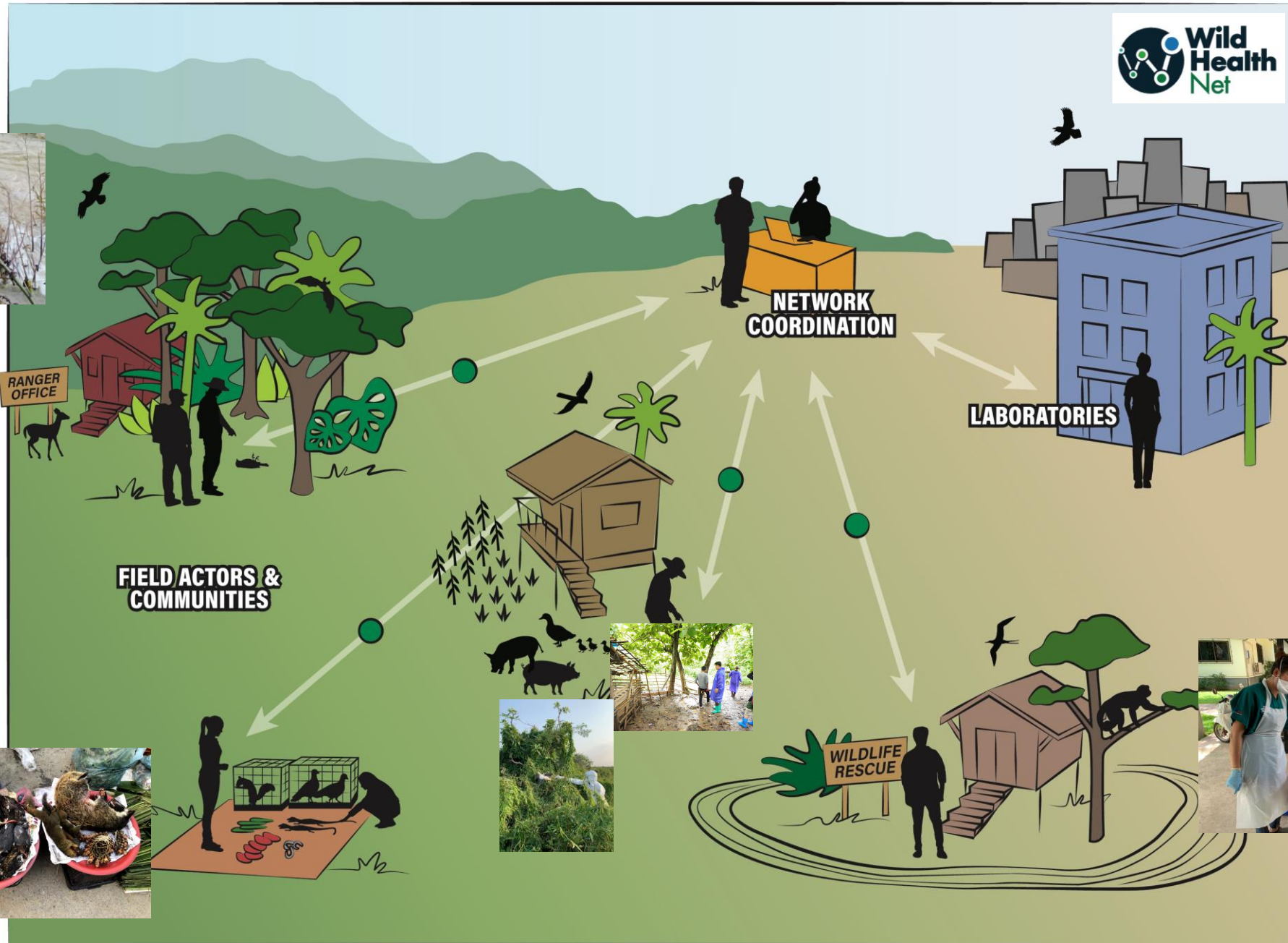
Laboratory Capacity

Improving
capacity at
government
animal health lab

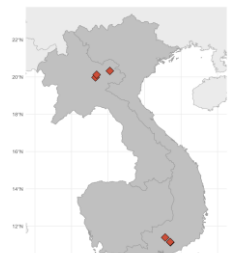


Data Management

Gold-standard
wildlife health
data
management
platform
SMART for Health



African Swine Fever



First detection of ASF in SE Asia wildlife



● : Local focal points, local government officers, other sector-specific points of contact

African Swine Fever

- Supporting passive participatory surveillance and reporting of wild boar carcasses by villagers, hunters, rangers, and animal health workers through community outreach
- Findings published (2020)



Received: 30 September 2020 | Revised: 6 December 2020 | Accepted: 18 December 2020
DOI: 10.1111/tbed.13964

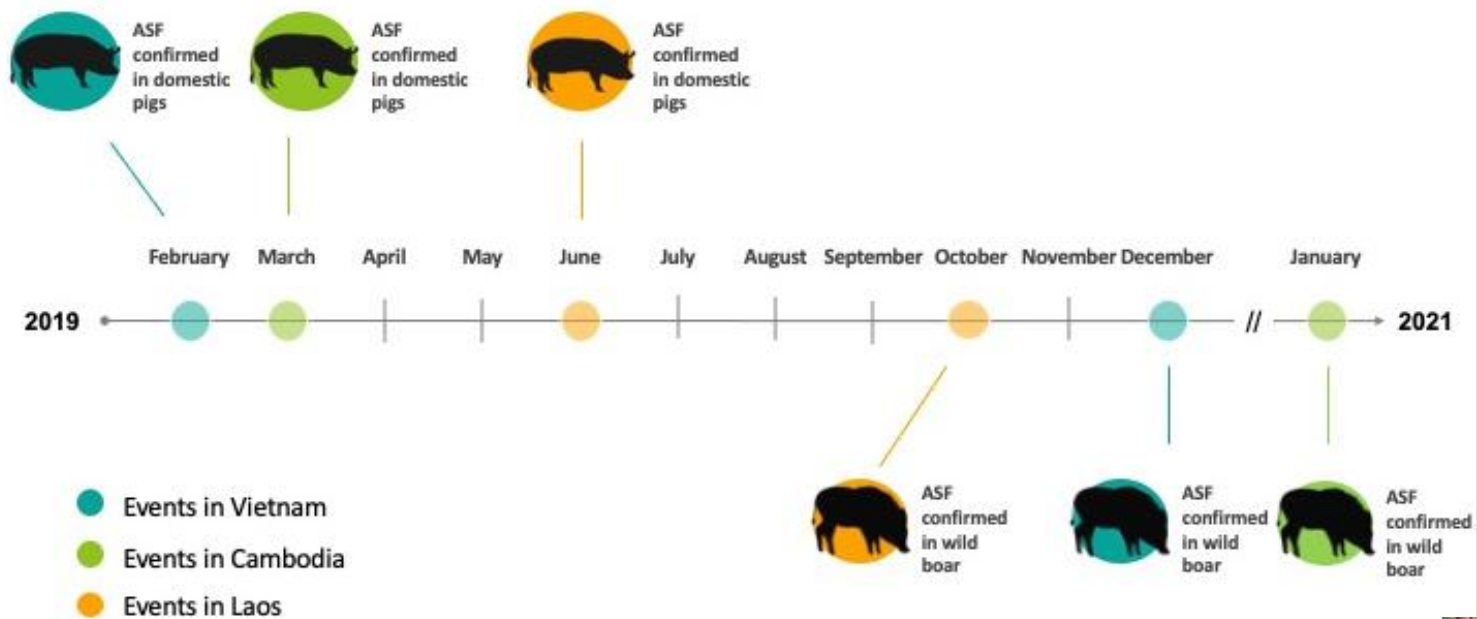
RAPID COMMUNICATION

Transboundary and Emerging Diseases | WILEY

Detection of African swine fever virus in free-ranging wild boar in Southeast Asia

Emily Denstedt^{1,2} | Alice Porco^{2,3} | Jusun Hwang^{2,4,5} | Nguyen Thi Thanh Nga⁴ |
Pham Thi Bich Ngoc⁴ | Sokha Chea³ | Kongsy Khamvong¹ | Phonesavanh Milavong¹ |
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Quang¹¹ | Vo Van Hung¹¹ | Nguyen Thi Hoa¹² | Dao Le Anh¹² | Amanda Fine^{2,4} |
Mathieu Pruvot^{2,13}

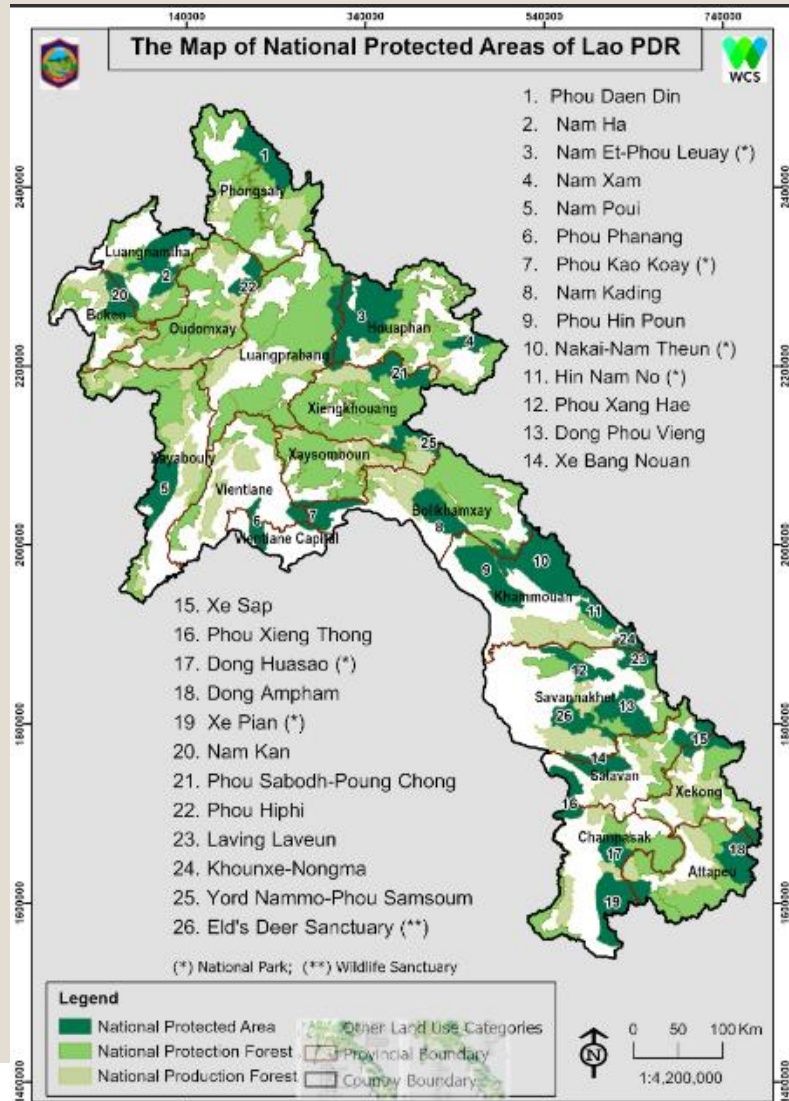




Denstedt et al. 2020



Future Plans



- Over 2434 SOP copies will print out and disseminate to all provinces
- Continue with merging the activities in wild life surveillance with World wildlife day
- refreshing and active the wildlife committee

ຂໍຂອບໃຈ



LOMWRU.

