



Mahidol University
Faculty of Veterinary Science



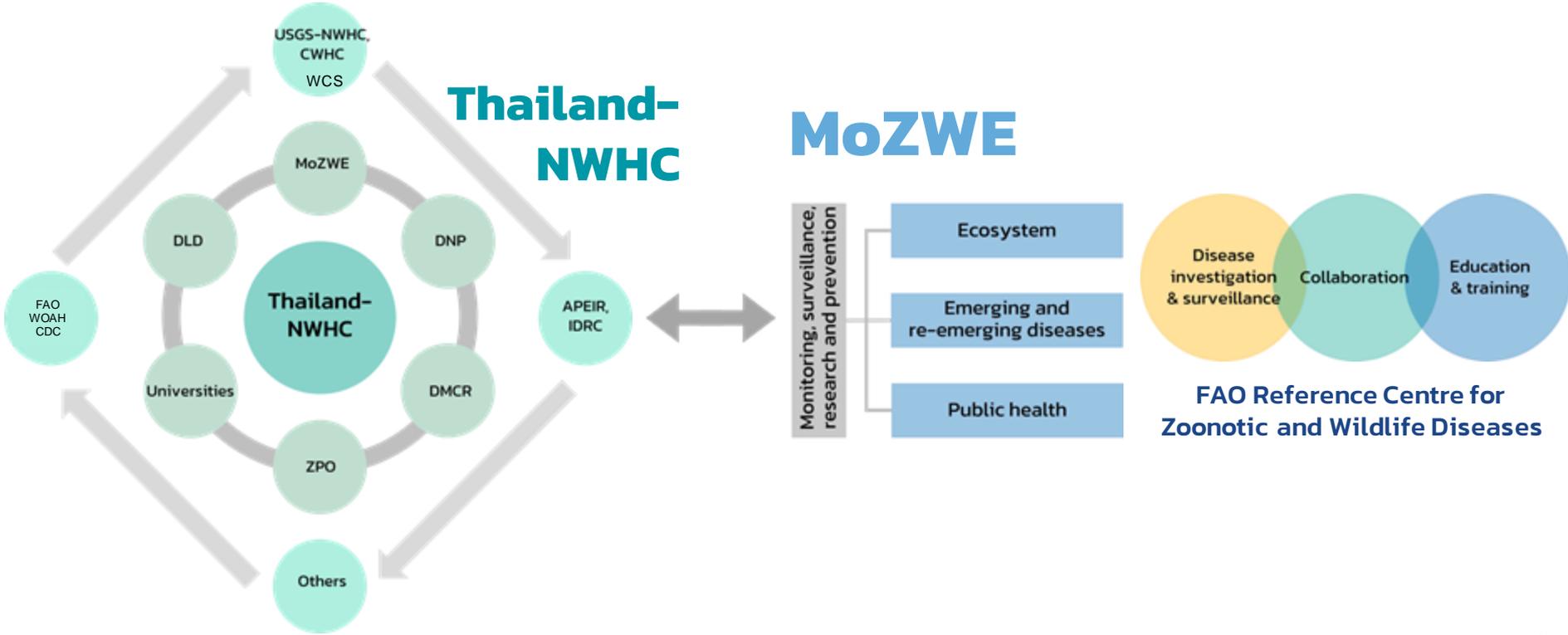
World Organisation
for Animal Health
Founded as OIE

Twinning project update

Thailand-NW HC/MoZWE

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Thailand-NWHC/MoZWE



WOAH LABORATORY (OR COLLABORATING CENTRE) TWINNING PROJECT

WOAH Laboratory (or
Collaborating Centre)
Twinning Project

- US-NWHC (National Wildlife Health Center)
- CWHC
- WCS



The ultimate goal of the Thailand-NWHC/MoZWE

WOAH Collaborating Centre for
Wildlife Health and Zoonotic Diseases
in the Asia-Pacific region

Needs Assessment for the Thailand National Wildlife Health Center (Thailand-NWHC)



The USGS NWHC and CWHC visit Thailand-NWHC to do the need assessment the OIE Twinning project during 20-25 October 2019.

World Organisation of Animal Health Twinning Project

HEALTH INFORMATION MANAGEMENT WORKSHOP (COMPETENCY I)

November 12, 2020

Activity: Health Information Management Workshop (Competency I)

Objective: To introduce the establishment of the Health Information Management and database platform for Thailand Wildlife Health Center (Thailand-NWHC)/MoZWE by speakers of Canadian Wildlife Health Cooperative and USGS National Wildlife Health Center

Output: Understanding the deep significance of the Health Information Management System

Venue: Virtual meeting

Participants: 44 participants from Mahidol University staff and Thai partners of Thailand-NWHC/ MoZWE



ONE HEALTH SURVEY

January 11 – 18, 2022

***Activity:* One Health survey**

For the survey project, professionals involved in wildlife disease surveillance were interviewed to gather more detailed information on perceived impediments and challenges to the implementation of wildlife disease surveillance as a component of One Health surveillance.

The interviews gathered more detailed, and potentially location specific, information surrounding the challenges and solutions identified in the survey. This will assist in resolving challenges to the implementation of the general wildlife disease surveillance system.

Venue: Partner institutes, Thailand (on-site)

Participants: Partners of Thailand-NWHC/MoZWE



ONE HEALTH SURVEY

Summary of wildlife disease surveillance (WDS) in Thailand

Most challenging issues of WDS

- Accessing data collected by one's own sector
- Having legal authority to conduct WDS

Most beneficial outcomes of WDS

- Disease control
- Early threat detection
- Identification of zoonotic diseases
- Trust among sectors

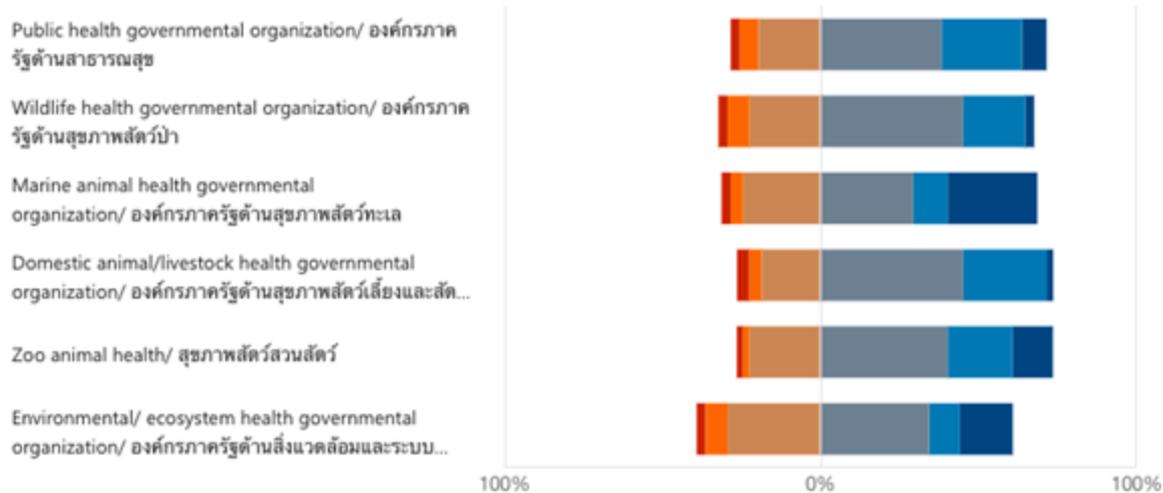
The highest priority areas for improvement to WDS

- Allocation of human resource
- Adequate budget
- Having a clear communication system between sectors

ONE HEALTH SURVEY

The ability to share and receive information with each of the below sectors

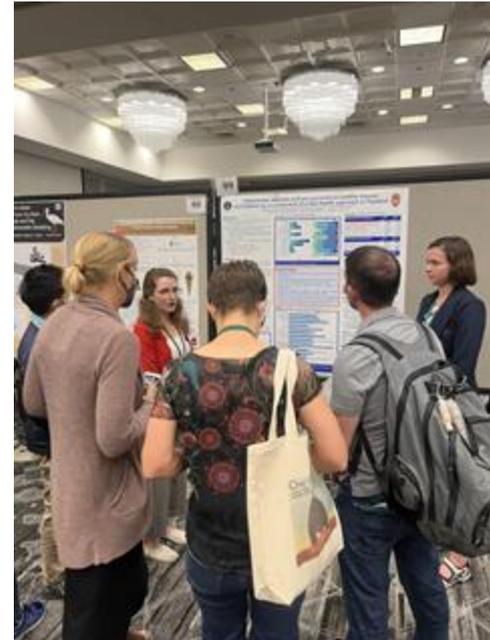
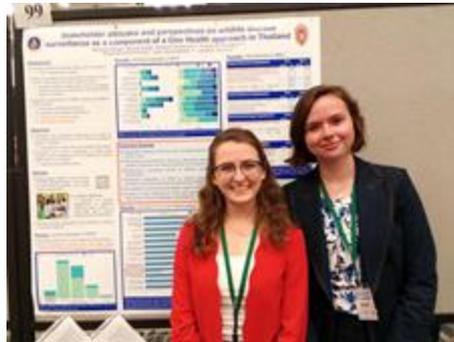
Very dissatisfied/ ไม่พอใจมาก Dissatisfied/ ไม่พอใจ Neutral/ เฉย ๆ Satisfied/ พอใจ Very satisfied/ พอใจมาก
Not applicable/ ไม่สามารถตอบได้



The information indicates that communication in the marine and environmental sectors with the other health professionals should be improved.

ONE HEALTH SURVEY

Poster presentation: *Stakeholder attitudes and perspectives on wildlife disease surveillance as a component of a One Health approach in Thailand*



HEALTH INFORMATION MANAGEMENT WORKSHOP (COMPETENCY II-IV)

March 22 - 24, 2022

Thailand Wildlife Health Information Management Virtual Workshop

Activities: Working group discussion to find the challenges related to wildlife disease/health surveillance and related information management, the readiness of the wildlife health community, and moving forward to develop and implement a data and information management system.

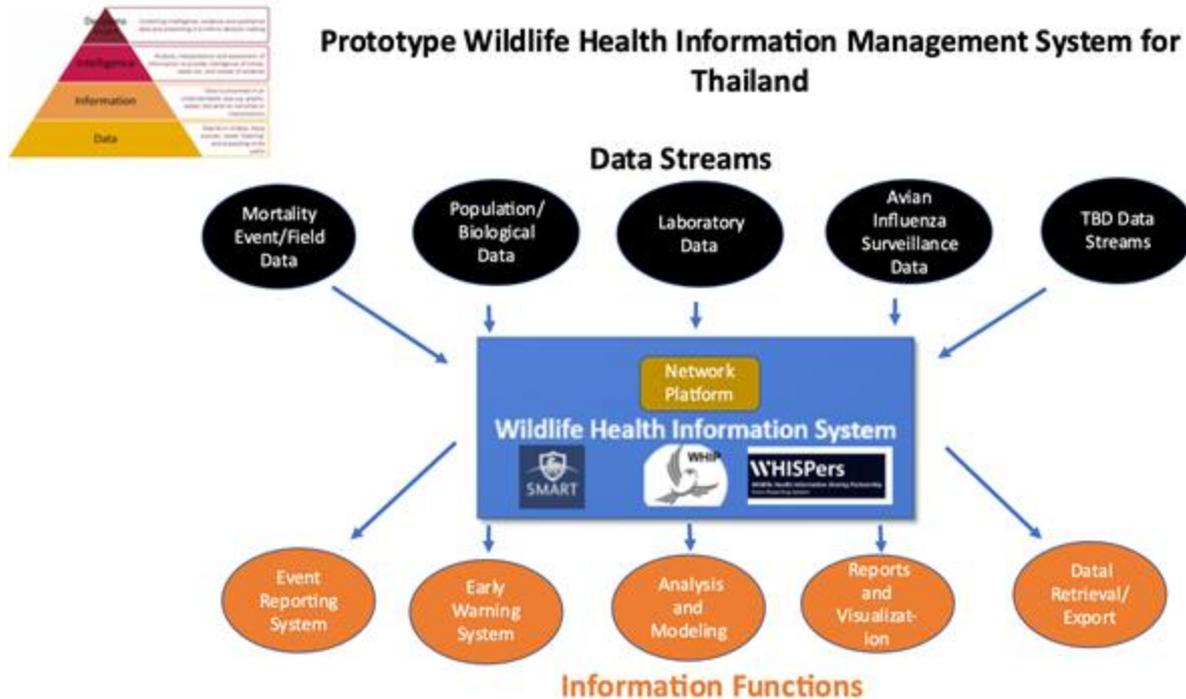
Venue: Virtual meeting

Participants: Thai partners of Thailand-NWHC/MoZWE



HEALTH INFORMATION MANAGEMENT WORKSHOP (COMPETENCY II-IV)

Prototype of Wildlife Health Information Management System for Thailand



HEALTH INFORMATION MANAGEMENT WORKSHOP (COMPETENCY II-IV)

Summary

- The lack of a centralized wildlife health information management system was identified as a key gap in wildlife disease surveillance capacity and an impediment to effective inter-jurisdictional (One Health) data sharing.
- Should establish a surveillance network with a clear purpose, governance structure, and associated inter-agency agreements.

HEALTH INFORMATION MANAGEMENT WORKSHOP (COMPETENCY II-IV)

Recommendations

- Take an incremental and iterative approach to development would be helpful. This will allow for the project to be broken down into smaller, more achievable steps.
- Adoption of the SMART and WHIP as a first phase is recommended as those systems would form the basis of data collection and management.

General Disease Surveillance and Outbreak investigation

May 30 – June 2, 2022

Activity: Workshop for enhancement of the existing general wildlife disease surveillance activities. The specific goals were:

- *Co-create a general wildlife disease surveillance plan for Thailand, including governance structure for a network and data sharing.*
- *Conduct a table-top exercise on a wildlife disease outbreak investigation in Thailand to evaluate current roles and responsibilities of various partners and identify potential preparedness needs.*
- *Develop logic model for enhancement of general wildlife disease surveillance system for Thailand, including current resources, lists of needed protocols/SOPs, and training needs to implement a general wildlife disease surveillance network.*

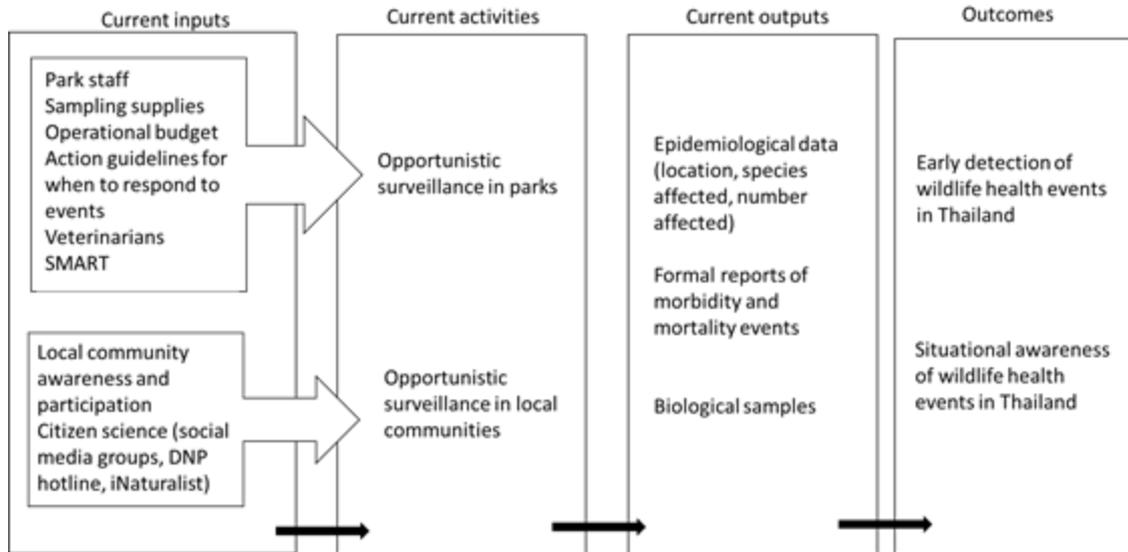
Venue: Holiday Inn, Pattaya, Thailand

Participants: Thai partners of Thailand-NWHC/MoZWE and Wildlife Focal Point and WCS of LAOS PDR



General Disease Surveillance and Outbreak investigation

Use of a logic model process to identify steps needed to enhance general surveillance in Thailand and overcome identified gaps



Example: Logic model describing the current resources (inputs), activities, and products (outputs) associated with the field detection network component of general surveillance in Thailand.

General Disease Surveillance and Outbreak investigation

The logic models identified the following recommendations for training and workshops on topics including:

- Specimen collection and general wildlife disease surveillance (train the trainer for field staff)
- Disease control and prevention
- Training for data system (users and operators)
- Training on how to design disease surveillance
- Wildlife disease prioritization exercise
- Training on coordination and communication (network management)
- Need for standard operating procedures (SOP)
- Need for formation of a steering committee, and agreements such as memoranda of understanding (MOU) developed jointly with all partners participating in the national surveillance for wildlife diseases

General Disease Surveillance and Outbreak investigation

Recommended Next Steps

- Pursuit of formation of a national level policy that would ensure sustainable resources to support the Thailand-NWHC, the development and maintenance of an information management system and centralized database and general wildlife disease surveillance activities.
- Continue to explore piloting a wildlife disease data and information management system.
- The Thailand National Wildlife Health Center should create a web-based information resource center where disease plans, SOPs, field manuals, information on diagnostic laboratories, and other information deemed useful by the community, etc., can be shared.
- Create a plan to obtain the identified training needs

World Organisation of Animal Health Twinning Project

Delegation from the Thailand NWHC visited the USGS National Wildlife Health Center
21 July 2022



Activities

- USGS National Wildlife Health Center (NWHC) tour
- Discussion with the NWHC team

Discussion points

- WHISPers database setting and management
- Epidemiology duties and case submission
- Partner networks, communications, and outreach

Future plans

Leadership training and train the trainers on epidemiological skills

December 6 - 9, 2022

Activity: Leadership training and train the trainers to fulfill epidemiological skills to Thai partners on wildlife health network

Participants: Thai partners of Thailand-NWHC/MoZWE



Thank you!