ARAHIS Onboarding event

Dr Jenny Hutchison
Head of WAHIAD

19 August 2025
Laos

World Organisation for Animal Health
Organisation mondiale de la santé animale
Organización Mundial de Sanidad Animal

Agenda

1. Introductions
2. Objectives
3. The ARAHIS approach
4. Before 1 January 2025
5. From 1 January 2025
6. One-hour exercise
7. What reporting should be from 1st January 2025
8. Effective use of ARAHIS new mechanism since 1st January 2025
9. Exercises
10. Dashboard exercises
11. Next steps
12. Support for you
13. Post-training knowledge assessment

Introductions

Introduce yourself by covering these key points:

- ✓ Your role in WOAH (WAHIS) reporting.
- ✓ Your role in ARAHIS reporting.
- ✓ What you would like to get from today.
- ✓ Have you been using the new ARAHIS reporting approach?

Objectives

1. Know how to complete single portal (WAHIS) reporting for ARAHIS.

2. Clear up misunderstandings on ARAHIS reporting.

3. Share initial thoughts on the ARAHIS dashboard.

4. Get engagement for the ARAHIS approach.

5. Deal with any questions.

The ARAHIS approach

An overview of what happened with WAHIS and ARAHIS reporting before 1 January 2025 and how it changed after 1 January 2025

BEFORE 1 JANUARY 2025

Before 1 January 2025

WAHIS

Exceptional events: immediate notifications and weekly follow-up reports.

Six-monthly reports: presence or absence of listed diseases; occurrence code, quantitative data, control measures.

+

ARAHIS

Monthly update on 5 ARAHIS priority diseases in the ARAHIS platform **FMD, AI, CSF, Newcastle disease & rabies.**

Disease situation for these diseases were available on the ARAHIS platform

ARAHIS history

- System was set up in 2006.
- Developed for use by 10 ASEAN Member States for priority diseases (i.e. FMD, AI, CSF, Newcastle disease, rabies).
- MOUs were signed between ASEAN and WOAH to facilitate the interconnectivity between ARAHIS and WAHIS in 2008, 2011 and 2021.

MEMORANDUM OF UNDERSTANDING
BETWEEN
MEMBERS OF THE ASSOCIATION OF SOUTHEAST ASIAN NATIONS (ASEAN)
AND
THE WORLD ORGANISATION FOR ANIMAL HEALTH (OIE)

The Governments of Brunei Darussalam, the Kingdom of Cambodia, the Republic of Indonesia, the Lao People's Democratic Republic, Malaysia, the Republic of the Union of Myanmar, the Republic of the Philippines, the Republic of Singapore, the Kingdom of Thailand and the Socialist Republic of Viet Nam, Member States of the Association of Southeast Asian Nations ("ASEAN"), hereinafter referred to individually as "ASEAN Member State" or collectively as "ASEAN Member States",

and

The World Organisation for Animal Health, with headquarters at 12 rue de Prony, 75017 Paris, France, hereinafter referred to as "the OIE", duly represented by its Director General, Dr. Bernard Vallat,

RECOGNISING that the OIE has developed the World Animal Health Information System (WAHIS), an on-line information system for the submission and reporting of official animal disease information by OIE member countries to the OIE;

NOTING that a number of regional organisations have already established regional animal disease reporting systems and therefore recognising the need to avoid duplication and

MEMORANDUM OF UNDERSTANDING BETWEEN THE ASSOCIATION OF SOUTHEAST ASIAN NATIONS AND THE WORLD ORGANISATION FOR ANIMAL HEALTH ON TECHNICAL COOPERATION

The Association of Southeast Asian Nations (ASEAN) and the World Organisation for Animal Health (OIE) (hereinafter individually referred to as the "Participant" and collectively as the "Participants"),

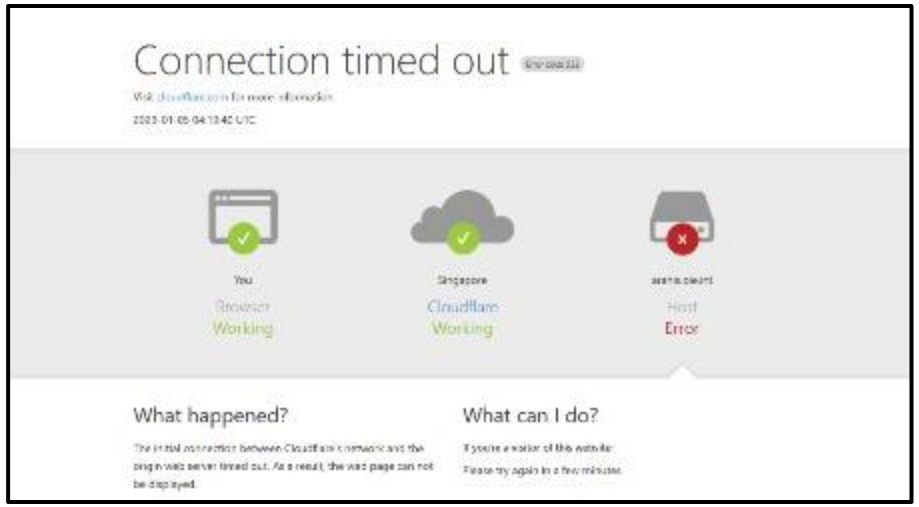
CONSIDERING that most of the ASEAN Member States have significant livestock populations and the livelihoods of more than half of the population of ASEAN depend directly or indirectly on livestock production;

ACKNOWLEDGING that the OIE is an intergovernmental organisation recognised by the World Trade Organization as a reference organisation for international standards concerning the sanitary safety of international trade of animals and products of animal origin and zoonoses, and is in charge of improving animal health, veterinary public health, and animal welfare worldwide, as well as transparency of the global animal disease situation;

REALISING that it is within the mutual interest of ASEAN and OIE to enhance their cooperation in further developing the livestock sector of the ASEAN region through strategic actions in strengthening of veterinary services, preventing and controlling of animal diseases and zoonoses, and facilitating trade in animal and animal products;

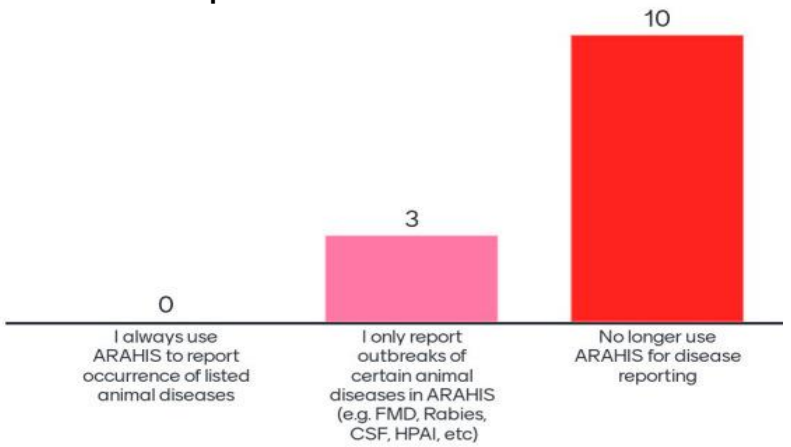
Historic ARAHIS considerations

- System is outdated and unsupported.
- Members only report FMD (no reports in 2023).
- No backup plans.
- The system code is no longer available.
- Incompatibility with other systems (needs to be updated).
- Frequent failure to access.
- Emerging disease events required to report: ASF, LSD, AHS.
- Verification and validation no longer available.

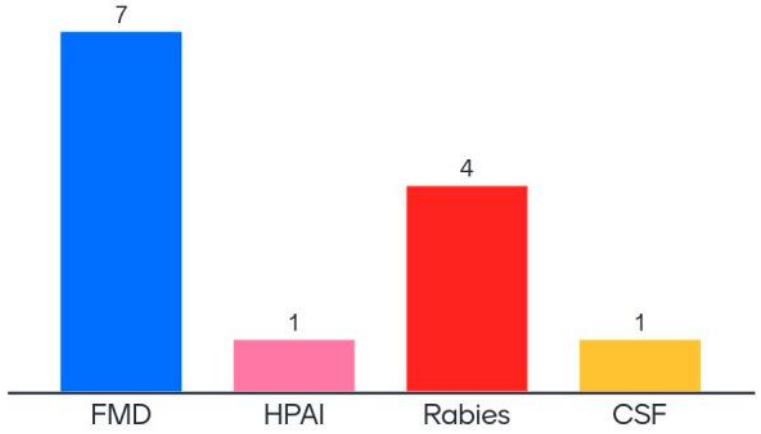


ARAHIS technical discussions

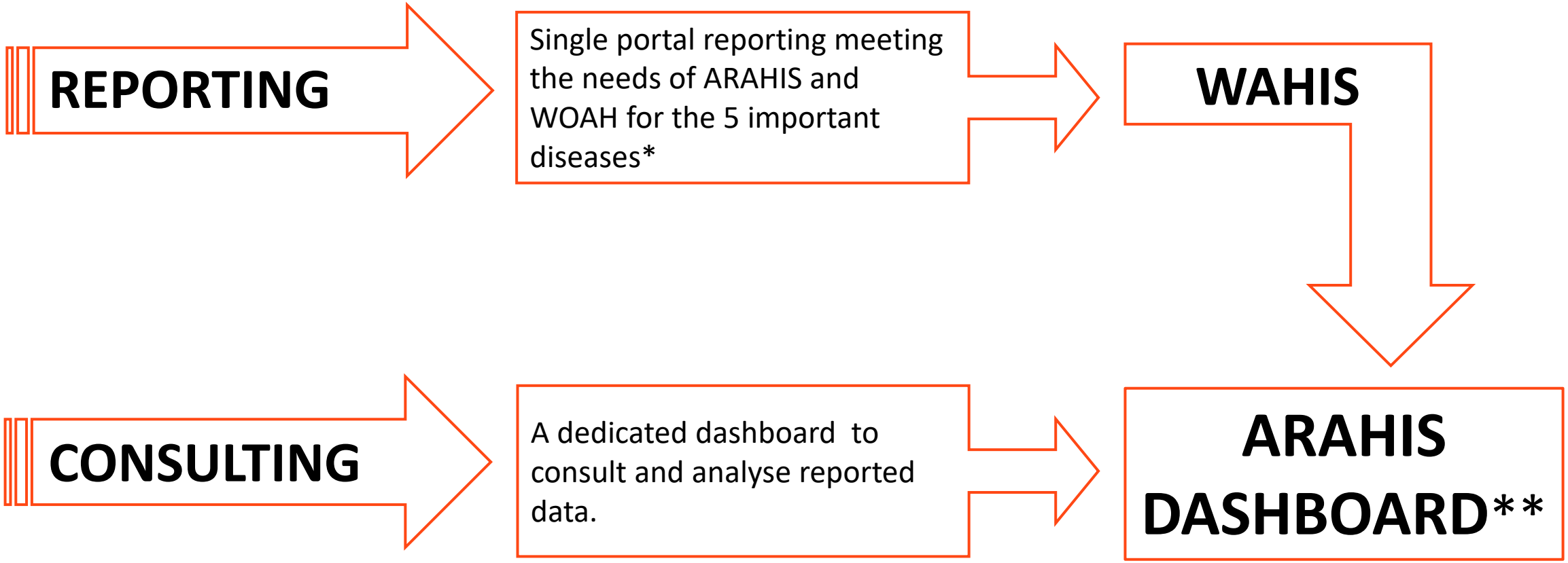
How frequently do you use ARAHIS to report animal diseases?



What diseases have you previously reported using ARAHIS



ARAHIS requirement



** FMD, AI, CSF, Newcastle disease & rabies. Two more diseases were added on 1/1/2025: ASF and LSD*

** * Will be published on the website for ACCAHZ (not in WAHIS)*

ARAHIS decision 2024: decommissioning of ARAHIS

ANIMAL & VETERINARY SERVICE

National Parks Board
Animal & Veterinary Service
Singapore Botanic Gardens
1 Cluny Road, Singapore 259569
Tel: (65) 64717806 Fax: (65) 64723032
www.nparks.gov.sg
www.facebook.com/AnimalBuzz50

Dear ASEAN Member States,

The ASEAN Regional Animal Health Information System (ARAHIS), was launched in 2016, and aims to facilitate the timely sharing of disease information among ASEAN Member States and to monitor priority animal diseases, particularly FMD, in support of the SEACFMD campaign.

While the system has been in service for many years, it is no longer feasible to upgrade or maintain ARAHIS on a sustainable basis. Therefore, Singapore, a leading country for ARAHIS, in collaboration with WOAH, is working on integrating ARAHIS functionalities into the World Animal Health Information System (WAHIS) reporting platform. This proposed alignment will ensure continued disease reporting and monitoring within the region.

As updated during the 32nd ASEAN Sectoral Working Group for Livestock Meeting held in Singapore this year, ARAHIS will be decommissioned by 31st December 2024. If you wish to download any data, please do so before the system is decommissioned. You may want to refer to the page 42 of the ARAHIS manual for instructions for exporting data from ARAHIS.

We will be conducting a session in November 2024 to demonstrate the new functionalities of the WAHIS platform. More details will be shared later. Should you have any questions, please do not hesitate to contact Dr. Bolortuya Purevsuren at b.purevsuren@woah.org.

Yours sincerely,

Dr Chang Siow Foong
Director-General
Animal & Veterinary Service
National Parks Board
Singapore

Copy to: WOAH SRR SEA
ARAHIS Focal Points
ASWGL Focal Points

ARAHIS was decommissioned 31 December 2024

- SRR SEA archived all available data in the system (FMD data from 2015 to 2023).
- Key historical data from ARAHIS (FMD) can be made available via Excel spreadsheet if needed.
- An official letter has been circulated to AMS for them to download their own data if stored in the system.
- No migration of ARAHIS historical data to WAHIS.

FROM 1 JANUARY 2025

WAHIS single portal reporting for *ARAHIS diseases*

WHAT?	Initial	Subsequent
1. Confirmed listed disease previously absent or never reported (and/or previously reported through the early warning module)	Immediate notification through the early warning module then weekly follow-up reports until resolved or determined to be endemic.	If endemic, close event as **stable** then continue reporting in new event with **monthly** follow-up reports through early warning module.
2. Listed disease historically reported in WAHIS through the six-monthly report as present (endemic disease) with or without a stable event in the early warning module.	If no existing stable event, **contact WOAH for assistance**. Begin with immediate notification through the early warning module then monthly follow-up reports; enter a note* in the epi comments	Keep the event as ongoing and update every month. Use 'no evolution report' if there have been no further evolutions.

Note: events reported through the early warning module will automatically transfer into the six-monthly report when this report is created; no alert will be sent in scenario 2.

* This event concerns an endemic disease in [country] but is reported through the WOAH early warning module to accommodate ARAHIS (ASEAN Regional Animal Health Information System) reporting.

Stable diseases in the Early Warning module – why?

- Users consulting WAHIS Early Warning Module are informed of the presence or suspected presence of the disease in the country or territory, even if reporting is not up-to-date.

- For non-ARAHIS diseases, it indicates that detailed information is available only on a six-monthly basis for the disease and area covered by the event.

- 256 stable disease events in the EWM
  - 23 from ASEAN member states
  - 20 from ARAHIS diseases

Questions?

World Organisation for Animal Health
Organisation mondiale de la santé animale
Organización Mundial de Sanidad Animal

Break

One-hour exercise

https://wahis.woah.org/#/home

Diseases: FMD, AI, CSF, Newcastle disease, rabies, ASF and LSD

For your country, consulting WAHIS, identify:

1. Which of the ARAHIS diseases are to be reported through the early warning module as exceptional events.
2. Which of the historically reported-as-present-in-the-six-monthly-report diseases are to be reported through the early warning module under the ARAHIS/WAHIS single entry point.
3. Which, of the latter, were declared stable through a final report.
4. Report back by country (to be captured by facilitators).

Lunch

Exercises

By group, consider the following scenarios and provide answers to the questions.

Group exercise

Participants will be divided into four groups

Each group will begin their exercise correspondeding to their group number:

- Group 1 → Exercise 1
- Group 2 → Exercise 2
- Group 3 → Exercise 3
- Group 4 → Exercise 4

All groups will then complete all exercises in sequence.

The assigned representative from each group will present the results of their group's work.

Exercise 1

I am a Focal Point from an ASEAN Member State. In the second semester of 2024, I have reported infection with high pathogenicity avian influenza viruses (poultry) in my six-monthly report as absent. We did not confirm the disease in the first semester of 2025 either.

- **Considering the ARAHIS approach, what and where shall I report this in WAHIS?**

Exercise 2

I am a Focal Point of an ASEAN Member State. It is 19 August 2025. Since 1 July 2025 my country has an ongoing event for Newcastle disease in WAHIS.

1. **What should I now do with this event considering the ARAHIS approach?**

2. **What will happen with this information once I create my six-monthly report for the second semester of 2025?**

Exercise 3

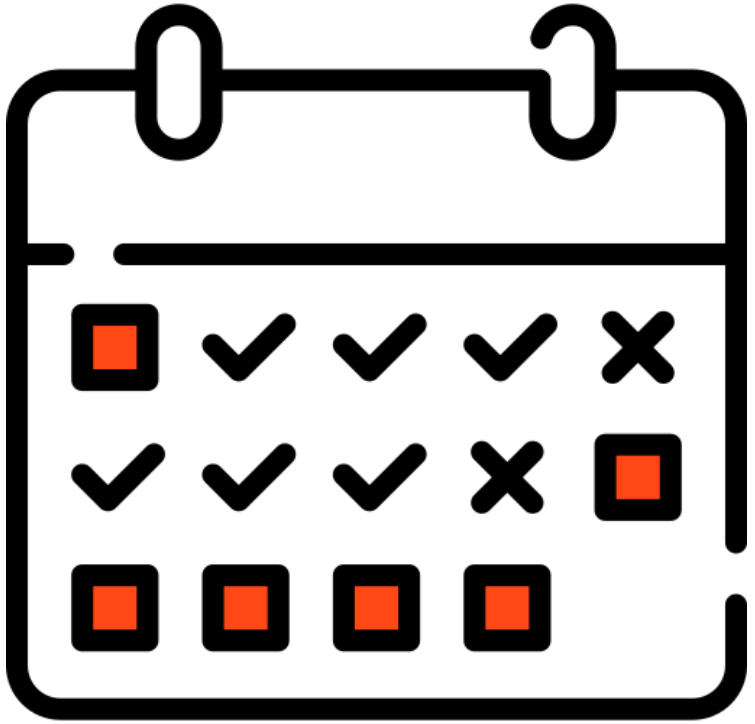
I am a Focal Point from an ASEAN Member State. My country has historically been reporting rabies as present solely in our six-monthly reports.

We have had some cases in February 2025, March 2025 and June 2025.

1. **How shall I now report using the ARAHIS approach?**

2. **What should I do for April and May 2025, as there were no confirmed cases?**

3. **What will happen with this information once I create my six-monthly report for the first semester of 2025?**



Exercise 4

I am a Focal Point from an ASEAN Member State. My Delegate has just confirmed foot and mouth disease on a farm. My country never had foot and mouth disease or it was historically eradicated.

1. **Where and what kind of report should I make?**
2. **What will happen with this information once I create my six-monthly report in WAHIS?**

The disease has now spread, and my Delegate has decided that we should not continue an eradication strategy but instead monitor the disease as an endemic disease.

1. **What should I now do with my existing event?**
2. **Where should I subsequently report?**

Dashboard exercises

ASEAN Dashboard development

- Menti meter Session
- Demo ASEAN Dashboards
- Discussion to improve dashboard

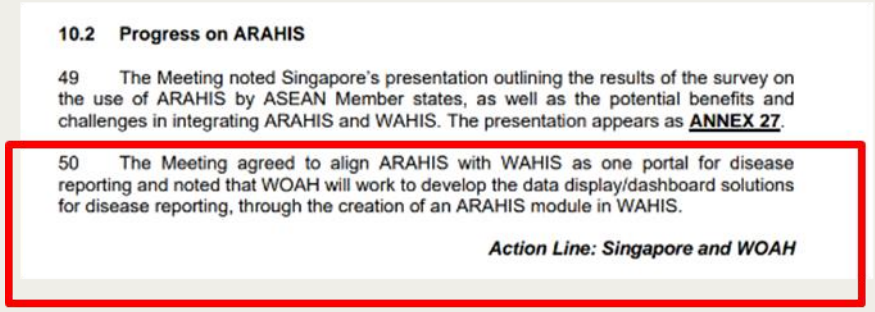
Menti meter questions

1. Are you familiar with any of the WAHIS dashboards? Yes/No/Not sure
2. What would be the benefits of having an ASEAN animal disease dashboard ?
   Open ended
3. Which animal disease would you like to have a real-time dashboard for?
   Please specify the disease name
4. What features or information would you like to see on an animal disease dashboard? Please list

Objective of the ASEAN dashboards

Fit the needs of the ASEAN?

REPORT OF THE THIRTY-FIRST MEETING OF
THE ASEAN SECTORAL WORKING GROUP ON LIVESTOCK
(The 31st ASWGL)
5-7 July 2023, Hybrid Meeting
Metro Manila, Philippines

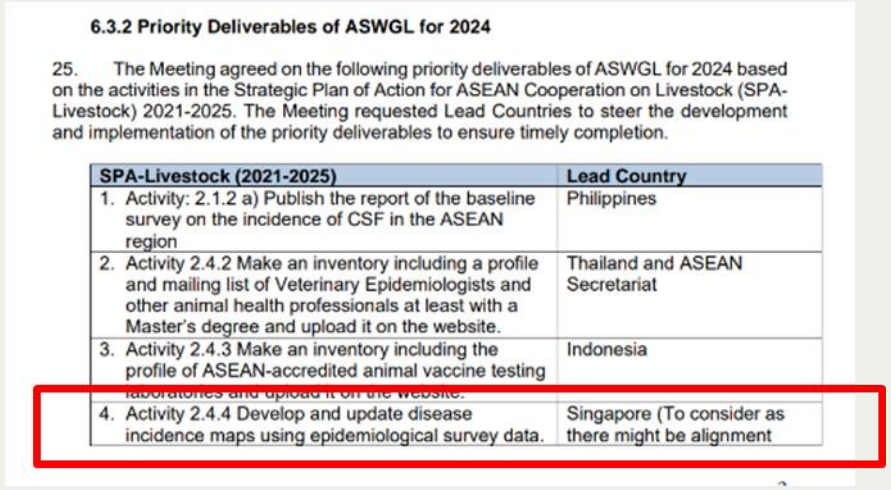


10.2 Progress on ARAHIS

49 The Meeting noted Singapore's presentation outlining the results of the survey on the use of ARAHIS by ASEAN Member states, as well as the potential benefits and challenges in integrating ARAHIS and WAHIS. The presentation appears as **ANNEX 27**.

50 The Meeting agreed to align ARAHIS with WAHIS as one portal for disease reporting and noted that WOAH will work to develop the data display/dashboard solutions for disease reporting, through the creation of an ARAHIS module in WAHIS.

Action Line: Singapore and WOAH



6.3.2 Priority Deliverables of ASWGL for 2024

25. The Meeting agreed on the following priority deliverables of ASWGL for 2024 based on the activities in the Strategic Plan of Action for ASEAN Cooperation on Livestock (SPA-Livestock) 2021-2025. The Meeting requested Lead Countries to steer the development and implementation of the priority deliverables to ensure timely completion.

SPA-Livestock (2021-2025)	Lead Country
1. Activity: 2.1.2 a) Publish the report of the baseline survey on the incidence of CSF in the ASEAN region	Philippines
2. Activity 2.4.2 Make an inventory including a profile and mailing list of Veterinary Epidemiologists and other animal health professionals at least with a Master's degree and upload it on the website.	Thailand and ASEAN Secretariat
3. Activity 2.4.3 Make an inventory including the profile of ASEAN-accredited animal vaccine testing laboratories and upload it on the website.	Indonesia
4. Activity 2.4.4 Develop and update disease incidence maps using epidemiological survey data.	Singapore (To consider as there might be alignment

- Provide real time, data driven information
- Visualize Geographic Spread of disease and highlight high-risk areas
- Monitor disease trends and outbreaks, support targeted interventions

ASEAN Sectoral Working Group for Livestock 2023 and 2024

Extracts from Report of the 31st ASWGL, 2023

5 – 7 July 2023, Manila, The Philippines

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Action Line: Singapore and WOAH

Extracts from Report of the 32nd ASWGL

16 – 18 July 2024, Singapore

28. Concerning the development and update on the disease incidence maps using epidemiological survey data, the Meeting noted that Singapore proposes to do this through the utilisation of the data extracted from the World Animal Health Information System (WAHIS), as the reporting of diseases of concern through ASEAN Regional Animal Health Information System (ARAHIS) will be integrated to WAHIS.

Action Line: Singapore

AGENDA ITEM 11. ASEAN LIVESTOCK INFORMATION AND COMMUNICATION TECHNOLOGY

12.1 Website on ASEAN Animal Health Cooperation

49. The Meeting took note of Indonesia's update on the progress of the development of the website including the functionalities and content of the website, which is attached as **ANNEX 22**.

50. The Meeting agreed to replace the ASEAN Animal Health Cooperation Website (AAHCW) with the ACCAHZ website.

51. The Meeting agreed for Indonesia to continue to lead the development of the ACCAHZ website with potential support from FAO and WOAH. Indonesia will develop a concept note outlining the resources needed to develop and operationalize the website.

Action Line: Indonesia and ASEC

12.2 Progress on ARAHIS

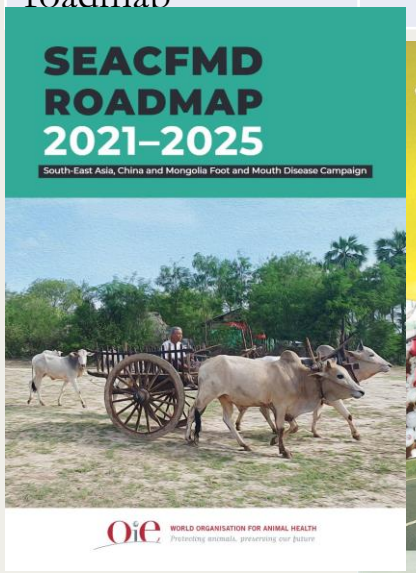
52. The Meeting noted Singapore's update on the proposed alignment of ARAHIS with WAHIS as one portal for disease reporting. This integration into WAHIS will prevent duplication in reporting and facilitate data utilization for developing disease incidence maps which could be hosted on the ACCAHZ website. The Meeting was informed that countries would be able to configure the early warning database in the WAHIS system to view reports from AMS; and that WOAH would organize a demonstration and begin piloting in January 2025.

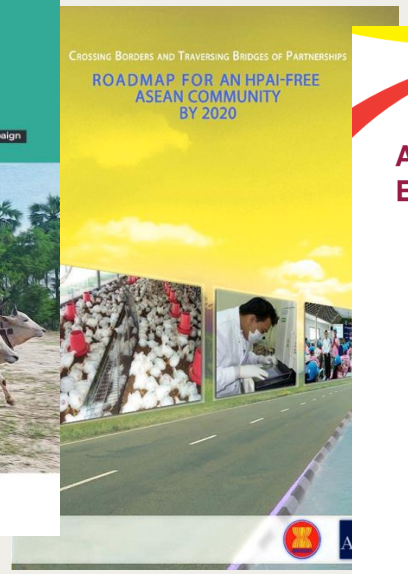
53. Considering that ARAHIS would no longer be operational in the future, the Meeting requested AMS to download their data from ARAHIS by December 2024 to preserve existing historical data.

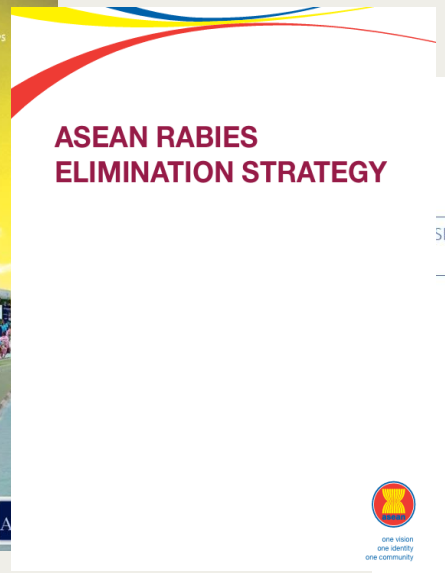
Action Line: Singapore, WOAH and AMS

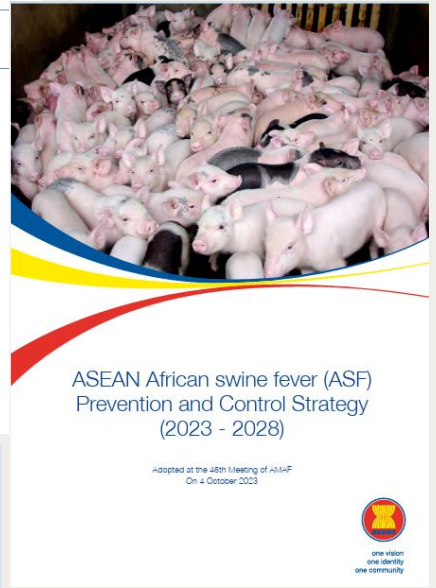
Align with ASEAN Disease Control Strategy

FMD	HPAI	ND	CSF	Rabies	LSD	ASF
SEACFMD data	+			+Under ARES	+	+
SEACFMD roadmap	Yes	?	?	ARES	Yes	Yes









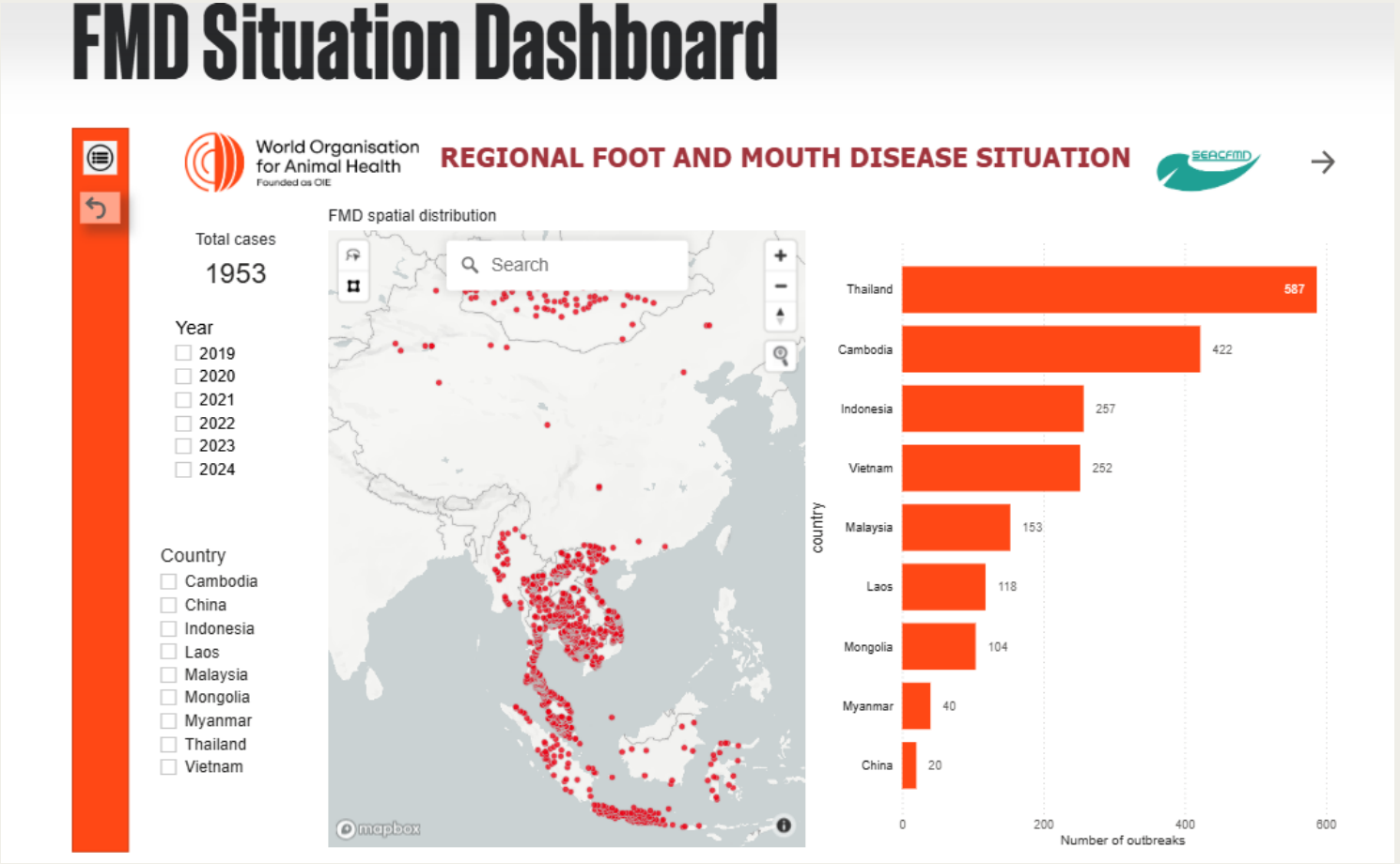
ASF outbreaks must be reported via the ASEAN Regional Animal Health Information System (ARAHIS) and the World Animal Health Information System (WAHIS) within 24 hours of confirmation.

Members are required to submit six-monthly and annual reports on ASF presence and evolution.

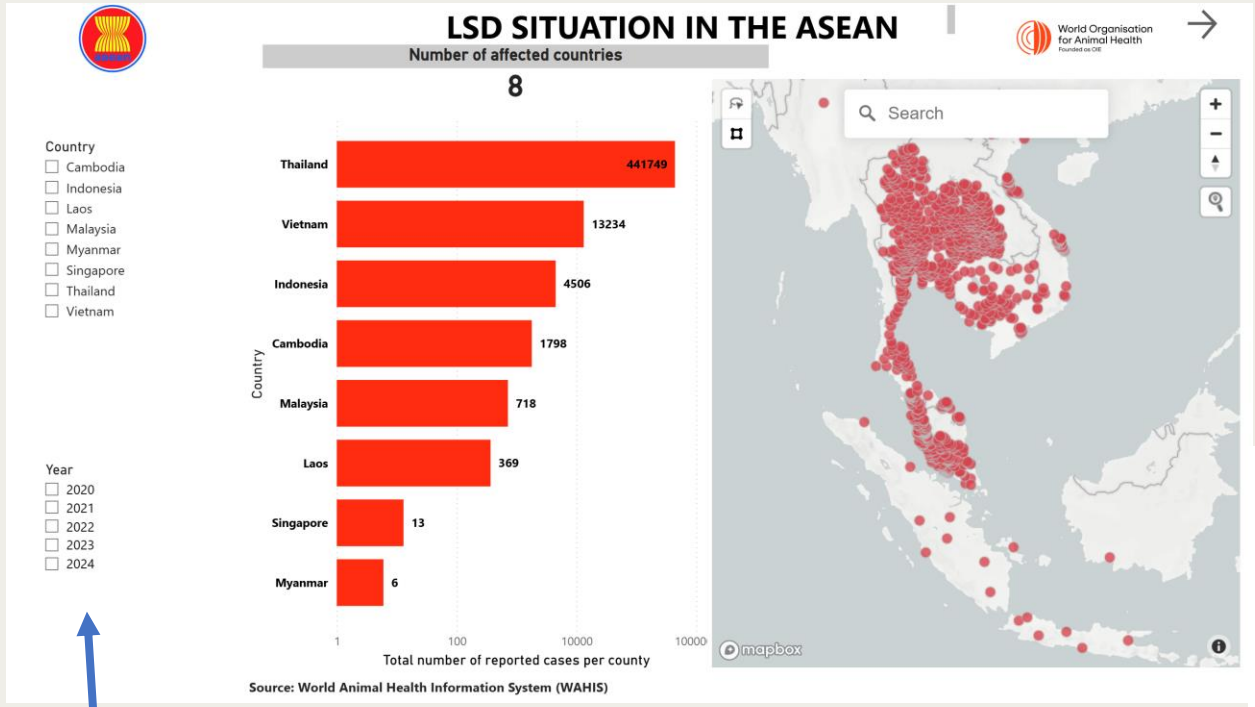
AMS are required to report LSD outbreaks via WAHIS within 24 hours and share information regionally through ARAHIS.

Disease dashboards

FMD – FMD under SEACFMD: a dynamic dashboard is developed and running well.



Demo on ASF,LSD and HPAI



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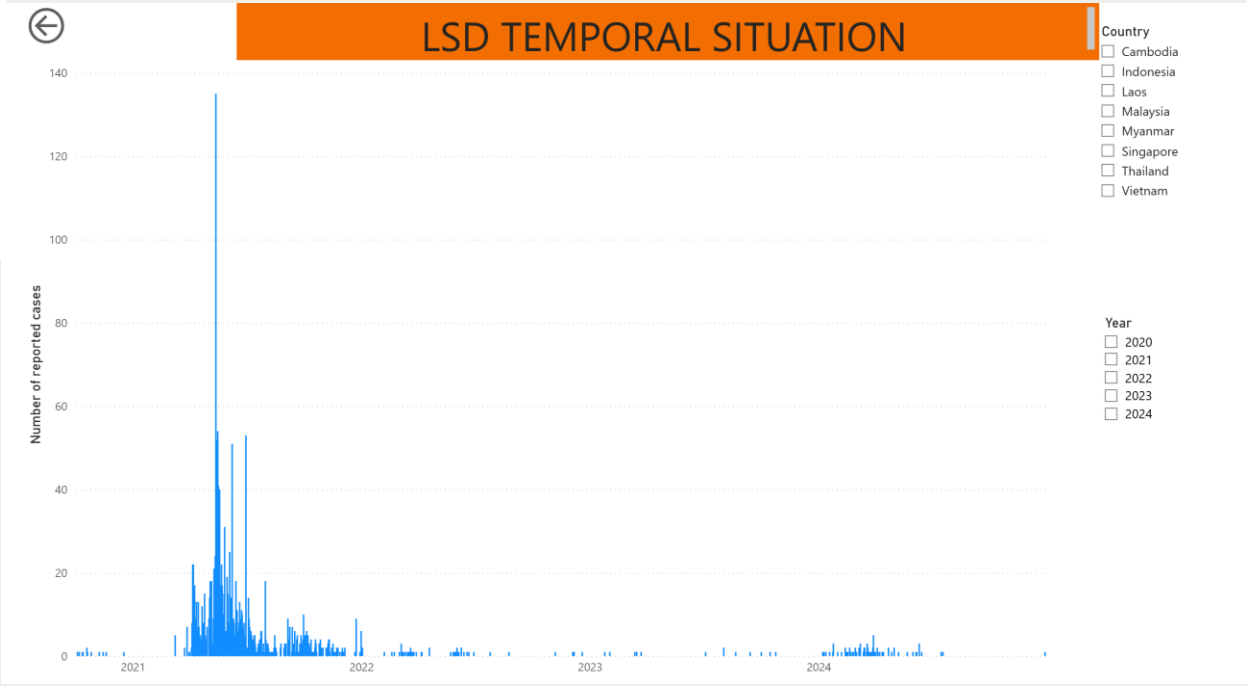
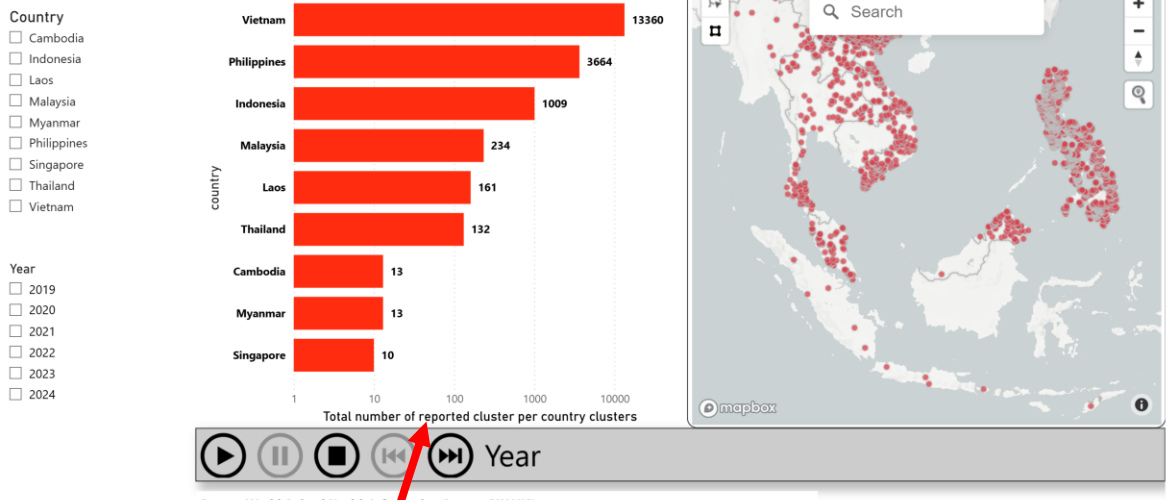


Data source: WAHIS IN/FUR

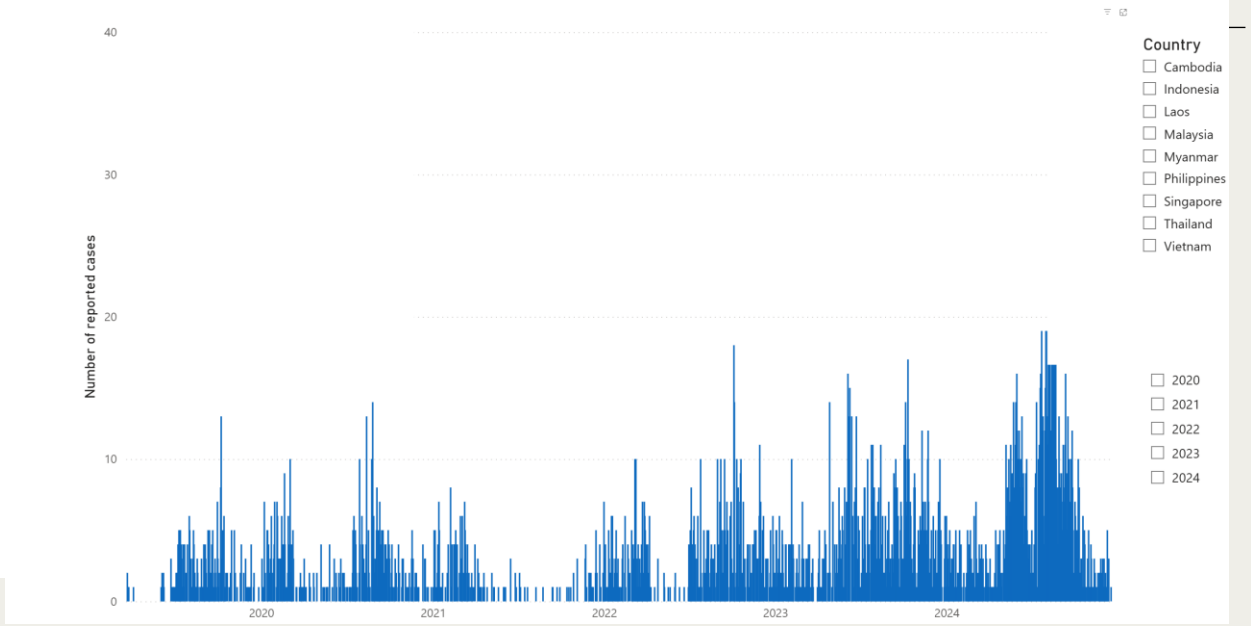
AFRICAN SWINE FEVER SITUATION IN THE ASEAN

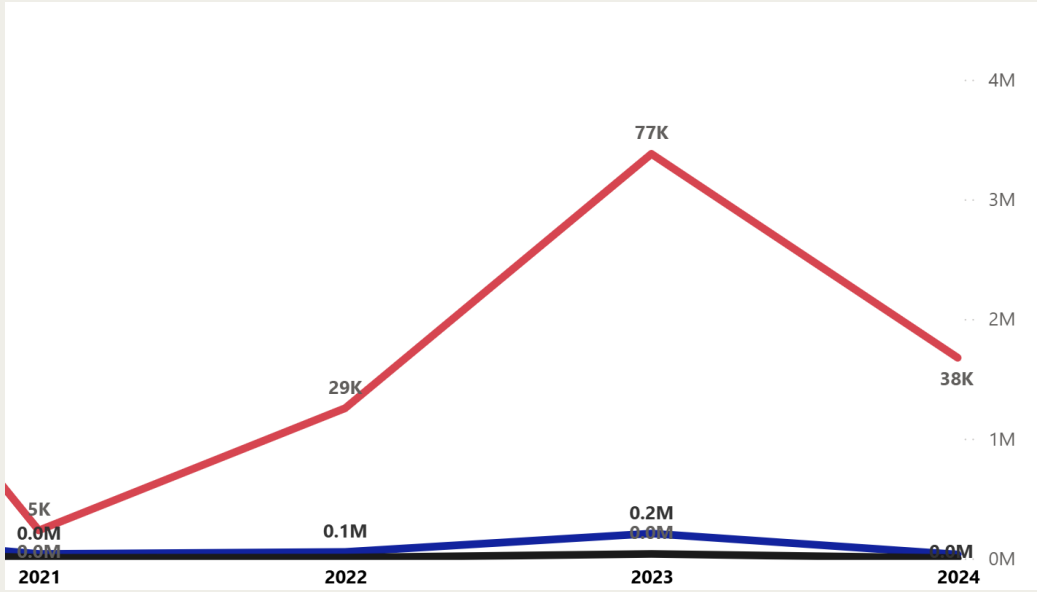
World Organisation for Animal Health
Founded as OIE



Clusters

ASF TEMPORAL DISTRIBUTION





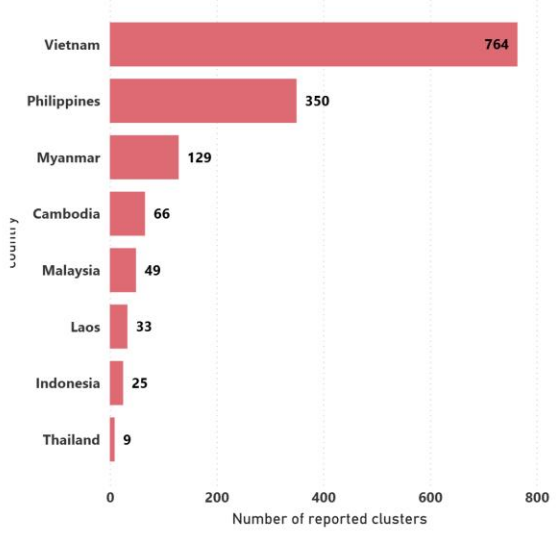
HPAI SITUATION IN THE ASEAN

World Organisation for Animal Health
Founded as OIE

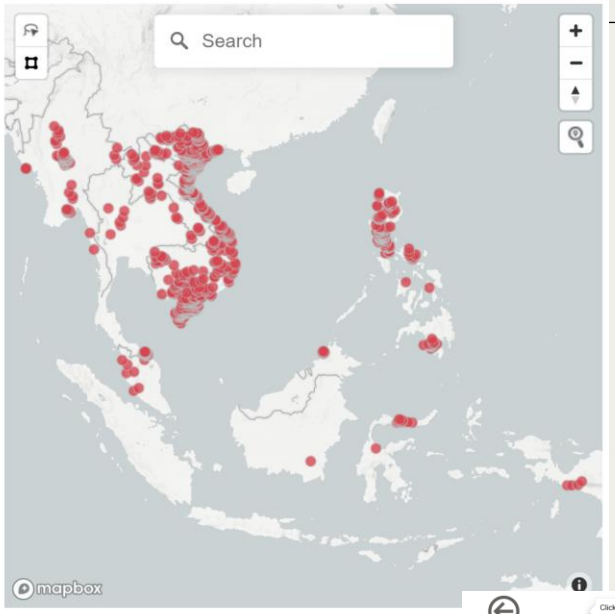
Subtypes: H5 | H5N1 | H5N2 | H5N6 | H5N8

country
- Cambodia
- Indonesia
- Laos
- Malaysia
- Myanmar
- Philippines
- Thailand
- Vietnam

Year
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021
- 2022
- 2023
- 2024
- 2025



Source: World Animal Health Information system (WAHIS)



Year

HPAI TEMPORAL DISTRIBUTION

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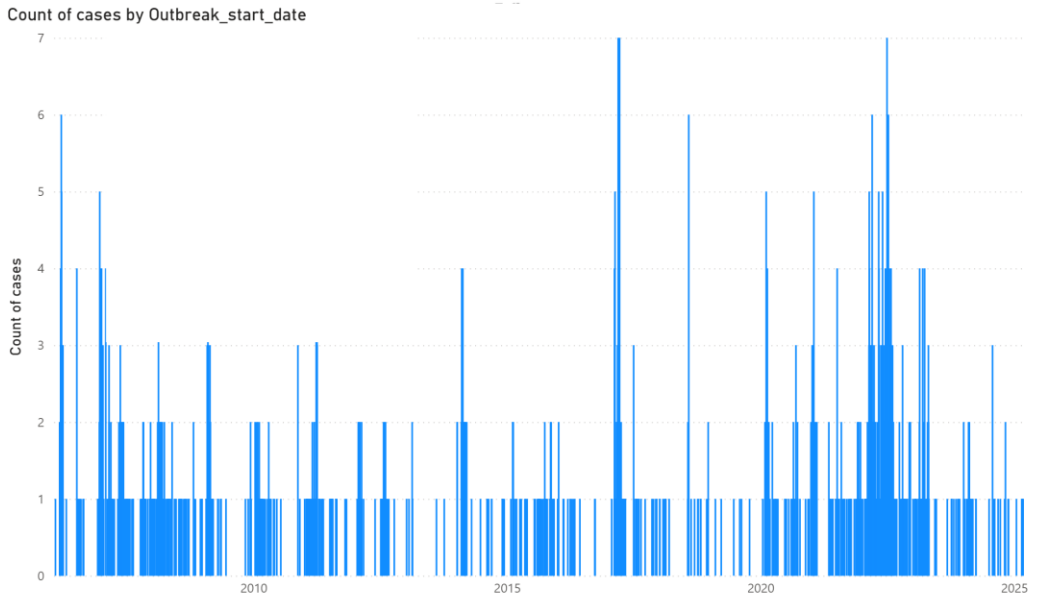
Subtypes: H5 | H5N1 | H5N2 | H5N6 | H5N8



country
- Cambodia
- Indonesia
- Laos
- Malaysia
- Myanmar
- Philippines
- Thailand
- Vietnam

Year
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
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- 2019
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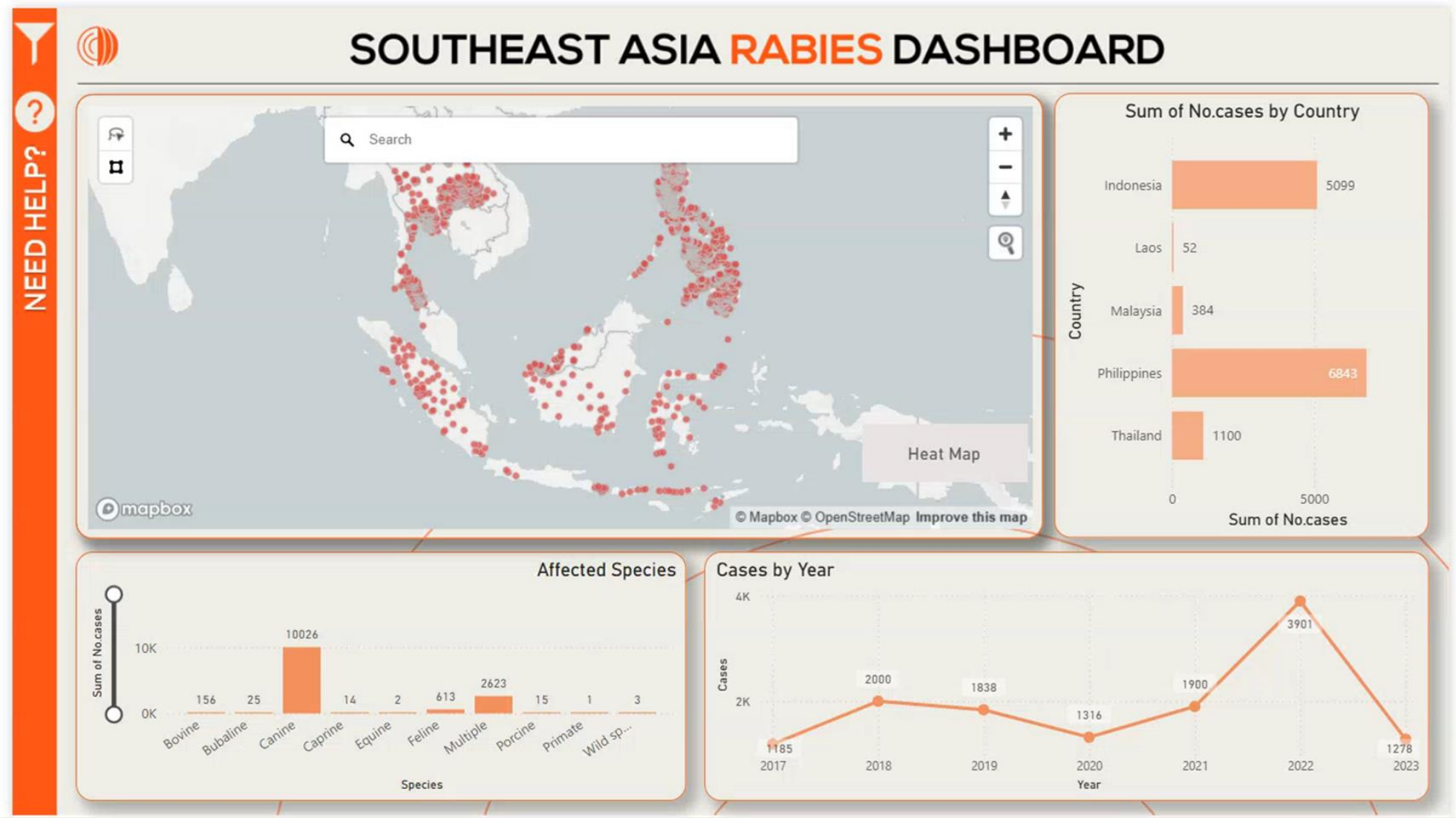
- 2021
- 2022
- 2023
- 2024
- 2025



Data still undergoing validation and cleaning

Discussion

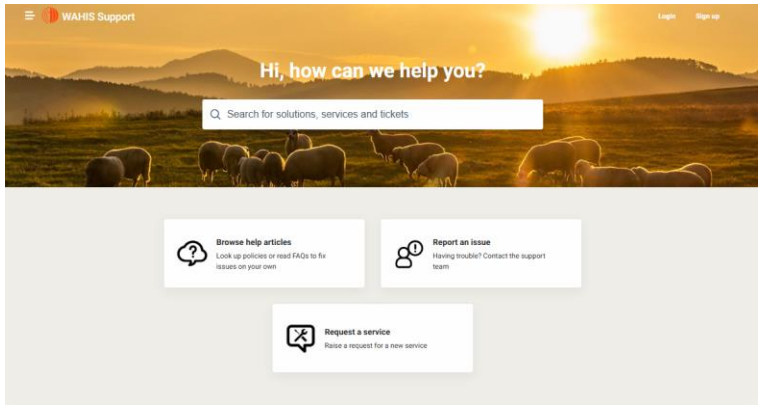
Any suggestion to improve ASEAN

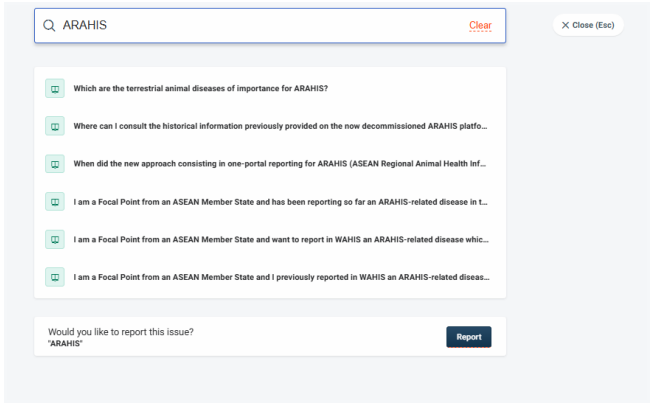
dashboards?

Break

Support for you

1. **WAHIS Support Desk** search for ARAHIS; ask your questions if you need clarification.





2. Our Early Warning Team will book a **one-to-one session** with Focal Points between **October and November** to give individual support regarding **ARAHIS reporting in WAHIS**. In the meantime, please contact us through **WAHIS Support Desk** for any question.

Next steps

What do you now commit to in relation to ARAHIS reporting?

Thank you

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