

# WOAH Activities on One Health in Asia and Pacific Region

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Regional AMR Project Officer

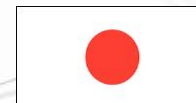
22 – 23 July 2025  
Tokyo, Japan



World Organisation  
for Animal Health

**中华人民共和国农业农村部**

Ministry of Agriculture and Rural Affairs of the People's Republic of China

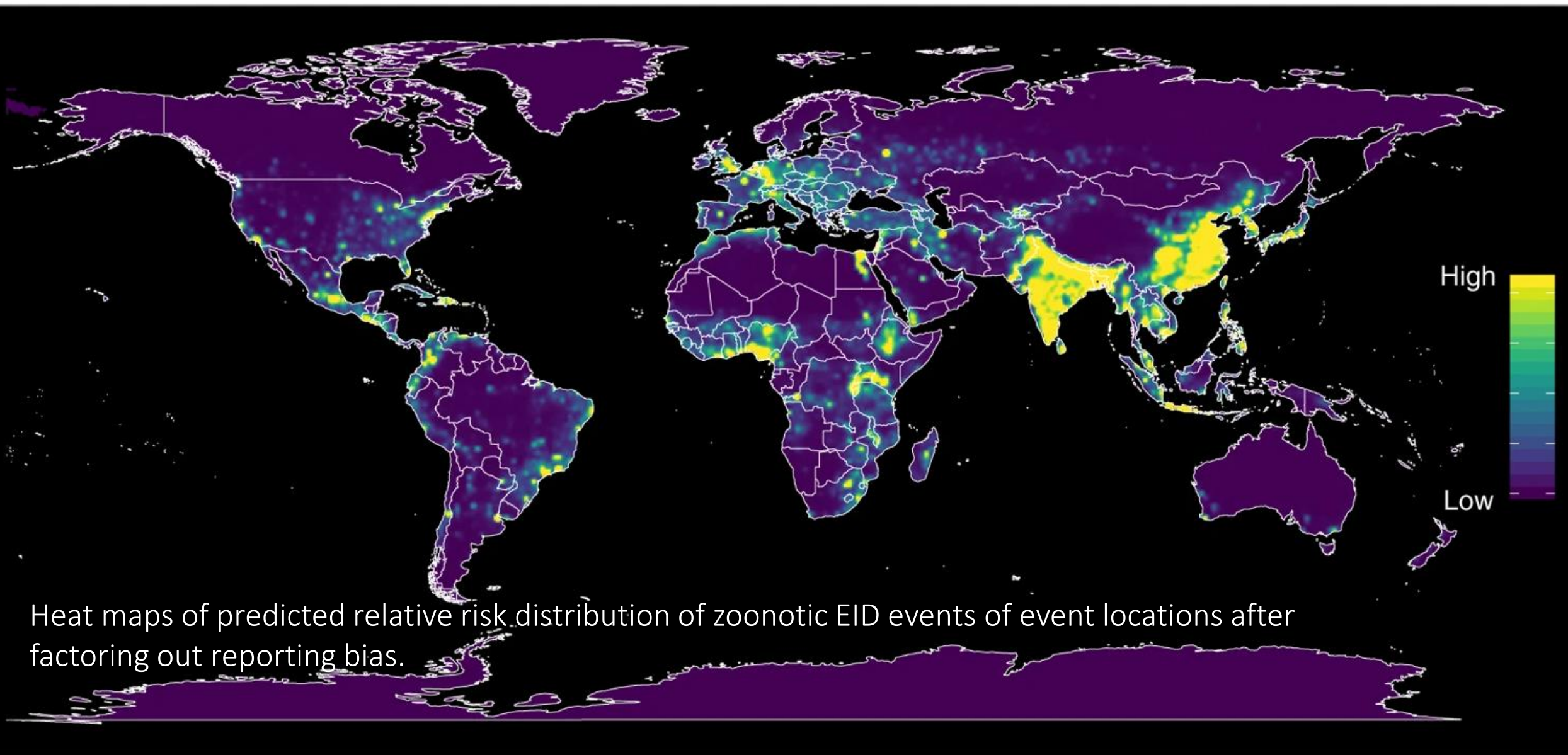


Ministry of Agriculture,  
Food and Rural Affairs



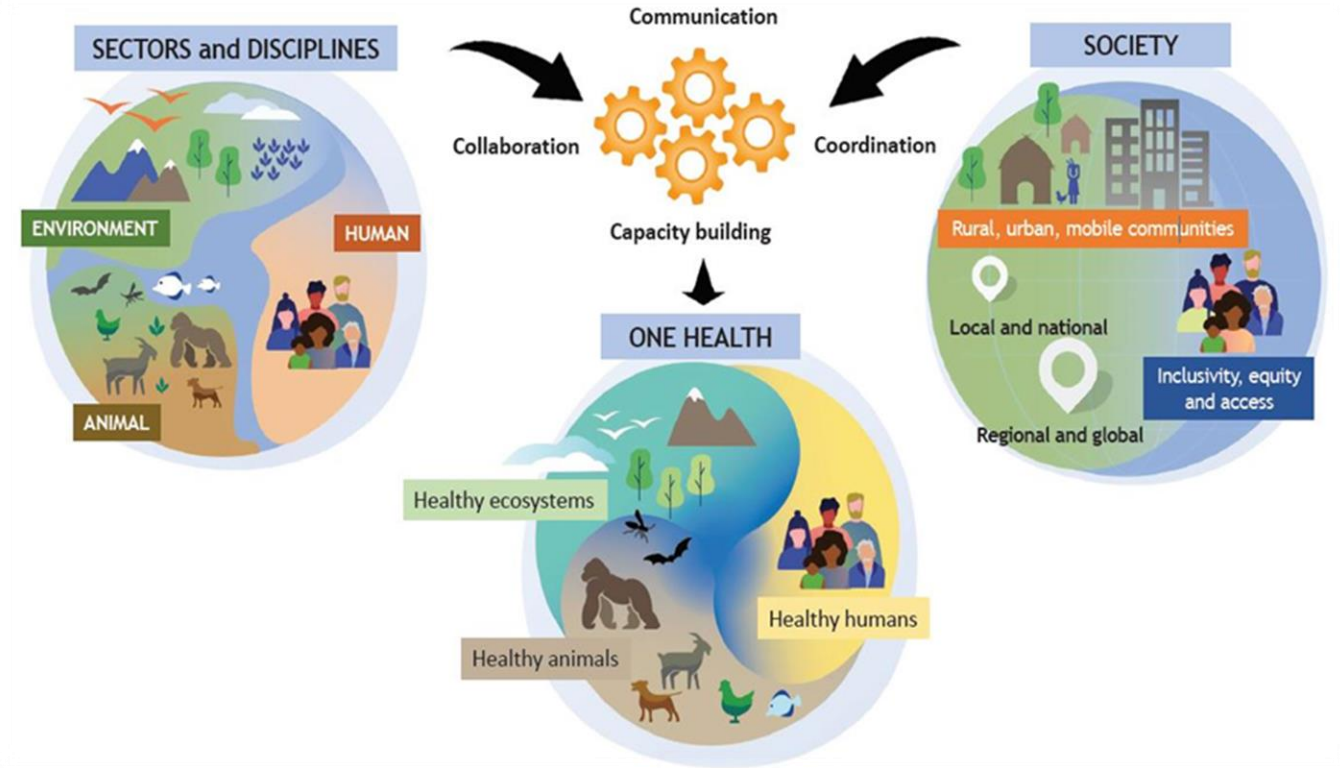
# Asia and the Pacific – Hotspot for emerging infectious diseases

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Heat maps of predicted relative risk distribution of zoonotic EID events of event locations after factoring out reporting bias.

- “One Health is an **integrated, unifying approach** that aims to sustainably balance and optimize the health of humans, animals, plants and ecosystems.
- It recognizes the health of humans, domestic and wild animals, plants and the wider environment (including ecosystems) are closely linked and interdependent.
- The approach **mobilizes multiple sectors, disciplines and communities at varying levels of society to work together** to foster well-being and tackle threats to health and ecosystems, while addressing the collective need for clean water, energy and air, safe and nutritious food, taking action on climate change, and contributing to sustainable development.”



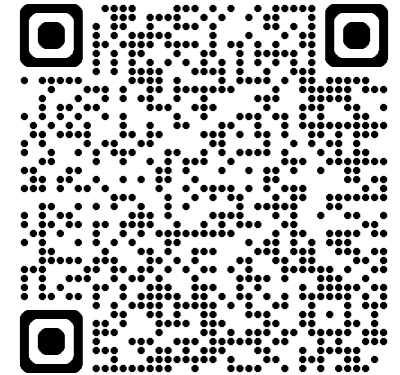


*At WOAHA, we believe that animal health is our health—it's everyone's health. By fostering collaboration across sectors, we can build tangible solutions for a healthier, more sustainable world for all.*

## WOAH mandate of improving animal health and welfare worldwide



WOAH Resolution N.31/2021  
“How can the World  
Organisation for Animal  
Health support Veterinary  
Services to achieve One  
Health resilience”





Food and Agriculture  
Organization of the  
United Nations



World Health  
Organization



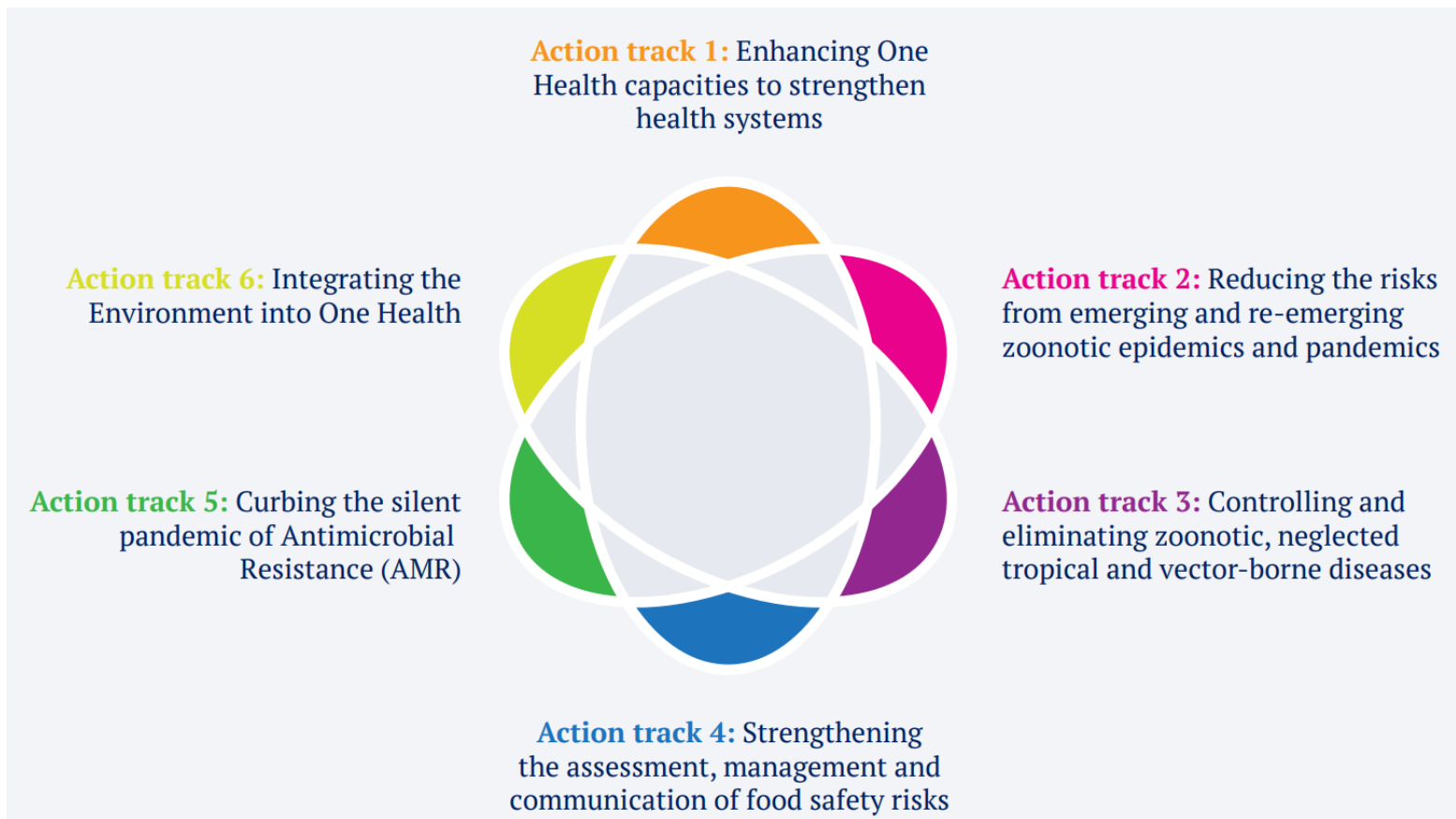
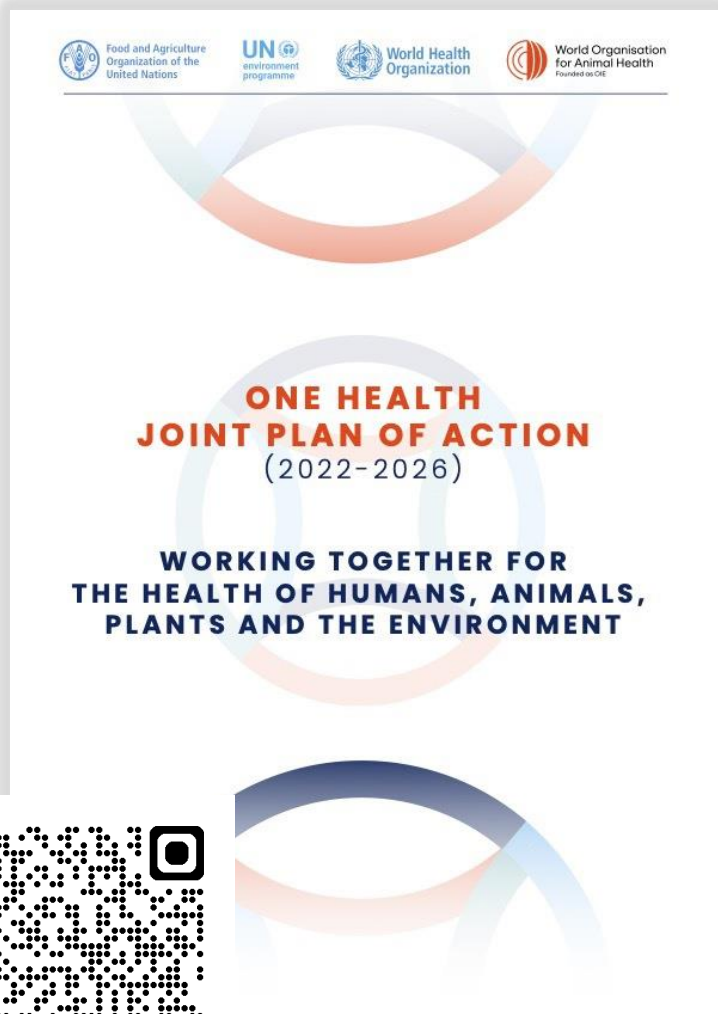
World Organisation  
for Animal Health  
Founded as OIE

## The Quadripartite Collaboration on One Health





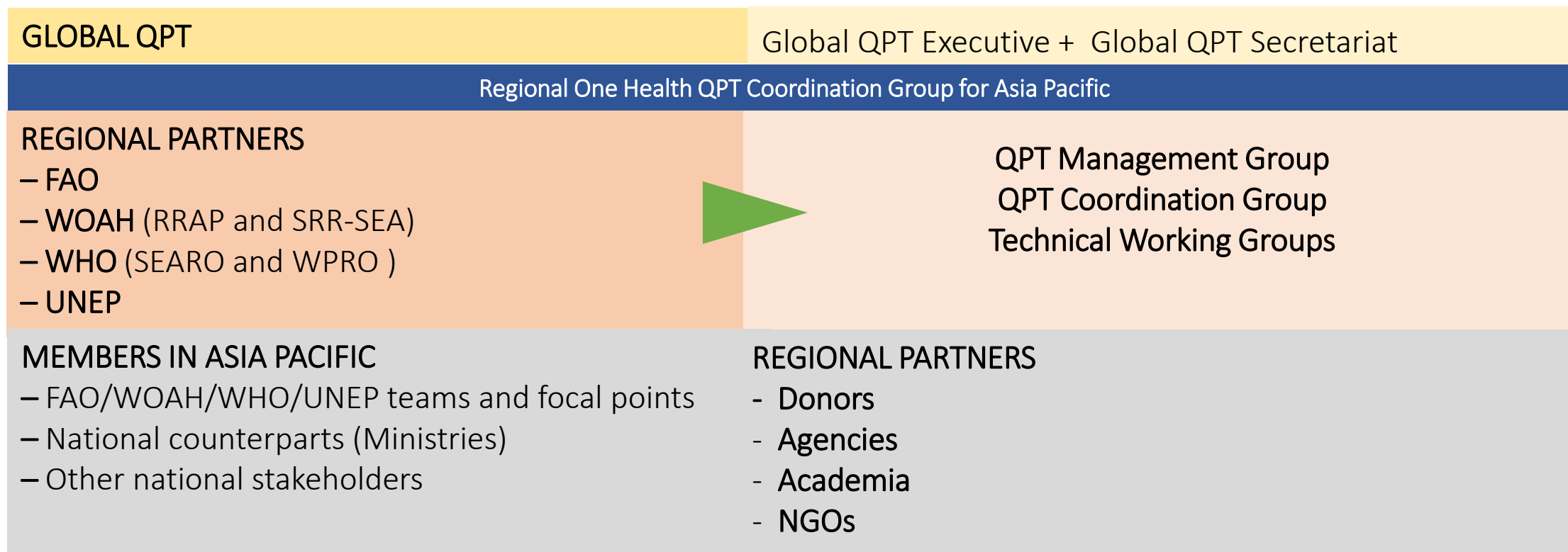
## The Quadripartite Collaboration on One Health





# WOAH: A part of the Regional Quadripartite in Asia and the Pacific

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## Regional Quadripartite Technical Working Groups



## Tripartite Zoonoses Guide (TZG) - 2019



### Tripartite Zoonosis Guide Operational Tools (OTs)

- Joint Risk Assessment (JRA OT) – [2020](#)
- Multisectoral Coordination Mechanism (MCM OT) – [2022](#)
- Surveillance and Information Sharing (SIS OT) – [2022](#)
- Work Force development (WFD OT) – [2024](#)
- Monitoring and Evaluation (M&E OT) – [2024](#)





## Political Declaration of the High-level Meeting on Antimicrobial Resistance



### UN General Assembly High-Level Meeting on antimicrobial resistance 2024

#### Surveillance and Monitoring

##### Commitment 97

Strengthen national capacities for sustainable, sector-specific, integrated and interoperable surveillance systems for antimicrobial resistance and antimicrobial use...

##### Commitment 98

Encourage all Members to report quality surveillance data on antimicrobial resistance and antimicrobial use by 2030, through existing global surveillance systems through GLASS, ANIMUSE and InFARM for future use in Quadrupartite GISSA

# Quadrupartite activities on One Health in the Asia-Pacific region







- **Asia Pacific Quadripartite One Health Workshop**
  - [5-8 September 2023, Thailand](#)
- **Pacific One Health Meeting,**
  - [6-9 August 2024, Fiji](#)
- **National OH JPA Workshops**
  - [11-13 September 2024, Mongolia](#)
- **Regional Tripartite Joint Risk Assessment Workshops:**
  - [27 July 2023, Sri Lanka,](#)
  - [29 April – 4 May 2024, Bhutan](#) with One Health Zoonotic Disease Prioritization (OHZDP)



**Next QPT One Health workshop for Asia  
in November 2025**



## A One Health road-map

is developed to improve intersectoral collaboration among human, animal, and environmental/wildlife sectors in a Member

60 NBWs have been conducted worldwide!

- **South Asia:** Bangladesh, Bhutan, Pakistan, Nepal, Sri Lanka
- **Southeast Asia:** Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Vietnam, Brunei, Thailand (Planned: Timor Leste)
- **East Asia: Mongolia**
- **Pacific:** in the pipeline – Fiji, PNG, Tonga, Samoa



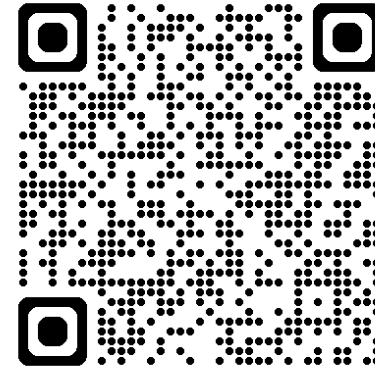


# WOAH-specific activities on One Health globally and in the Asia-Pacific





This intensified circulation increases the likelihood of virus evolution and spillover to new species, including **mammals, posing a risk to human health.**



To learn more about the  
**Avian Influenza**

REGIONAL ACTIVITIES

Regional meetings on HPAI



Food and Agriculture  
Organization of the  
United Nations



World Organisation  
for Animal Health

## Global Strategy for the Prevention and Control of High Pathogenicity Avian Influenza (2024–2033)

Achieving sustainable, resilient poultry  
production systems



# ZERO BY 30

The Global Strategic Plan to end human deaths from dog-mediated rabies by 2030



[zero-by-30](#)



Dog vaccination has contributed to eliminating rabies as a major public health and economic burden.

## Animal rabies diagnosis capacity building

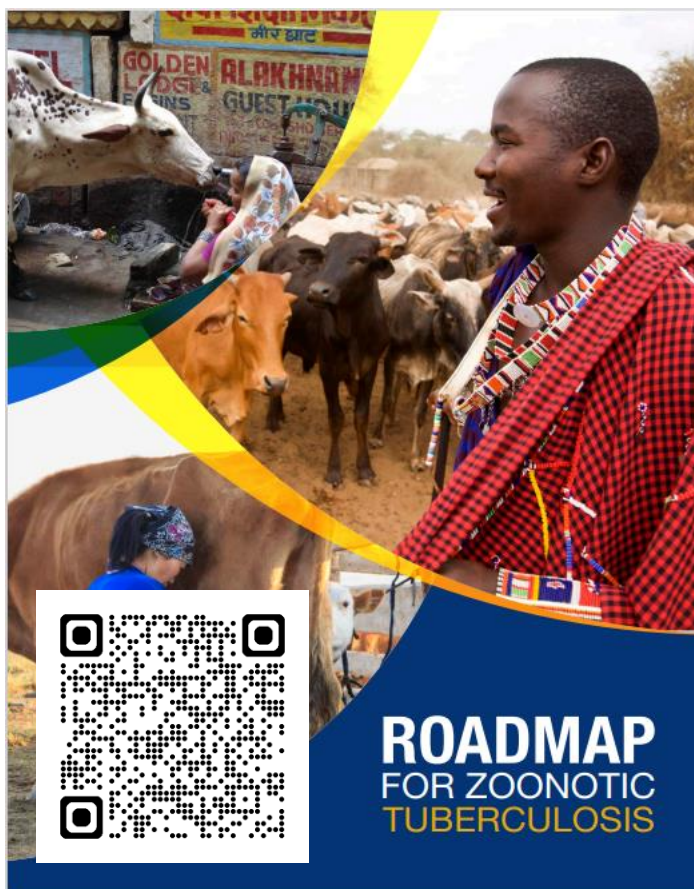
- [Training of Trainers Workshop on Mass Dog Vaccination](#),
  - 25-28 November 2024, Thailand
- [Virtual training on molecular epidemiology techniques for phylogenetic analysis on rabies virus distribution in the region](#) (2021, 2022, 2023)
  - WOAHA Reference Laboratory for Rabies: Changchun Veterinary Research Institute (CVRI) in China P.R.

2024: WOAHA Reference Laboratory for rabies, Veterinary Research Institute, Ministry of Agriculture, Chinese Taipei





*The implications of zoonotic TB go beyond human health.  
The organism is host-adapted to cattle, where it is referred to as bovine TB, and it also causes TB in other animal species, including wildlife.*



[Regional Workshop on Zoonotic Tuberculosis and Brucellosis Control](#) in the Asia Pacific Region, Qingdao Sophia Hotel, Qingdao, China P.R., 24-26 September 2024

Upcoming event; Regional Hands-on Training on Zoonotic TB Diagnosis, September 2025, Qingdao, China P.R



*Brucellosis affects cattle, swine, sheep and goats, camels, equines, and dogs. It may also infect other ruminants, some marine mammals and humans.*

Japan, Australia and New Zealand are believed to be free from the agent.

[Brucellosis - WOA](#)



[Regional Workshop on Zoonotic Tuberculosis and Brucellosis Control](#) in the Asia Pacific Region, Qingdao Sophia Hotel, Qingdao, China P.R., 24-26 September 2024

Upcoming event; Regional training on diagnosis of brucellosis, August 2025, Qingdao, China P.R



[Regional ANIMUSE Training for WOAHA Focal Points for Veterinary Products](#)



[ANIMUSE Webinar for Asia and the Pacific](#)



[World AMR Awareness Week](#)



[Tokyo AMR One Health Conference: Side event on research to reduce AMU in animals](#)

## Reduce AMU

1. **Maintain** basic level of training enabling good quality reporting to ANIMUSE
2. **Build capacity** in targeted countries
3. **Advise** Members leveraging on Collaborating Centers network and experts' advice
4. **Explore** additional questions around the 'quality of antimicrobial use'

## Prioritise prevention and implement vaccination programs

1. **Conduct** a global survey to map current situation of vaccination against WOAHA's list of priority diseases
2. **Update** list of priority animal diseases where vaccination could reduce antimicrobial use
3. **Update** standards for vaccine manufacturing and quality control on a regular basis

## Comply with international standards

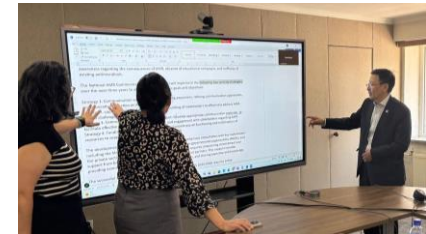
1. **Disseminate** the recent Terrestrial code
2. **Continue** building capacity through e-modules, focal point trainings
3. **Advocate** responsible use using EcoAMR report
4. **Engage** with other associations

## Invest in strengthening animal health systems and veterinary services

1. **Conduct** PVS missions upon Members request
2. **Support** development of Global Essential Veterinary Medicines List (EVML)
3. **Facilitate/support** establishment of Private-Public Partnerships
4. **Advocate**



[Lab Training on AMR Surveillance in Food Animals](#)



[Developing an AMR communication strategy for Mongolia](#)



[Asia Pacific AMU-AMR Workshop for Aquaculture](#)



[#WSAVA2024](#) congress, Suzhou, China

Upcoming event; Regional Seminar for WOAHA National Focal Points for Veterinary Products for Asia and the Pacific  
21-23 October 2025, Republic of Korea





**Wildlife Health Framework** (*new version under development*)

**WOAH Working Group on Wildlife**

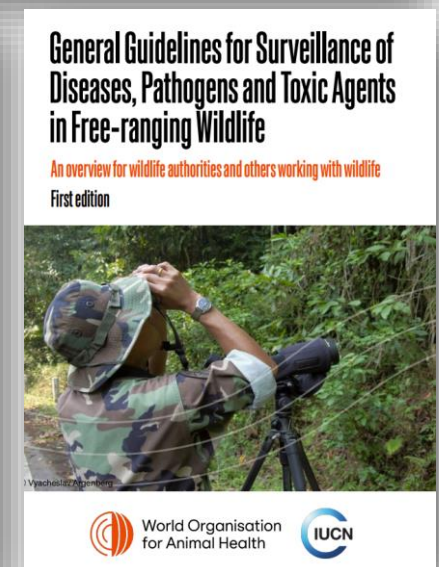
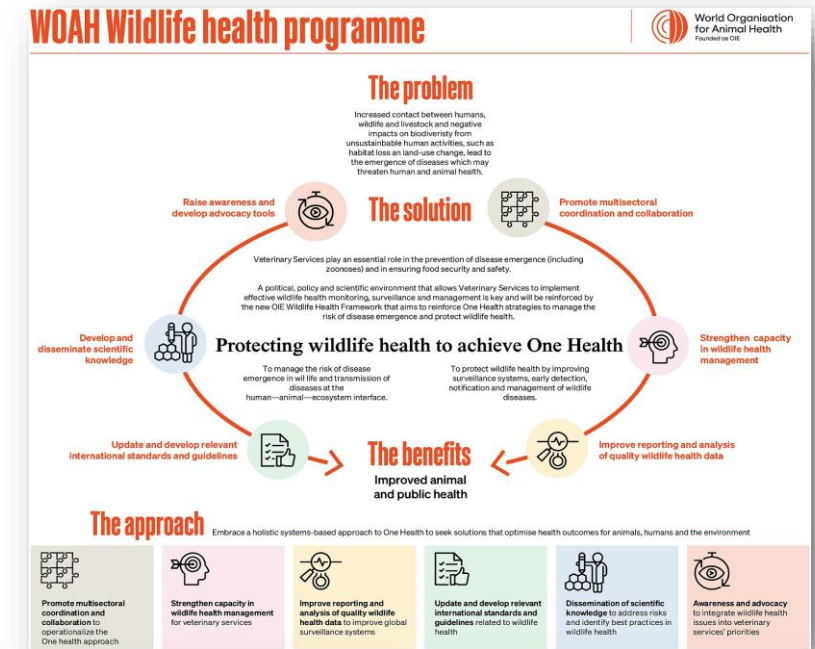
**WOAH Focal Points for Wildlife** – regular training

**WOAH Collaborating Centres for wildlife health in the region**

- CC for Wildlife Health Risk Management, Australia
- CC for New & Emerging Diseases, Australia
- CC for Wildlife Health Surveillance and Epidemiology, Thailand *\*new*
- CC for Wildlife Trade and Wildlife Health, Singapore *\*new*

## Guidelines

- [WOAH Guidelines for Addressing Disease Risks in Wildlife Trade](#)
- [WOAH/IUCN General Guidelines for Surveillance of Diseases, Pathogens and Toxic Agents in Free-ranging Wildlife](#)



## World Wildlife Day

Communication campaign for WWD 2025



WOAH regional training to increase capacity for pandemic preparedness: Wildlife disease investigation and mitigation of disease transmission risks (Tsukuba, Japan, 2024)



Workshop on risk analysis of spillover events in wildlife (Yugawara, Japan 2023)

Upcoming event; WOA Wildlife Health Network (WHN) meeting led by East Asia: National networking for wildlife health, 2 September 2025, Virtual







- Facilitate adoption and uptake of the Joint Plan of Action (JPA)
- Promote synergy and coordination among donors and partners
- Support the Members via various initiatives
  - E.g. N4H, AMR MPTF, Regional Tripartite AMR Project, Pandemic Fund
- Align existing One Health tools with OH JPA Action Tracks
- Integrate environmental dimensions into One Health initiatives



## Regional Quadripartite – Asia Pacific region



Food and Agriculture  
Organization of the  
United Nations

Regional Office  
for Asia and the  
Pacific

**(FAO RAP,  
Bangkok)**

FAO Subregional  
Office for the  
Pacific Islands  
**(FAO SAP, Apia,  
Samoa)**



Regional Office  
for Asia and the  
Pacific  
**(UNEP ROAP,  
Bangkok)**



World Health  
Organization

South-East Asia  
Regional Office  
**(WHO SEARO,  
New Delhi)**

Western Pacific  
Regional Office  
**(WHO WPRO,  
Manila)**

WHO Division of  
Pacific Technical  
Support  
**(WHO DPS, Suva)**



World Organisation  
for Animal Health

Regional  
Representation for  
Asia and the Pacific  
**(WOAH RRAP, Tokyo)**

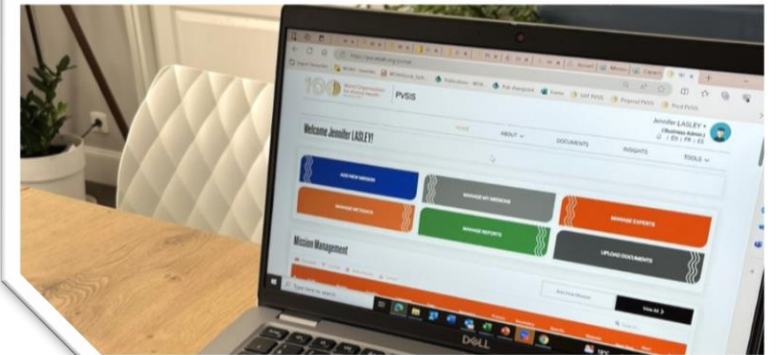
Sub-Regional  
Representation for  
Southeast Asia  
**(WOAH SRR-SEA,  
Bangkok)**

# Performance of Veterinary Services (PVS) Pathway and Veterinary Workforce Development Activities

23<sup>rd</sup> July 2025

Maho Urabe  
Regional Capacity Building Coordinator  
WOAH RRAP

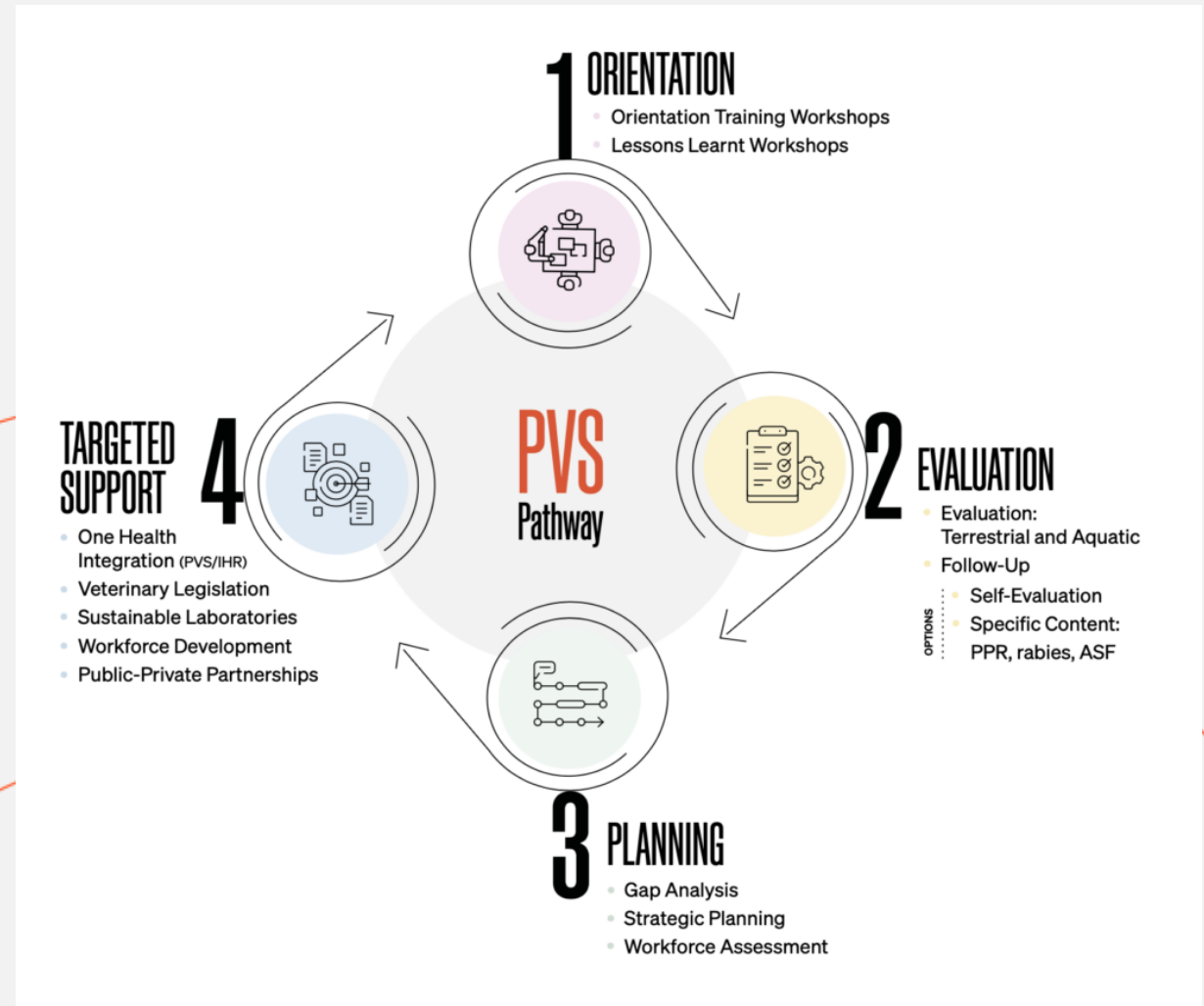
## Global Launch of the PVS Pathway Information System





## Tools for the good governance of Veterinary Services and Aquatic Animal Health Services

- WOAHA flagship programme for the sustainable improvement of national Veterinary Services.
- Support national Veterinary Services' capacity to comply with **WOAH international standards**.
- Four stages: Orientation, Evaluation, Planning, Targeted Support.
- Encourages continuous learning and improvement within national Veterinary Services.



<https://www.woah.org/en/what-we-offer/improving-veterinary-services/pvs-pathway/>

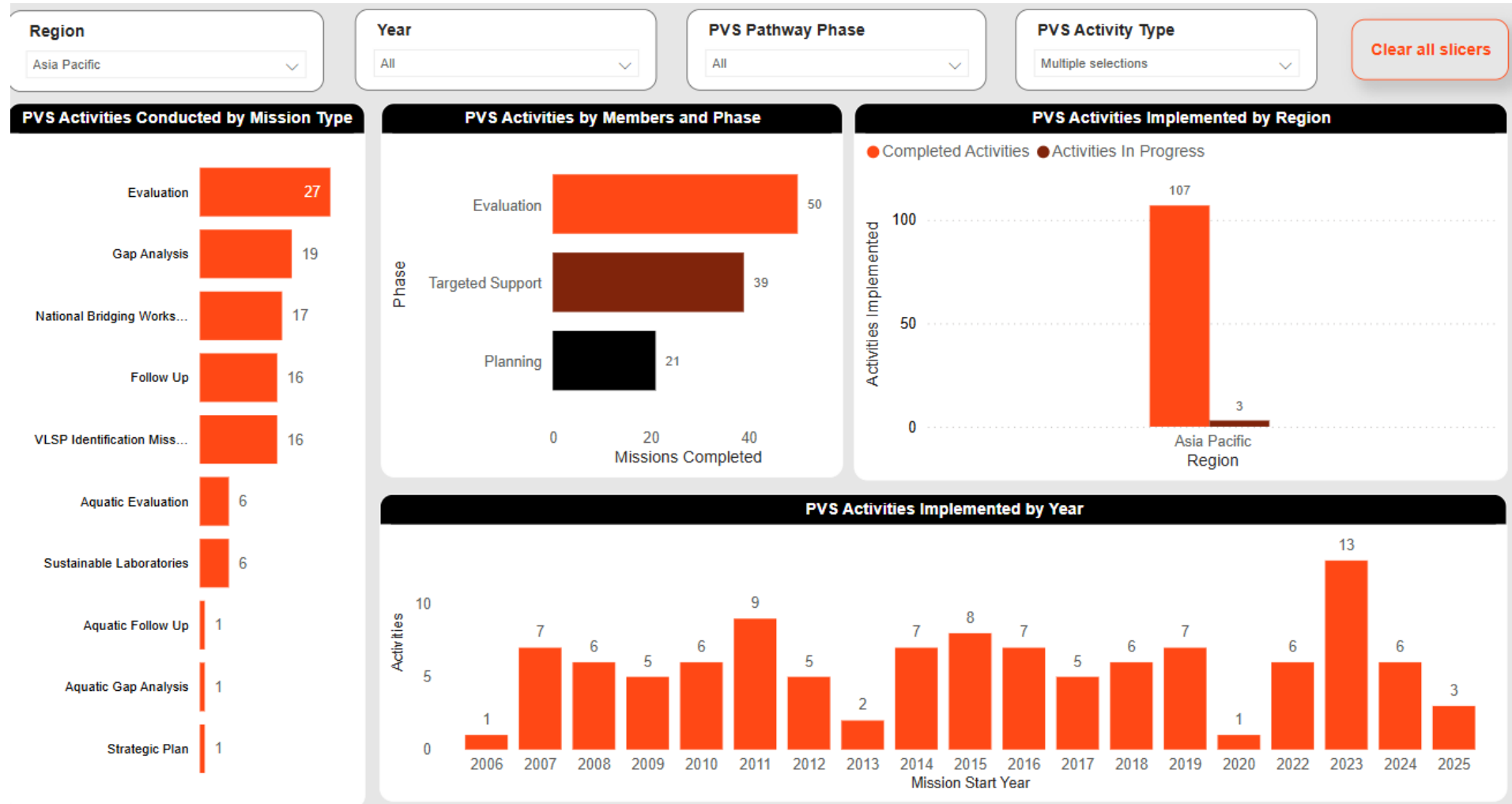






# Continued PVS engagement in Asia-Pacific since 2006

*96% of Members in the Asia Pacific Region engaged in the PVS Pathway activities, primarily in Evaluation and Targeted Support*





# PVS Pathway Missions Implemented in Asia-Pacific (as of June 2025)

East Asia Members in bold  
28

Types of PVS activity	Missions/ workshops done	Since 2015
Orientation	6	<b>East Asia (2016)</b> , Southeast Asia, South Asia, Pacific, India, <b>China (2022-24)</b>
<b>EVALUATION and PLANNING</b>		
Terrestrial Evaluation	27	Australia, Malaysia, <b>Japan (2016)</b> , India, <b>C. Taipei (2019)</b> , Papa New Guinea
Aquatic Evaluation	6	Indonesia, Malaysia, Sri Lanka
Gap Analysis	19	Bangladesh, Fiji, Malaysia, Vanuatu, Pakistan, Papua New Guinea, Nepal
Follow-up/2 <sup>nd</sup> FU* Evaluation	16	Bhutan, Cambodia, Indonesia, Myanmar*, <b>Mongolia (2019)</b> , Philippines*, Sri Lanka, Nepal, Thailand, Timor-Leste
Aquatic Follow-up	1	Vietnam
<b>TARGETED SUPPORT</b>		
Legislation	16	Fiji, Cambodia, Malaysia, Myanmar, Philippines, Papua New Guinea, Pakistan, Vanuatu, Sri Lanka
Sustainable Laboratory	6	Bhutan, Cambodia, Myanmar, <b>Mongolia</b> , Philippines
PPP Targeted support	2	Sri Lanka, India
National Workforce Development Workshop	8	Malaysia, Fiji, Bhutan, Vietnam, Philippines, Lao PDR, Thailand, Indonesia



# PVS Pathway Missions Implemented in Asia-Pacific (as of Feb 2025)

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	2016	2017	2018	2019
WHO Joint External Evaluation (JEE)	Bangladesh, Cambodia, Viet Nam	Laos, Maldives, <b>Mongolia</b> , Myanmar, Sri Lanka, Thailand, <b>R.O. Korea</b> , Indonesia, Australia, Bhutan	<b>Japan</b> , Singapore Philippines New Zealand, Timor-Leste, Micronesia	Brunei, Malaysia, Marshall Islands, Palau
IHR-PVS National Bridging WS		Pakistan, Indonesia	Bhutan	Bangladesh, Myanmar



	2022	2023	2024
WHO Joint External Evaluation (JEE)		Samoa	Tonga
IHR-PVS National Bridging WS	Thailand, <b>Mongolia</b> , Philippines	Sri Lanka, Vietnam, Laos, Cambodia	Nepal, Brunei



Food and Agriculture  
Organization of the  
United Nations



World Organisation  
for Animal Health  
Founded as OIE



World Health  
Organization

East Asia Members in bold



# Veterinary Services' workforce and resources

To carry out their activities, Veterinary Services need an enabling environment where they can work to their optimal capacity and receive adequate training. The World Organisation for Animal Health (WOAH, founded as OIE) develops international standards to assist Veterinary Services in strengthening their capacity, both in terms of human and financial resources. Through its Annual Report, the Observatory intends to assess the uptake of these standards.

## A limited number of Members have access to sufficient resources

Based on recent Performance of Veterinary Services (PVS) Pathway missions, the percentage of Members which reached or exceeded the minimal capacity is as follows:

Staffing		Professional competencies			Funding		Veterinary Statutory Body	
Veterinarians and other professionals	Veterinary paraprofessionals and others	Veterinarians	Veterinary paraprofessionals	Physical resources	Operational	Emergency	Authority	Capacity
49%	56%	58%	67%	44%	42%	49%	47%	16%

Percentage of Members with a Level of Advancement of 3 or more for each of the 9 Critical Competencies relevant to workforce

Source: PVS Evaluation or Follow-up missions for 43 Members, 2016-2021 – Analysis of the Level of Advancement for Critical Competencies I.1.A., I.1.B., I.2.A., I.2.B., I.7., I.8., I.9., III.5.A., III.5.B. from the 6th edition of the [PVS Tool](#)

Only **7%** of these Members have overall sufficient workforce capacity

(i.e. reached or exceeded the minimal capacity for all 9 Critical Competencies related to workforce and resources)

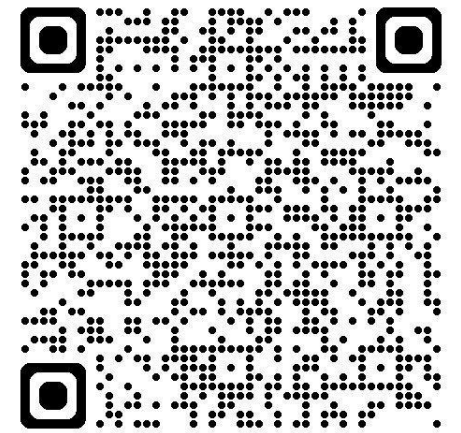
The Observatory is a continuous and systematic mechanism designed to analyse the implementation of our international standards by using information regularly collected by various activities, as well as external sources.


# The WOAAH Capacity-building framework ( Targeted )

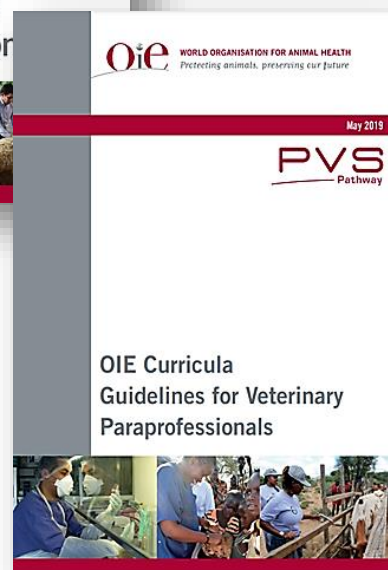
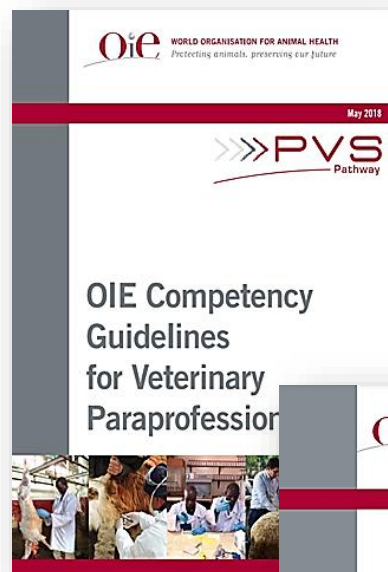
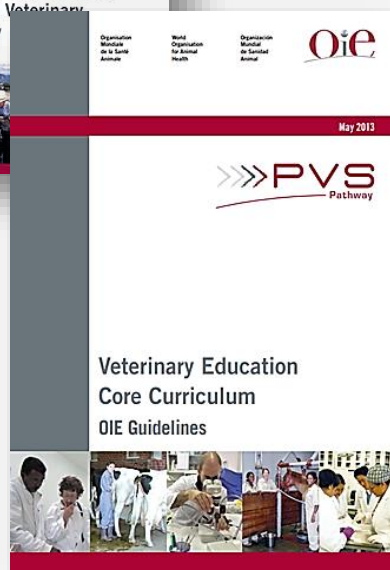
## Veterinary Workforce Development Programme

We can support Members develop a **National Strategy for Workforce Development** to ensure the needed numbers and competencies, and an enabling environment for performance.

- ✓ Competency and Curricula Guidelines
- ✓ Tailored National Workforce Development workshops
- ✓ VEE Twinning programme for quality education
- ✓ VSB Support Programme (coming soon)
- ✓ Tools for rapid workforce assessment (coming soon)
- ✓ Competency-based Training System



 Scan the QR code to learn more!



**VPPs:  
2018/2019**

## Competency and Curriculum Guidelines for Community Animal Health Workers



World Organisation for Animal Health

**CAHWs 2024**

**Veterinarians: 2012/2013**  
**Review and update soon!**





# Glimpse of national workforce development workshops (Asia)



Malaysia, Aug 2022



Thailand, Mar 2023



Vietnam, Nov 2023



Bhutan, Oct 2022



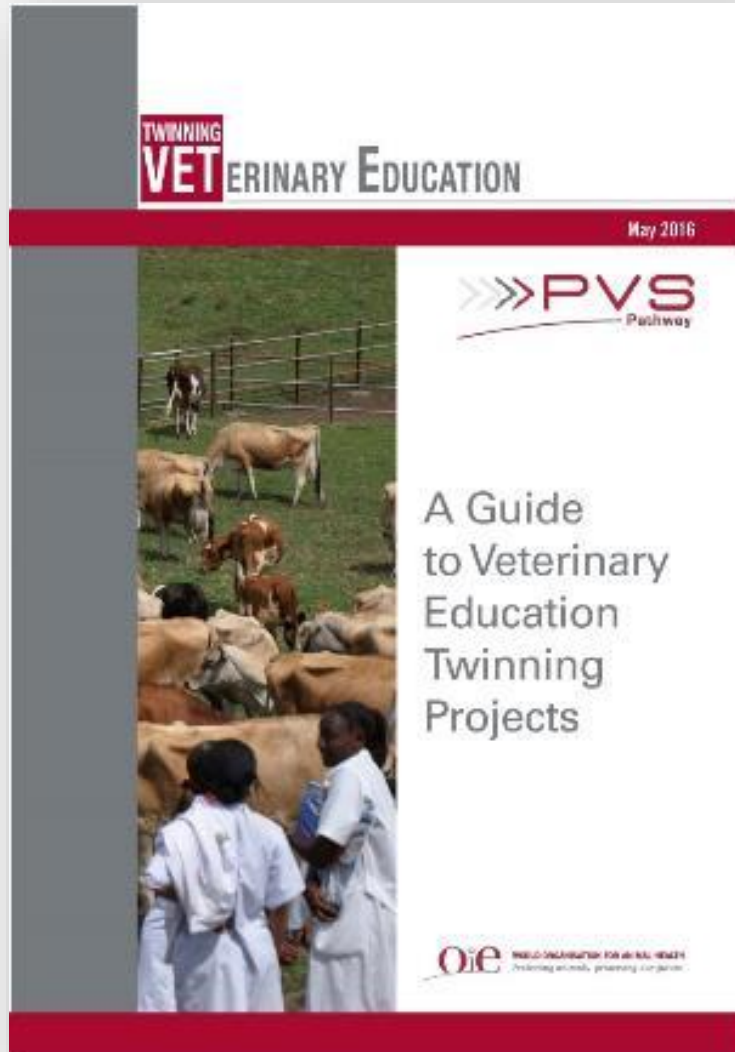
Lao PDR, Apr 2023



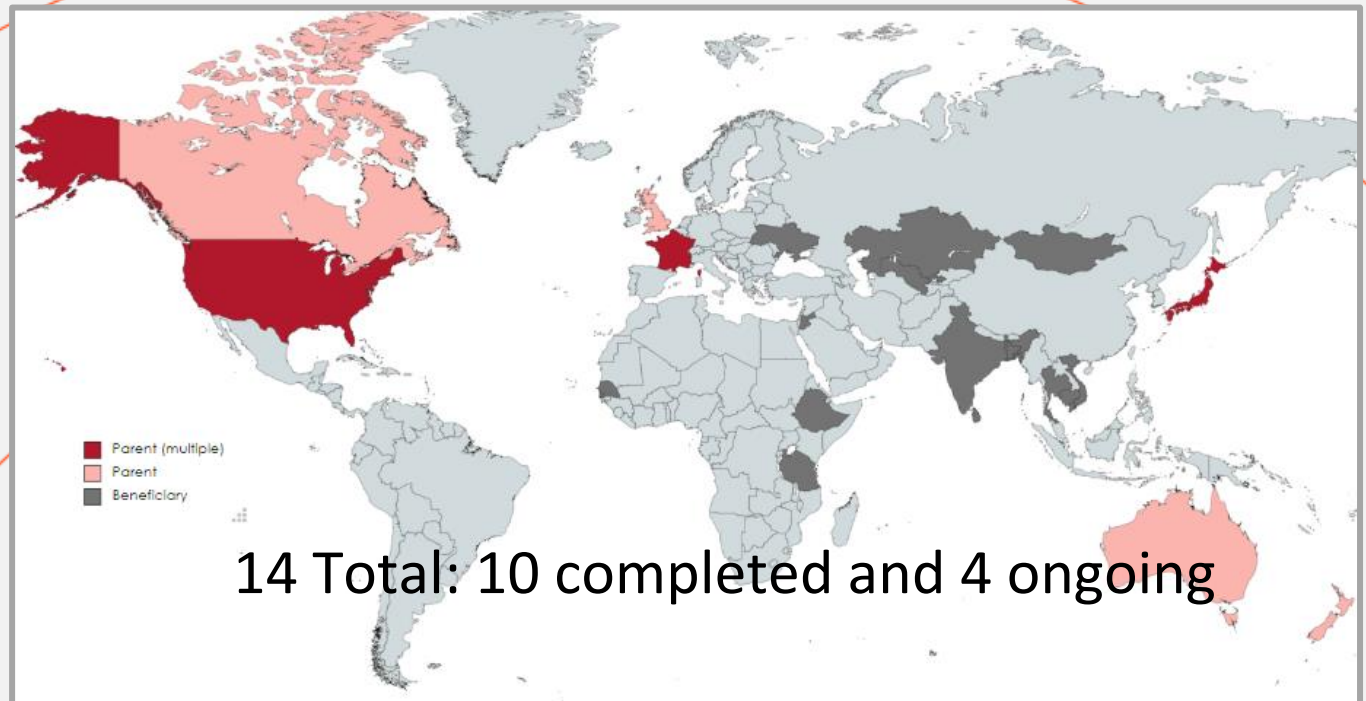
Indonesia, Apr 2025



Philippines, Nov 2022



- Established in 2013 in relation to the Guidelines
- ‘Twinning’: a mechanism for improving institutional capacity and expertise in developing and in-transition Members
- Facilitates the **exchange** of knowledge, staff, students, ideas and experience between Veterinary Education Establishments







<https://www.woah.org/en/what-we-offer/improving-veterinary-services/pvs-pathway/veterinary-workforce-development/>

## VEE twinning projects:

- University of Minnesota (USA) – Chiang Mai University (Thailand) (2013-2016)
- Tufts University (USA) – Chattogram Veterinary and Animal Sciences University (Bangladesh) (2014-2019)
- University of Queensland (Australia) – Nong Lam University (Vietnam) (2015-2019)
- Massey University (New Zealand) – University of Peradeniya (Sri Lanka) (2014-2018)
- **Hokkaido University (Japan) – Mongolian University of Life Science (Mongolia) (2017-2019)**
- **University of Tokyo (Japan) – Royal University of Agriculture (Cambodia) (2018-2021)**
- University of Calgary (Canada) - Guru Angad Dev Veterinary and Animal Sciences University (India) (2020 – 2024)



## VSF twinning project:

- Australasian Veterinary Boards Council Inc. (AVBC) – Veterinary Council of Thailand (VCT) (2018 – 2020)

## Opportunities for sharing of benefits and lessons learned







# Regional and Sub-regional Networks of VEEs, VSBs, and partners in Asia

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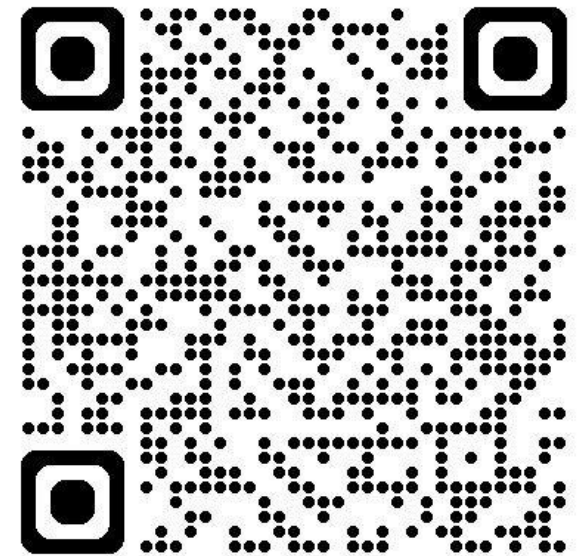



# The Training Platform: Learner-centred approach

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Courses facilitate building capacity to implement WOA standards

> 35 modules  
already  
published



 Scan the QR  
code to learn more!

<https://training.woah.org>





# Thank You

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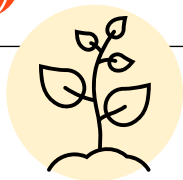


# PVS orientation for China PR

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- **WOAH**

2012



Training on the PVS Tool (2010 version (5<sup>th</sup> edition) with 46 Critical Competencies) for China

2013-2016



- **Self-evaluation activities**

Adapted 2013 Tool



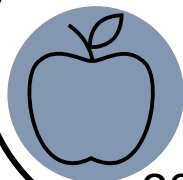
- **Publication in OIE Bulletin 2017**

2022



- **Self-evaluation, Gap Tool application**

2023



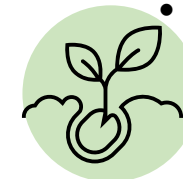
2022



- **Remote Orientation workshop on PVS Tool and Gap**

Phase 1 – Information Session on PVS updates and introduction to PVS Gap Analysis in a virtual modality in 2022

2019



- **New PVS Tool**  
2019 Edition

**2024**



**China Experience Sharing Workshop in the PVS Pathway**  
**Phase 3 – PVS and Gap Analysis Tool implementation updates**  
**22-24 October 2024**

- **Phase 2 – Gap Training with exercises and competency building in physical modality**