
SEAOHUN Annual Report

2021

SEAOHUN 2021 ANNUAL REPORT

This publication was prepared by the Southeast Asia One Health University Network. Personal protective equipment, physical distancing, and group size standards in all photos were consistent with local public health guidance and COVID-19 status in the country and time it was taken. This may not reflect the best practices for all locations where COVID-19 was still spreading.

SEAOHUN Secretariat
119/85 Moo 5, Suthep, Muang
Chiang Mai 50200, Thailand
+66-52-010-069
www.seaohun.org

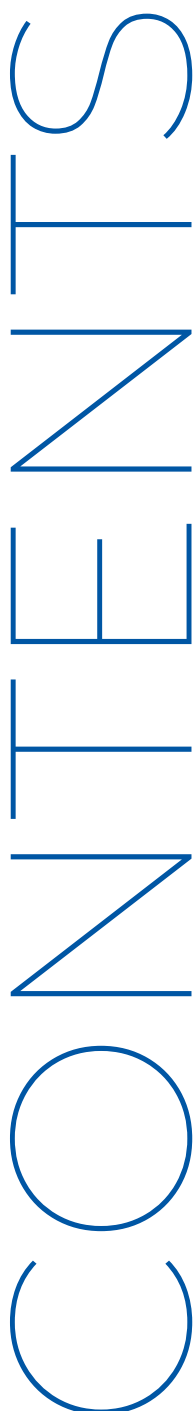


@SEAOHUN 2022
Editorial Team: Gabrielle Iglesias, Vipat Kuruchittham, Robert Driscoll
Design: Juthamanee Areeya
More Information: info@seaohun.org

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Acronyms

ASEAN	Association of Southeast Asian Nations
CAMBOHUN	Cambodia One Health University Network
FAO	Food and Agriculture Organization of the United Nations
GHSA	Global Health Security Agenda
INDOHUN	Indonesia One Health University Network
LAOHUN	Lao One Health University Network
MEL	Monitoring, Evaluation and Learning
MMOHUN	Myanmar One Health University Network
MyOHUN	Malaysia One Health University Network
OHSC	One Health Student Club
OHW-NG	One Health Workforce – Next Generation
PhilOHUN	Philippine One Health University Network
SEAMEO	Southeast Asian Ministers of Education Organization
SEAMEO TROPMED	SEAMEO Tropical Medicine and Public Health Network
SEAOHUN	Southeast Asia One Health University Network
STOP Spillover	Strategies to Prevent Spillover
THOHUN	Thailand One Health University Network
USAID	United States Agency for International Development
VOHUN	Vietnam One Health University Network

Acknowledgment of funding support

We are grateful for the continued funding support from the US Agency for International Development, which allows us to carry out our mission to develop a resilient and competent One Health workforce in Southeast Asia. We appreciate ongoing opportunity to fulfill our mission through the USAID One Health Workforce – Next Generation (OHW-NG) and the Strategies to Prevent (STOP) Spillover projects. We are pleased to collaborate with the consortia of organizations supporting the two projects, and the leadership of the University of California, Davis for the OHW-NG project, and of Tufts University for the STOP Spillover project. Finally, we appreciate Chevron's commitment to support our mission through the project Strengthening One Health Education in Southeast Asia.

Key partners

We would like to thank our key partners with whom we worked together in 2021:

Association of Southeast Asian Nations (ASEAN) Plus 3 Field Epidemiology Training Network; Bureau of Animal Industry, Philippine Department of Agriculture; Eijkman Institute for Molecular Biology, Indonesia; Food and Agriculture Organization of the United Nations in Lao PDR; Regional Field Epidemiology Training for Veterinarians program; SEAMEO Tropical Medicine Network (TROPMED); SEAMEO Regional Centre for STEM Education; Tropical Disease Research Center, Khon Kaen University; Wildlife Conservation Society, Viet Nam

2021

MESSAGE FROM THE FORMER CHAIRPERSON

I had the privilege to serve as the Chairperson of SEAOHUN Executive Board through the transition from the second phase of One Health Workforce project to the third phase of One Health Workforce – Next Generation project from 2018 to 2021. I would like to thank all friends, colleagues, and partners especially USAID for giving me the opportunity to represent a leading network of universities in Southeast Asia working on One Health.

With your continued collaboration and support, SEAOHUN has been recognized as a major player in One Health capacity building in the region and become a member of the Global Health Security Agenda (GHSA). Our collective effort of over 90 universities in 8 Southeast Asia countries continues to provide essential One Health training and experiential learning opportunities to enhance capabilities of pre-service and in-service health professionals, and fosters them to become future One Health leaders to combat increasingly complex health challenges, including antimicrobial resistance.

I am confident that under the leadership of the new Chairperson, Dr. Parntep Ratanakorn, our network will advance and become more sustainable as we help keep Southeast Asian countries safe, healthy and in harmony with our ecosystem. Please join me in welcoming and congratulating Dr. Parntep Ratanakorn.



A handwritten signature in black ink, appearing to read 'LTH' followed by a stylized flourish.

Professor Dr. Le Thi Huong
Former Chairperson of SEAOHUN Executive Board

MESSAGE FROM THE CHAIRPERSON

On 1 January 2022, Vietnam passed on the Chairpersonship of SEAOHUN Executive Board to Thailand. I am honored to chair the SEAOHUN Executive Board for the next two years. I would like to express my sincere appreciation to Prof. Le Thi Huong for her leadership in fostering partnerships and expanding the regional network to 93 universities in 8 Southeast Asian countries from 62 universities in 4 countries.

The COVID-19 pandemic demonstrated how disruptive it could be to society as we adjusted our lifestyles and work to prevent the spread of infection. Therefore, our university networks must work together to make our world safer from emerging and re-emerging infectious diseases. Our university networks must collaborate across disciplines and sectors to develop a resilient and competent One Health workforce to effectively prevent, detect and respond to infectious disease threats by leveraging education, research, and training excellence.

I look forward to working with you to elevate SEAOHUN to the next level and enhance its work for the second decade of One Health workforce development in Southeast Asia.



Assoc. Prof. Dr. Parntep Ratanakorn
Chairperson of SEAOHUN Executive Board

MESSAGE FROM OUR EXECUTIVE DIRECTOR

The year 2021 was marked as the expansion year of SEAOHUN's funding portfolio, partnerships, and strengthened collaboration to develop the capacity of health professionals to address complex health challenges including the COVID-19 pandemic. Our collective and consistent efforts towards high-quality training, education and research in One Health had yielded fruit.

We began the year with two new projects. First project was the USAID Strategies to Prevent (STOP) Spillover project led by Tufts University to assist countries to enhance capacity for preventing, mitigating and reducing the risks of spillover of zoonotic viruses. Second project was the Chevron Strengthening One Health Education in Southeast Asia to increase knowledge, attitude, and practice of One Health from school-aged children and their teachers, university students and their professors, to practicing health professionals. In addition, we received a co-financing to support our Small Grants Program from FAO to address its One Health priorities.

At the global stage, SEAOHUN was accepted as a member of the Global Health Security Agenda in October 2021. We commit to contribute to three action packages: workforce development, laboratory systems, and zoonotic disease while continue to advocate the role of universities globally. Regionally, we continued to expand the pool of host organizations of our Fellowship Program. Our new hosts included FAO in Lao PDR, the Bureau of Animal Industry of the Philippines, and our own SEAOHUN Secretariat.

We ended the year on a high note that the SEAOHUN Secretariat achieved "adequate capacities" in all criteria of organizational assessment and on our target to receive and manage direct funding from USAID in late 2022.

Our special thanks go to the USAID One Health Workforce – Next Generation (OHW-NG) consortium for their technical assistance to strengthen our organizational capacities in the past two years.

We highly appreciated all the support and collaboration from our partners: USAID, Chevron, FAO, OHW-NG and STOP Spillover consortiums, SEAOHUN member countries, hosts of our fellowship program, and other One Health partners to advance One Health workforce development in Southeast Asia. Lastly, I would like to extend my personal thanks to Prof. Huong for her outstanding leadership in strengthening SEAOHUN for the last four years.



A handwritten signature in black ink that reads "V. Kuruchittham".

Vipat Kuruchittham, Ph.D.

Executive Director of SEAOHUN Secretariat

SEAOHUN EXECUTIVE BOARD

Cambodia One Health University Network

- Dr. Vathana Thun
- Dr. Sovatha Mam
- Dr. Borin Sear

Indonesia One Health University Network

- Dr. Ova Emilia
- Dr. Deni Noviana
- Dr. Agus Suwandono

Lao One Health University Network

- Dr. Fongsamoud Suthammavong
- Dr. Mayfong Mayxay
- Dr. Ketkesone Phrasisombath

Malaysia One Health University Network

- Dr. Abdul Rahman Omar
- Dr. Hidayatulfathi Othman
- Dr. Latiffah Hassan

Philippine One Health University Network

- Dr. Michael L. Tee
- Dr. Luzviminda T. Simborio
- Dr. Loinda Baldrias

Thailand One Health University Network

- Dr. Parntep Ratanakorn
- Dr. Sathirakorn Pongpanich
- Dr. Saengduen Moonsom

Vietnam One Health University Network

- Dr. Le Thi Huong (Chairperson)
- Dr. Bui Tran Anh Dao
- Dr. Phuc Pham Duc

US Global Consortium Partners

- Dr. Woutrina Smith

U.S. Agency for International Development

- Ms. Marilyn Crane

SEAOHUN Secretariat

- Dr. Vipat Kuruchittham

ABOUT SEAOHUN

The Southeast Asia One Health University Network (SEAOHUN) is a leading regional network of universities collaborating to strengthen One Health workforce capacity and build the next generation of One Health professionals with the right skillset and mindset to prevent, detect, and respond to infectious disease threats. This includes equipping health professionals with critical thinking, communication, collaboration, and a systematic approach to problem solving that considers all aspects of the human-animal-ecosystem interface.

Mission

To develop a resilient and competent One Health workforce by leveraging education, research, and training excellence provided by member universities in Southeast Asia.

Vision

A regional network of universities in Southeast Asia generating social and intellectual excellence on One Health.



OUR COUNTRY MEMBERS

93

Universities

8

Countries

plus 1 Associate Member
Country Network (Taiwan)

LAOHUN

- Champasack University
- National University of Laos
- Savannakhet University
- Souphanouvong University
- University of Health Sciences, Lao PDR

MMOHUN

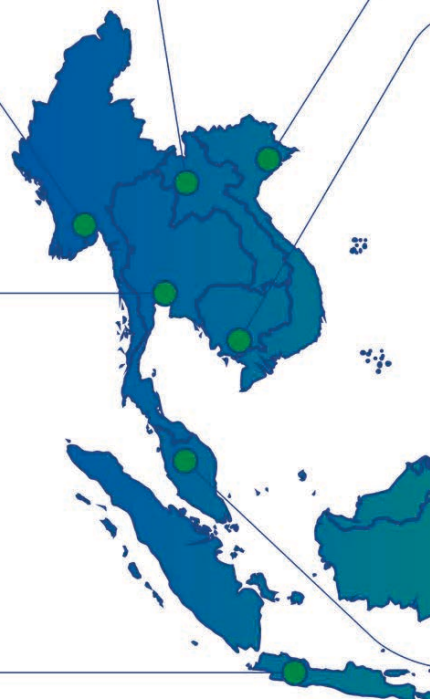
- University of Medicine 1
- University of Public Health
- University of Veterinary Science, Yezin

INDOHUN

- Airlangga University
- Andalas University
- Bogor Agriculture University
- Brawijaya University
- Cendrawasih University
- Diponegoro University
- Gadjah Mada University
- Hasanuddin University
- Mataram University
- Muhammadiyah Hamka University
- Mulawarman University
- Nusa Cendana University
- Padjajaran University
- Sam Ratulangi University
- Sriwijaya University
- Syiah Kuala University
- Udayana University
- University of Indonesia
- University of North Sumatra
- University of West Nusa Tenggara

THOHUN

- Burapha University (new)
- Chiang Mai University
- Chulabhorn Royal Academy
- Chulalongkorn University
- Kasetsart University
- Khon Kaen University
- Mahasarakham University
- Mahidol University
- Prince of Songkla University
- Thammasat University
- Walailak University



CAMBOHUN

- Prek Leap National Institute of Agriculture
- Royal University of Agriculture (RUA)
- University of Health Sciences, Cambodia

VOHUN


- Bac Giang Agriculture and Forestry University
- Buon Ma Thuot University
- Can Tho University
- Can Tho University of Medicine & Pharmacy
- Dong A University (new)
- Hai Phong University of Medicine & Pharmacy
- Hanoi Medical University
- Hanoi University of Public Health
- Hue University of Agriculture & Forestry
- Hue University of Medicine & Pharmacy
- Nam Dinh University of Nursing
- Nghe An University of Economics
- Nong Lam University - Ho Chi Minh City
- Phenikaa University (new)
- Quy Nhon University
- Tay Nguyen University
- Thai Binh University of Medicine and Pharmacy
- Thai Nguyen University of Agriculture & Forestry
- Thai Nguyen University of Medicine & Pharmacy
- Tra Vinh University
- University of Medicine and Pharmacy at Ho Chi Minh City
- University of Medicine and Pharmacy - Vietnam National University, Hanoi (new)
- Vietnam National University of Agriculture
- Vinh Long University of Technology Education
- Vinh Medical University

PHILOHUN

- Benguet State University
- Cavite State University
- Central Luzon State University
- Central Mindanao University
- Pampanga State Agricultural University
- University of Eastern Philippines
- University of the Philippines Los Baños
- University of the Philippines Manila
- Visayas State University

MYOHUN

- International Islamic University Malaysia
- International Medical University
- Management and Science University
- Royal College of Surgeons in Ireland & University College Dublin Malaysia Campus
- Universiti Kebangsaan Malaysia
- Universiti Malaya
- Universiti Malaysia Kelantan
- Universiti Malaysia Sabah
- Universiti Malaysia Sarawak
- Universiti Malaysia Terengganu
- Universiti Putra Malaysia (UPM)
- Universiti Sains Islam Malaysia
- Universiti Sains Malaysia
- Universiti Sultan Zainal Abidin
- Universiti Teknologi MARA
- Universiti Tunku Abdul Rahman
- University of Cyberjaya



SEAOHUN PROJECT UPDATES

SEAOHUN continuously advocates for the role of universities to advance the development of a One Health Workforce in Southeast Asia. To fulfill this mission, we are implementing three projects: 1) Strengthening One Health Education in Southeast Asia funded by Chevron; 2) Strategies to Prevent Spillover funded by USAID; and 3) the One Health Workforce – Next Generation Project, also funded by USAID and constituting the bulk of our regional work for 2021.

STRENGTHENING ONE HEALTH EDUCATION IN SOUTHEAST ASIA

PROJECT OBJECTIVES AND ACTIVITIES

- Increase One Health technical and core competencies of pre-service health professionals.
- Develop a strategic plan and incorporate One Health modules in all member universities of the Philippine One Health University Network.



Project goal

Expand One Health programs to equip pre-service and in-service health professionals with cross-sectoral competencies and foster them to become One Health leaders in Southeast Asia.



Funding institution

Chevron



Project period

January 2021 to December 2022

ACCOMPLISHMENTS AND HIGHLIGHTS FOR 2021

- Launched SEAOHUN 2021 Regional Students' Competition on the Risk Zoonotic diseases in April 2021.
- Over 200 participants from 10 countries attended the webinar on "How to make an impact with a short video", organized by SEAOHUN in partnership with Chevron and the University of California Davis on 28 May 2021. The write-up for the webinar is published at <https://bit.ly/3D1I0za>
- Webinar: <https://bit.ly/3SarQYh>
- SEAOHUN and Chevron organized a session for Chevron's six media experts to provide feedback to 13 videos pre-submitted by 10 student teams from four countries on 28 June 2021.
- Conducted an initial meeting to form a working group for each activity in the Philippines and started the implementation in the second half of 2021.

ONE HEALTH EDUCATION PROJECT PARTNERS

Southeast Asian Ministers of Education Organization Tropical Medicine and Public Health Network (SEAMEO TROPMED), SEAMEO Regional Centre for STEM Education (STEM-ED), and Tropical Diseases Research Center (TDRC) of Khon Kaen University



STRATEGIES TO PREVENT SPILLOVER

PROJECT OBJECTIVES AND ACTIVITIES

- Understanding the risk factors that contribute to viral spillover from animals to humans
- Implementing interventions at spillover points to prevent zoonotic disease
- Assessing risk reduction practices and policies to prevent spillover and mitigate amplification and spread of disease



Project goal

Enhance the capacity of local, national and regional institutions to understand the Spillover Ecosystem and use existing and new evidence to advance, deploy, and assess interventions to reduce the spillover of emerging zoonotic viruses at high-risk animal-human interfaces while reducing amplification and spread.



Funding institution

United States Agency for International Development



Project period

October 2020 – September 2025

ACCOMPLISHMENTS AND HIGHLIGHTS FOR 2021

- Regional Lead Asia (RLA) and a Vietnam Country Team were recruited and completed the orientation.
- Vietnam Country Team engaged with key stakeholders to receive their buy-in for the project.
- The project was approved by the relevant Ministries in Viet Nam in August.
- USAID approved the project to be implemented in Cambodia in September.
- The interface level stakeholder engagement (Outcome mapping) in Vietnam was conducted in Dong Nai in December.

STOP SPILLOVER CONSORTIUM PARTNERS

The STOP Spillover project is led by Tufts University, with consortium partners AFROHUN, SEAHOHUN, icddr,b, Right Track Africa, JSI Research and Training Institute, Inc., Tetra Tech, University of Washington, University of Glasgow, University of California Los Angeles, Broad Institute, University of Nebraska Medical Center, Humanitarian OpenStreetMap Team, and the Internews.



Africa One Health University Network



Southeast Asia One Health University Network



icddr,b



Right Track Africa



JSI Research & Training Institute, Inc.



Tetra Tech



University of Washington



University of Glasgow



University of California Los Angeles



Broad Institute



University of Nebraska Medical Center



Humanitarian OpenStreetMap Team



Internews

ONE HEALTH WORKFORCE - NEXT GENERATION

PROJECT OBJECTIVES AND ACTIVITIES

- Training & Empowerment: Develop, deliver, and institutionalize training and educational offerings in alignment with prioritized One Health core competencies and technical skills.
- Assessment & Tracking: Establish systems, policies, and procedures to assess and track multi-sectoral workforce placement, performance, and impact.
- Organizational Sustainability: Strengthen the functional and organizational capacities of the regional One Health University Networks to acquire and manage direct donor funding.



Project goal

Empower the One Health University Networks to provide model One Health programs for students and in-service professionals, equipping them with the skills to work towards viable solutions for complex problems such as high-impact infectious diseases or antimicrobial resistance.



Funding institution

United States Agency for International Development



Project period

October 2019 - September 2024

SUPPORT NATIONAL RESPONSES TO THE COVID-19 CRISIS

Special emergency COVID-19 response funding from USAID was implemented this year to:

- Improve COVID-19 infection prevention and control
- Help improve laboratory standards and systems to support COVID-19 testing
- Raise capacities in COVID-19 disease surveillance and contact tracing
- Assist in the responsible dissemination of COVID-19 risk information

ACCOMPLISHMENTS AND HIGHLIGHTS FOR 2021

- 5 fellows gained practical One Health experience
- 18 scholarships awarded benefitting individual recipients throughout the Network
- 49 grants awarded to 122 individuals from member Universities and government agencies
- 180 students joined the SEAOHUN Regional Students Competition held April 20 to July 12
- Co-organized the Competency-Based Education and the One Health Competency Framework training for 16 SEAOHUN members, June to August 2021
- Published Issues 1 to 3 of the SEAOHUN Newsletter
- Project Year 2 Showcase held on 28 October 2021
- New animated video about SEAOHUN and our work in the region
- SEAOHUN brochure highlighting our current work

OHW-NG IN NUMBERS

The following is a snapshot of the University Networks' collective project achievements for October 2020 to September 2021.



Source: SEAOHUN. OHW-NG 2021 Annual Report. SEAOHUN Secretariat, December 2021: pp. 8-9.

OHW-NG CONSORTIUM PARTNERS

University of California Davis, Africa One Health University Network, EcoHealth Alliance, Ata Health Strategies, Columbia University, University of California Berkeley, University of New Mexico, University of California Irvine



SEAOHUN REGIONAL PROGRAMS

SEAOHUN has four flagship regional programs that are largely supported by the USAID through the One Health Workforce - Next Generation Project. This funding is significant, enabling contributions towards capacity development for research, professional practice, and development projects in skills and competencies for applying the One Health approach.

The SEAOHUN Regional Programs are:

- Small Grants
- Fellowships
- Student engagement
- Scholarships

SEAOHUN, through the Secretariat, is actively seeking out additional support to these programs. This section captures the 2021 experience.

SMALL GRANTS PROGRAM

The SEAOHUN Small Grants Program support teams of in-service health professionals and faculty members with awards up to USD 10,000 to conduct research and develop training concepts that can contribute to longer-term outcomes such as policy, innovative solutions to localized public health problems or the scaling up of additional research. The grants catalyze innovative field research, curriculum development, and training implementation. This initiative provides critical support for member countries' activities to advance One Health agendas in Southeast Asian countries, fosters multisectoral and multi-disciplinary collaboration, as well as cooperation across SEAOHUN member Universities and government agencies of member countries.

The program was launched in July 2020 with funding provided by USAID through the OHW-NG Project. Eight grants were awarded in late September 2020, and grant recipients implemented their project ideas the following year. The grants are awarded based on selective criteria announced in calls for applications.

In 2021, the FAO Regional Office for Asia and the Pacific provided funds for five additional grants that are aligned with their priorities. SEAOHUN welcomes new organizations who are willing to provide funds for this program.



Into a Cave: Enhancing Surveillance in Malaysia, SEAOHUN 2021 Small grant; photo source: Dr. Cheng Siang Tan

PROGRAM HIGHLIGHTS FOR 2021

- Eight grants (awarded in 2020) completed.
- 43 grant applications received in 2021
- 13 new Small Grants awarded
- 2021 recipients were from Cambodia, Malaysia, Myanmar, Philippines, Thailand, and Viet Nam

Link to the program webpage:

<https://www.seaohun.org/small-grants>

List of feature stories on the grants completed in 2021, and follow this link to the SEAOHUN Newsletter with the stories:

<https://mailchi.mp/9e6505c0bb4a/seahunnewsletterissue3>

- Antimicrobial Resistance in Wastewater of Yangon Area
- Antimicrobial Stewardship Programs for Veterinarians in Indonesia
- Awareness Sessions on Alleviating Rodent-Borne Diseases in Malaysia
- Development of One Health Courses in the Philippines
- Into a Cave: Enhancing Surveillance in Malaysia
- Rabies Awareness and Training in Communities in Cambodia
- Reducing Environment Pollution in Poultry Farming in Viet Nam
- Training on Mosquito-Borne Zoonotic Diseases for Researchers in Southeast Asia

FELLOWSHIP PROGRAM

The SEAOHUN Fellowship Program strives to strengthen early- to mid-career professionals in human health, animal health, and environmental health to gain practical experience working on One Health issues. The program places fellows for three to five months at host organizations to work for related projects and research. The fellows are provided a modest stipend and travel support to the host organization from the USAID-OHW-NG Project. At the end of the program, the fellows will gain practical experience in working for One Health issues and be well-oriented to work at academic and research institutions, government agencies, international organizations, or international non- governmental organizations in Southeast Asia.



Mr. Thanh Duy Vo working as a fellow at Wildlife Conservation Society Viet Nam; photo source: Thanh Duy Vo

The Fellowship Program's success depends in large part upon finding organizations who are: 1) already or at least are considering working on topics that benefit from a One Health approach; and 2) are willing to serve as a host and mentor to the fellows. Each fellowship was awarded based on the selection criteria, and on the matching of the candidate's experience with the host organization's ongoing projects. This year, five organizations served as host to fellows, with the placements happening locally as an adjustment to the restricted travel due to the COVID-19 pandemic.

PROGRAM HIGHLIGHTS FOR 2021

- Five Fellowships awarded
- Recipients are from Indonesia, Laos, Philippines, Myanmar, and Viet Nam
- Five Host Organizations
 - Bureau of Animal Industry, Department of Agriculture, Philippines (new program partner), hosted Mr. Yusuf Sucol of the Philippines.
 - Eijkman Institute for Molecular Biology, Indonesia, hosted Ms. Clara Imaniar of Indonesia.
 - FAO in Lao PDR (new program partner), hosted Mr. Ketkesone Phrasisombath of Lao PDR
 - SEAOHUN Secretariat, Thailand, hosted, Ms. Maw Rain of Myanmar.
 - Wildlife Conservation Society, Viet Nam, hosted Mr. Thanh Duy Vo of Viet Nam

Link to program webpage including feature stories about the 2021 Fellows' experiences:

<https://www.seaohun.org/fellowship>

SCHOLARSHIP PROGRAM

Since 2016, SEAOHUN has provided financial support to over 35 scholarship recipients with the support of USAID. This scholarship program enables young professionals to pursue their first Master's degrees in fields related to One Health, catalyzing a new generation of health professionals involved in One Health. The opportunity is open for early-career professionals enrolled in international programs in any SEAOHUN member countries. Successful applicants receive for one year an annual tuition fee support of up to USD 12,000, living allowance, health insurance, and other costs related to study.

The activity has provided opportunities for students to make connections with faculty and researchers from partner institutes which will be valuable for their future professions. Having increased knowledge in One Health-related subjects and gaining practical skills in research increases graduates' job prospects in areas such as research, teaching or supporting outbreak response efforts.

In 2021, USAID through the OHW-NG Project supported 10 scholars. This year, Chevron became a program partner and provided one additional scholarship. Students are enrolled in degree programs in fields including epidemiology, public health, and medical science. The program is also supported by the ASEAN+3 Field Epidemiology Training Network, and the Regional Field Epidemiology Training Program for Veterinarians.



SEAOHUN scholar Nur Azizah Azzahra (left) distributing COVID-19 information leaflets, February 2021; photo source: Nur Azizah Azzahra

PROGRAM HIGHLIGHTS FOR 2021

- 11 scholarships provided (10 supported by USAID; one supported by Chevron)
- Successful applicants are from Cambodia, Indonesia, Myanmar, Philippines, and Viet Nam
- Scholars were enrolled in the following international programs:
 - Master of Epidemiology Program, Diponegoro University, Indonesia
 - Master of Medical Science, Universiti Malaysia Sarawak, Malaysia
 - Master of Public Health, Chulalongkorn University, Thailand
 - Master of Public Health, Hanoi Medical University, Viet Nam
 - Master of Public Health, Mahidol University, Thailand
 - Master of Public Health, Thammasat University, Thailand
 - Master of Science Program, Chiang Mai University, Thailand

Link to the program webpage:

<https://www.seaohun.org/scholarship>

“My research made me more aware that applying One Health is vital in preventing health issues like zoonotic diseases that require the engagement of various sectors through communication, coordination, and collaboration. Health problems are not only the responsibility of human and animal health officers, but all sectors should work together, and we could not fix the health issue without support from others like local government, community, law enforcement officers, etc.” – Ms. Nur Azizah Azzahra, Indonesia, SEAOHUN Scholar at Diponegoro University in Indonesia

STUDENTS ENGAGEMENT PROGRAM

SEAOHUN Students Engagement Program encourages students from across its member Universities, disciplines, and countries to improve their skills to promote the One Health concept for addressing complex health challenges. With support by USAID through the OHW-NG Project, SEAOHUN holds a competition for students of SEAOHUN member countries to utilize their creative skills (soft skills) and technical knowledge (hard skills) to communicate to the public about the risks of zoonotic diseases.

The SEAOHUN 2021 Regional Students' Competition was held for the second year with the additional support of Chevron. Teams of four students from different disciplines worked together to create an original short video (three to four minutes in length) about the risks of zoonotic diseases on any of these topics: 1) gender and zoonotic diseases; 2) underserved communities and their interactions with animals; and 3) wildlife and zoonotic diseases.

The competition was held from April until July where a panel of experts from the SEAOHUN University Networks judged with a public selection. Entrants were invited to attend the webinar, "How to make an impact with a short video" held on May 28 to learn how to create engaging videos, organized by SEAOHUN in partnership with OHW-NG Project Global Consortium and Chevron.

The competition provided one award per country and recognized six runners up, yielding many interesting and well-made entries. A "People's Choice Award" for all finalists was also done to engage the public on the top video. This year's award went to Panthera Tigris from Malaysia whose video highlighted the links between illegal logging and its impact upon bats and their role in the ecosystem.

PROGRAM HIGHLIGHTS FOR 2021

- 52 submissions
- Approximately 180 students joined
- Participants came from Cambodia, Indonesia, Lao PDR, Malaysia, the Philippines, Thailand and Viet Nam

"As the video went viral, there was one teacher in another district who contacted us, she told us how amazing the video was, and she was very excited to share it with her school students. I think this is a great opportunity for us to share this video with our younger generation so they can gain information about what is going on in Malaysia and what they can do help improve this." – Ms. Shasha Aqilah, member of the Panthera Tigris team who won the SEAOHUN 2021 Regional Students' Competition People's Choice Award

Read more:

<https://www.seaohun.org/student-activities>

Link to the playlist of winning videos from the 2021 Regional Student Competition:

<https://www.youtube.com/seaohun>



Image from "Their scream is our voice", video by Panthera Tigris (Malaysia), winner of the 2021 Regional Students Competition Public Pick Award winner; image source: SEAOHUN



Awareness Sessions on Alleviating Rodent-Borne Diseases in Malaysia, SEAHOUN 2021 Small grant; photo source: Dr. Farah Shafawati Mohd-Taib

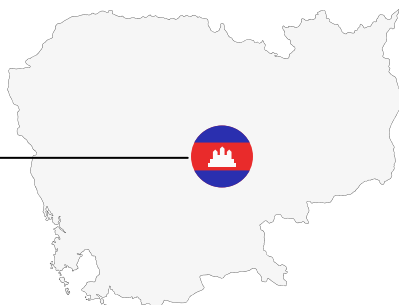
SEAOHUN COUNTRY NETWORKS

SEAOHUN fostered the establishment of country networks, and saw the expansion from four to eight networks in 2019. The regional network is currently composed of country networks from Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, the Philippines, Thailand and Viet Nam.

In 2021, SEAOHUN facilitated the strengthening of the networks with support for activities to develop and implement One Health university and training curricula, promote field experiences for students, and foster cross-sector collaboration to face complex health challenges.

CAMBODIA ONE HEALTH UNIVERSITY NETWORK

The Cambodia One Health University Network (CAMBOHUN) is the network of universities and professionals in Cambodia working to promote multi-disciplinary and cross-sectoral One Health activities for local and regional visibility.



3 MEMBER UNIVERSITIES

- Prek Leap National Institute of Agriculture
- Royal University of Agriculture (RUA)
- University of Health Sciences, Cambodia

OHW-NG PROJECT HIGHLIGHTS FOR 2021

- CAMBOHUN conducted training course from February 22 to 24 on participatory epidemiology for 15 staff and students from member universities.
- The network organized a webinar on June 11 about the process for establishing a CAMBOHUN One Health Student Club (OHSC); it featured a speaker from MyOHUN, Dr. Nur Indah Ahmad.
- A webinar was held on September 17 to raise awareness about One Health for faculty members, lecturers, and students from Cambodian universities.
- CAMBOHUN, FAO and RUA organized a hybrid seminar during the World Antimicrobial Awareness Week under a global theme, "Spread Awareness, Stop Resistance" on November 23, 2021; 33 participants attended at RUA while 190 joined online.
- Individual members of CAMBOHUN universities and project staff participated in key capacity building events: Project Management training; SEAOHUN Finance training; SEAOHUN Monitoring, Evaluation and Learning (MEL) Peer-to-Peer Training; Competency-Based Education; Communications Workshop
- CAMBOHUN participated in the online SEAOHUN Executive Board meetings.

FEATURE STORY

MASTER TRAINERS PROVIDED CASCADE TRAINING SESSIONS ON PARTICIPATORY EPIDEMIOLOGY IN PHNOM PENH

CAMBOHUN is an advocate for capacity building in participatory epidemiology. This concept is based on the idea of participation by the studied or affected community in the understanding of patterns of disease as well as in the interventions to promote public health. In year 2021, the network tapped on its Master Trainers in participatory epidemiology to provide a three-day training course from February 22 to 24 to increase the number of practitioners of its approaches and techniques. Funding support was provided by USAID through the OHW-NG Project.

Link to web post: <https://www.seaohun.org/single-post/cambohun-s-trainers-conducted-a-cascade-training-on-participatory-epidemiology>

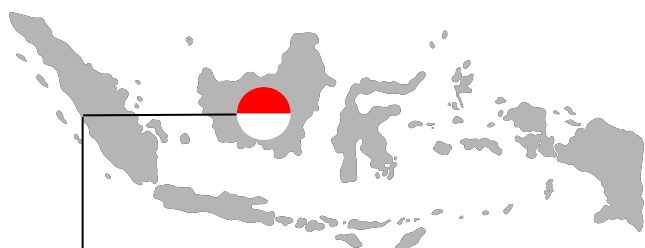
This activity was featured in a success story of the OHW-NG Project Year 2 Annual Report; download the report here: <https://bit.ly/OHWNGY2>



Trainees learn about the “proportional piling” technique during the Participatory Epidemiology course, February 22 to 24; Phnom Penh, Cambodia; photo credit: CAMBOHUN

INDONESIA ONE HEALTH UNIVERSITY NETWORK

The Indonesia One Health University Network (INDOHUN) of higher education institutions aims to promote multi-disciplinary collaboration by the human, animal and environmental health sectors in the country.



20 MEMBER UNIVERSITIES

- Airlangga University
- Andalas University
- Bogor Agriculture University
- Brawijaya University
- Cendrawasih University
- Diponegoro University
- Gadjah Mada University
- Hasanuddin University
- Mataram University
- Muhammadiyah Hamka University
- Mulawarman University
- Nusa Cendana University
- Padjajaran University
- Sam Ratulangi University
- Sriwijaya University
- Syiah Kuala University
- Udayana University
- University of Indonesia
- University of North Sumatra
- University of West Nusa Tenggara

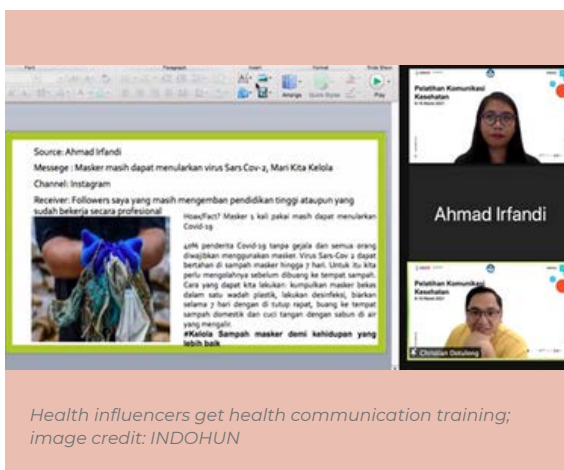
OHW-NG PROJECT HIGHLIGHTS FOR 2021

- INDOHUN supported the Government of Indonesia's community-level pandemic response by providing contact tracing training from January to July, for 2,241 young professionals and 1,183 university students from 31 provinces in Indonesia.
- INDOHUN conducted three rounds of Health Communication Training in February and March 2021 for 126 lecturers and students from 49 universities across 21 provinces of Indonesia. The objective was to improve communication skills to assist participants in sharing credible information on COVID-19 issues.
- INDOHUN trained 52 laboratory technicians working in university hospitals on biorisk management from February to July, and had two laboratories assessed by experts using an online, ISO 35001-compliant tool developed by the One Health Laboratory Network.
- In partnership with the Ministry of Education, Culture, Research and Technology (MoECRT) the National Disaster Management Agency, and the Bali Health Office, INDOHUN trained 511 student volunteers in July to monitor community compliance with COVID-19 health protocols such as wearing masks and maintaining distance. This activity is part of "Kuliah Kerja Nyata Tematik (KKN Tematik) Posko Desa Penanganan COVID-19 #BALIKEMBALI", a nationwide multisectoral collaboration project between the MoECRT, the Ministry of Health, the National Taskforce of COVID-19, and other institutions in Indonesia. It was featured in the OHW-NG Project Year 2 Annual Report; download it here: <https://bit.ly/OHWNGY2>

FEATURE STORY

GUIDING THE RISK AND CRISIS COMMUNICATIONS OF HIGHER LEARNING INSTITUTIONS

One Health influencers such as university lecturers have the reputation, knowledge, and expertise to responsibly guide and encourage people to follow safe practices in this time. They could use social media to promote the best practices based on research, but they may not have layman terminology, and could benefit from a briefing about digital communication concepts and their audiences' socio-cultural background. To narrow this gap, INDOHUN with the support from the USAID OHW-NG Project and the Indonesian Ministry of Education, Culture, Research and Technology, conducted three batches of health communication training in February and March to enhance lecturers' digital communication skills for constructing scientific yet audience-friendly digital communication materials on COVID-19 and health. The two-day online training provided active learning experiences that included role play, workshop, and trying social media tools.

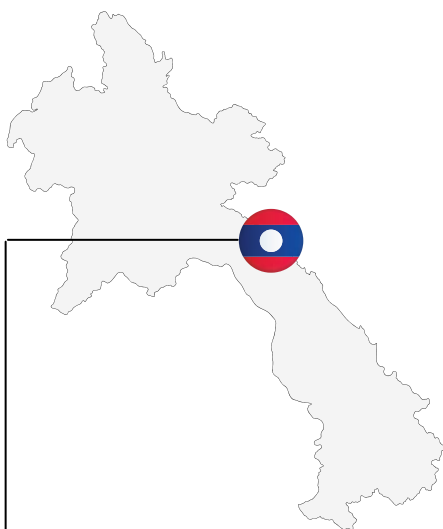


OHW-NG PROJECT HIGHLIGHTS FOR 2021 (CON.)

- With support from the One Health Workforce-Next Generation Global Team, INDOHUN conducted a One Health Tabletop Simulation from September 7 to 9, which prepared and equipped university students from health and health-related disciplines to conduct discussion-based parliamentary meetings in response to health crisis scenarios.
- INDOHUN continued to support the implementation of One Health core competencies through the development of health training courses, specifically targeting government health officers. These courses include One Health and Zoonoses Epidemiology training modules, One Health soft skills, One Health Massive Open Online Course, and tools for post-training evaluation.
- INDOHUN collaborated with Diponegoro University to plan the conversion of the Field Epidemiology Training Program into a Masters in Epidemiology under the Faculty of Public Health. They mapped out the potential academic or training programs that may utilize the Field Epidemiology Training Program, and government policies that would create the demand for such a course.
- INDOHUN contributed three modules to the Massive Open Online Course learning system by BBPK Ciloto for the continuing professional development of government health officers. The courses were: Sciences in the One Health Approach, One Health Core Competencies, and One Health Applications.
- INDOHUN developed separate training modules for public health centers (puskesmas) and hospital health professionals on applying the principles of infection prevention and control to stop the spread of COVID-19.
- To engage students of multidisciplinary backgrounds to develop professional capacities in One Health, INDOHUN supported OHSCs in each of the five One Health Collaborating Centers within the country network. Over the year, the Centers helped organized training events, case study analyses, and community visits.
- INDOHUN published Issue #6 and #7 of Emerging magazine, the network's own publication for disseminating the latest information on One Health activities.
- INDOHUN participated in the online SEAOHUN Executive Board meetings.

LAO ONE HEALTH UNIVERSITY NETWORK

The Lao One Health University Network (LAOHUN) collaborates with its university members to promote the One Health concept and its core and technical competencies, as well as to expand interdisciplinary collaboration on health care.



5 MEMBER UNIVERSITIES

- Champasack University
- National University of Laos
- Savannakhet University
- Souphanouvong University
- University of Health Sciences, Lao PDR

OHW-NG PROJECT HIGHLIGHTS FOR 2021

- LAOHUN was strengthened this year with through the signing of a formal Memorandum of Understanding with Souphanouvong University as member of the network.
- LAOHUN organized an introductory meeting on August 13 about One Health and the university network for Souphanouvong University in Luangprabang.
- The member universities organized an online vaccination awareness campaign for students and faculty members of the National University of Laos and the University of Health Sciences on September 25 & 26.
- LAOHUN held its Board Meeting on December 10.
- LAOHUN participated in key capacity building events: Project Management training; Competency-Based Education.
- LAOHUN participated in the online SEAHOHUN Executive Board meetings.

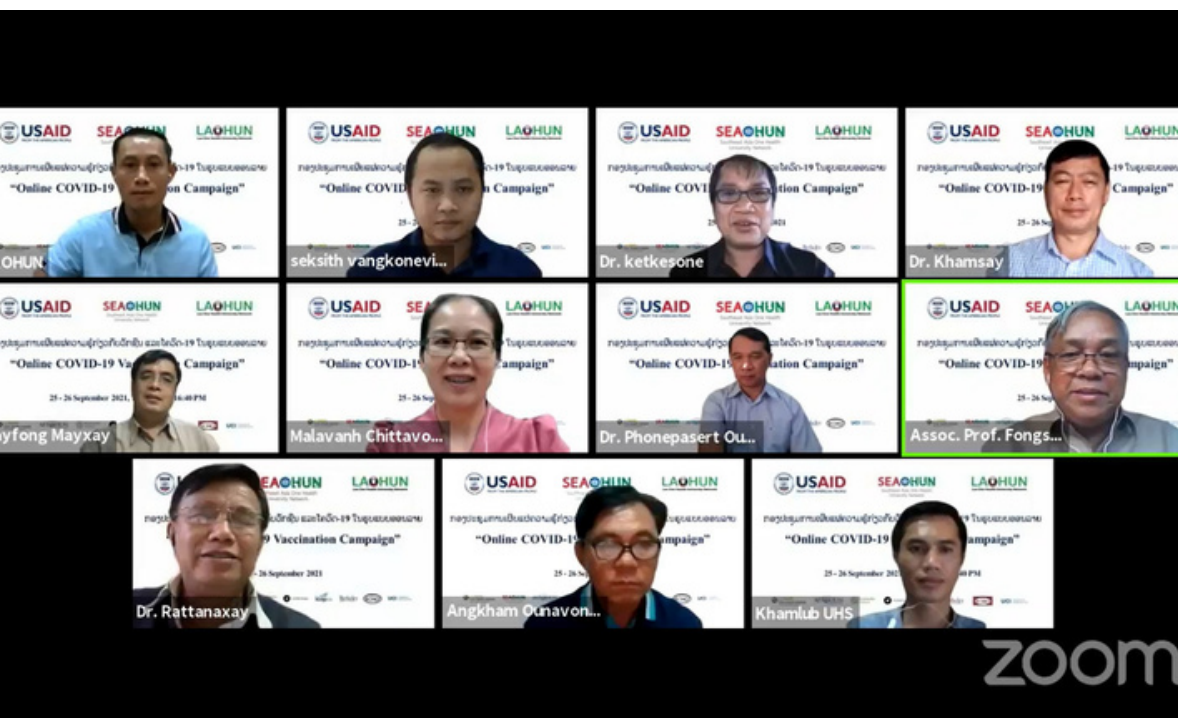
FEATURE STORY

ONLINE CAMPAIGN RAISED AWARENESS ABOUT COVID-19 AND VACCINATION

LAOHUN organized and implemented an online awareness campaign on COVID-19 vaccination on September 25 and 26. The purpose of the campaign was to increase awareness, knowledge, and perception of students and faculty members about COVID-19 vaccination, and to encourage students to disseminate general information about the COVID-19 pandemic and vaccination measures within their spheres of influence. The two-day webinar presented the COVID-19 infection prevention and control strategy of the government of LAO PDR, vaccination strategy, laboratory testing for the disease and recommendations for accuracy and reliability of the results, and type of COVID-19 vaccines and where to get them in the country. The webinar had 380 virtual participants, and the recorded Day 1 and Day 2 sessions have been viewed more than 6,000 and 3,000 times, respectively. This webinar was supported by the USAID OHW-NG Project.

Links to the webinar recording:

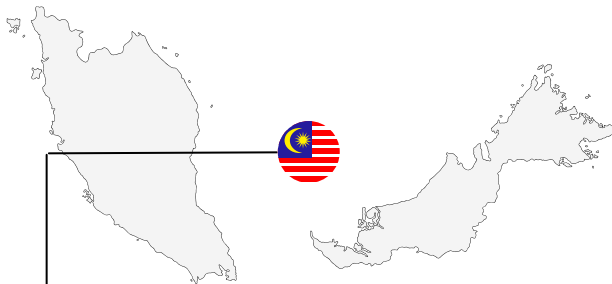
- Day 1: <https://www.facebook.com/laohun.lao/videos/289505619332231>
- Day 2: <https://www.facebook.com/laohun.lao/videos/1196514114169684>



Panelists of the COVID-19 Vaccination awareness-raising campaign, September 25 & 26; image credit: LAOHUN

MALAYSIA ONE HEALTH UNIVERSITY NETWORK

The Malaysia One Health University Network (MyOHUN) links and enables universities, government ministries, and relevant agencies to generate social and intellectual capital on One Health against infectious and zoonotic diseases.



17 MEMBER UNIVERSITIES

- International Islamic University Malaysia
- International Medical University
- Management and Science University
- Royal College of Surgeons in Ireland & University College Dublin Malaysia Campus
- Universiti Kebangsaan Malaysia
- Universiti Malaya
- Universiti Malaysia Kelantan
- Universiti Malaysia Sabah
- Universiti Malaysia Sarawak
- Universiti Malaysia Terengganu
- Universiti Putra Malaysia (UPM)
- Universiti Sains Islam Malaysia
- Universiti Sains Malaysia
- Universiti Sultan Zainal Abidin
- Universiti Teknologi MARA
- Universiti Tunku Abdul Rahman
- University of Cyberjaya

OHW-NG PROJECT HIGHLIGHTS FOR 2021

- UPM OHSC, together with MyOHUN and the International Veterinary Students' Association, held on January 9, the webinar "The Re-emergence of Rabies Posing a Transnational Threat to Public Health."
- MyOHUN organized two webinars on "Roles and Challenges of Gender in Infectious Diseases" on April 8 and May 29, with more than 200 attendees in total from around the world. The webinars were the topic of the OHW-NG Project Year 2 Annual Report; download it here: <https://bit.ly/OHWNGY2>
- To encourage students to follow potential professional paths in One Health-related fields, the UPM OHSC organized the "One Health Career Talk" webinar on May 22.
- The "Preventing the Next Pandemic" online discussion was held in celebration of World Zoonoses Day on July 6. Over 650 participants listened to expert speakers such as MyOHUN's Prof. Dr. Latiffah Hassan, Teresa Yong Sui Mien from the National Institute of Health Malaysia, Dr. Bruce Wilcox of Global Health Group, and Tom Hughes from the EcoHealth Alliance.
- The Ministry of Higher Education and MyOHUN launched on September 30, "Guidelines Module for Higher Learning Institutions: Risk and Crisis Communications for Public Health and Institutional Resilience."

FEATURE STORY

STRENGTHENING RISK AND CRISIS COMMUNICATION SKILLS

The Ministry of Higher Education and MyOHUN launched, “Komunikasi Risiko & Krisis untuk Kesehatan Awam & Ketahanan Institusi: Modul Panduan untuk Institusi Pendidikan Tinggi” (“Guidelines Module for Higher Learning Institutions: Risk and Crisis Communications for Public Health and Institutional Resilience”). The ceremony on September 30, 2021, was officiated by Datuk Seri Dr. Noraini Ahmad, Minister of Higher Education. The modules were developed by 41 experts on risk management, workplace occupational safety and health, corporate communications, and university top management. The module was the subject of a success story in the OHW-NG Project Year 2 Annual Report; download it here: <https://bit.ly/OHWNGY2>. Link to the online module: https://www.upm.edu.my/info/komunikasi_krisis_dan_risiko/



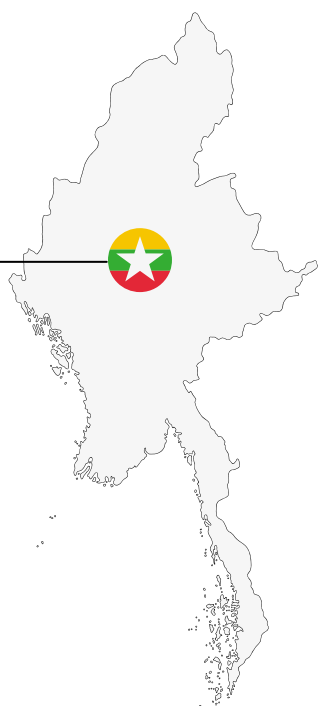
Datuk Seri Dr. Noraini Ahmad, Minister of Higher Education;
image credit: MyOHUN

OHW-NG PROJECT HIGHLIGHTS FOR 2021 (CON.)

- Field Epidemiology Training was successfully conducted virtually from September 8 to 10, for 38 government officers and academicians, and covered zoonotic diseases and the One Health core competencies as relevant to field epidemiology.
- MyOHUN and the Ericsen Foundation assisted the Teaching Hospital of UPM to establish a COVID-19 detection laboratory. The assistance included training for 11 laboratory technicians on laboratory diagnosis of COVID-19, and provision of testing kits and equipment. As a result, 1000 refugees and health care workers benefitted from the testing.
- MyOHUN developed the “COVILaM: COVID-19 Laboratory Module,” an online training course for healthcare workers on laboratory diagnostics for COVID-19. Access the course here: <https://covid19module.my/>
- A training manual and a video on risk management of COVID-19 were developed for the Rohingya community; the video is available in English, Malay, Burmese, and Rohingya native spoken language.
- MyOHUN participated in the online SEAOHUN Executive Board meetings.

MYANMAR ONE HEALTH UNIVERSITY NETWORK

The Myanmar One Health University Network (MMOHUN) promotes the development of One Health professionals and facilitates the exchange of knowledge and ideas among human, animal, and environmental health professionals in Myanmar.



3 MEMBER UNIVERSITIES

- University of Medicine 1
- University of Public Health
- University of Veterinary Science, Yezin

OHW-NG PROJECT HIGHLIGHTS FOR 2021

- OHW-NG Project Highlights for 2021
Implementation of activities under the MMOHUN work plan was shifted to mostly online implementation due to the challenges for the period in the country.
- SEAOHUN supported capacity building of individuals from Myanmar through the regional programs (Small Grants, Scholarships).
- Individuals from MMOHUN member Universities were also able to participate in capacity building activities organized by SEAOHUN Secretariat and the Global Consortium: Project Management training; Competency-Based Education; Communications Workshop.
- MMOHUN participated in the online SEAOHUN Executive Board meetings.

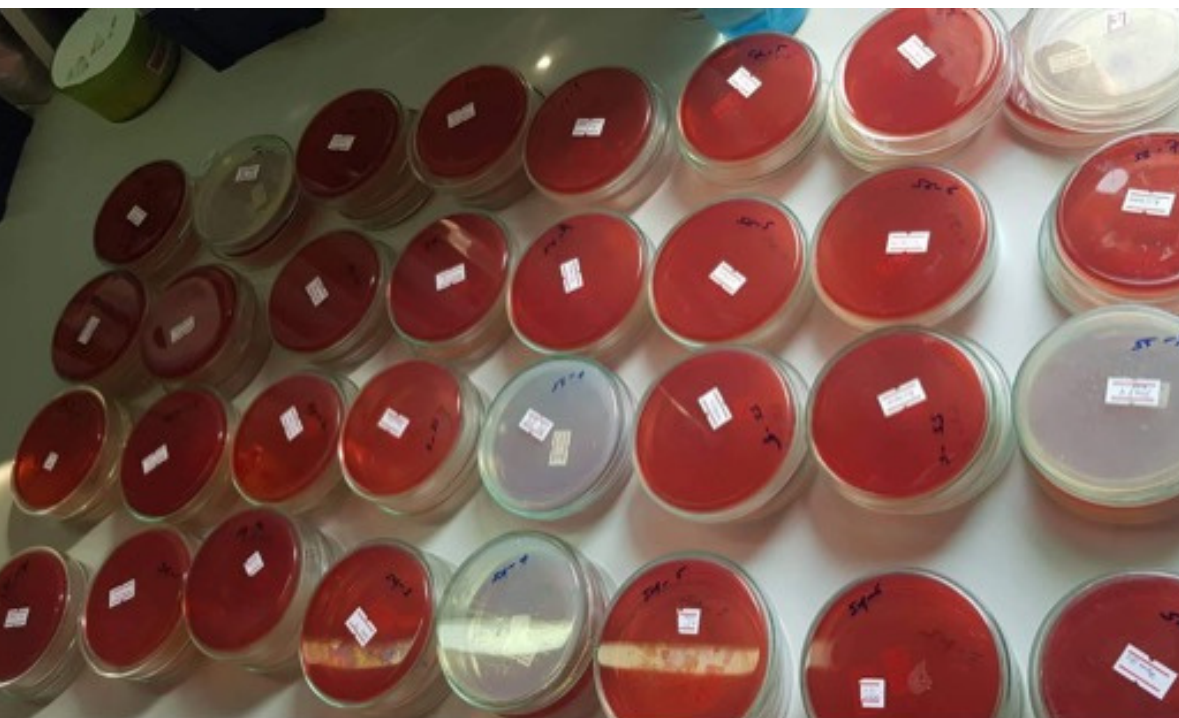
 <https://www.seaohun.org/mmohun>

FEATURE STORY

STUDY IDENTIFIES BACTERIA RELATED TO ANTIMICROBIAL RESISTANCE

Dr. Mya Thandar, Prof. Hla Hla Win, Prof. Khin May Oo, Dr. Moh Moh Kyi, and Dr. Myat Su Khiaing, all from the University of Public Health in Yangon, conducted a study of wastewater samples from randomly selected poultry farms, aquaculture farms, community drains, and hospital drains. They isolated bacteria from 40 wastewater samples and identified *Escherichia coli* and *Klebsiella pneumoniae* that produce the enzymes responsible for most antibiotic resistance. The team received a SEAOHUN Small Grant to conduct this study which was completed in 2021. The research contributes to the creation of baseline data on the magnitude of drug resistance of the pathogens that may be found in the wastewater of the Yangon Region of Myanmar.

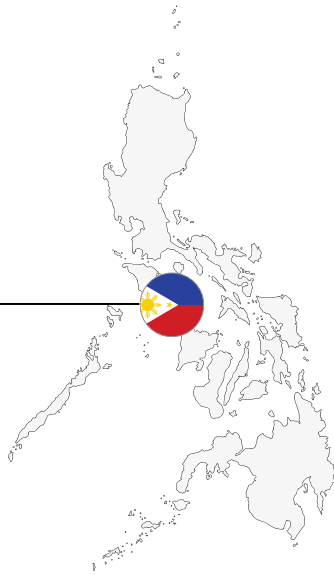
Link to article on the study: <https://www.seaohun.org/single-post/antimicrobial-resistance-in-wastewater-of-yangon-area>



Cultures from superficial wastewater samples from the Yangon Region. Photo source: Mya Thandar, University of Public Health

PHILIPPINE ONE HEALTH UNIVERSITY NETWORK

The Philippine One Health University Network (PhilOHUN) aims to develop the next generation of skillful and competent One Health workforce.



9 MEMBER UNIVERSITIES

- Benguet State University
- Cavite State University
- Central Luzon State University
- Central Mindanao University
- Pampanga State Agricultural University
- University of Eastern Philippines
- University of the Philippines Los Baños
- University of the Philippines Manila
- Visayas State University

OHW-NG PROJECT HIGHLIGHTS FOR 2021

- SEAOHUN supported capacity building of individuals from the Philippines through the regional programs (Small Grants, Scholarships).
- Participated in key capacity building events: Project Management training; Competency-Based Education; Communications Workshop.
- PhilOHUN participated in the online SEAOHUN Executive Board meetings.

ONE HEALTH EDUCATION PROJECT HIGHLIGHTS

- This year, PhilOHUN has become part of this Chevron-funded project, with support towards the expansion of One Health capacity building programs and sustainability of the Network itself.
- Under this project, PhilOHUN will be: 1) scaling up One Health modules to train in-service health professionals at PhilOHUN member universities; 2) developing a tool to measure the effectiveness of their One Health modules; 3) conducting two national competitions for students of PhilOHUN member universities to raise awareness of One Health; and 4) making their strategic plan to guide its initial growth stage.

FEATURE STORY

COLLABORATION RESULTS IN FIRST-EVER SHORT COURSE ON ONE HEALTH

The University of the Philippines Manila piloted a short course to equip health practitioners, academics, and government officials with knowledge on One Health. Held from May 4 to 6, “Introduction to One Health” online course aimed to increase understanding of its fundamentals and encourage multidisciplinary collaboration in research, education, and policy development. The course attracted more than 130 professionals from across the country, representing a wide range of disciplines such as medicine, allied health, veterinary medicine, agriculture, education, and social science. The course was developed by the UP College of Public Health, a SEAMEO TROPED Regional Centre for Public Health, Hospital Administration, Environmental and Occupational Health, in collaboration with PhilOHUN. The initiative was supported by a SEAOHUN Small Grant funded by the USAID-OHW-NG Project.

Link to article on the course: <https://www.seaohun.org/single-post/planting-the-seeds-of-collaboration-for-one-health>

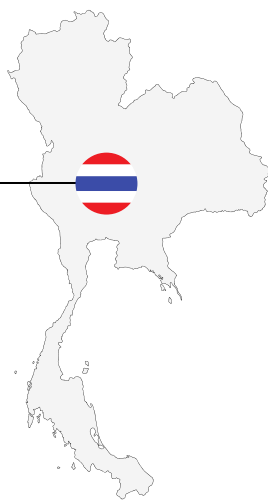
The most important step to advance One Health in the Philippines...



Word cloud showing reflections of training participants after the course. Image credit: UP College of Public Health - SEAMEO TROPED Philippines

THAILAND ONE HEALTH UNIVERSITY NETWORK

The Thailand One Health University Network (THOHUN) collaborates across sectors using the One Health approach, offering pre-service training for future and current members of the workforce to prevent and protect against emerging/re-emerging diseases in Thailand.






11 MEMBER UNIVERSITIES

- Burapha University (new)
- Chiang Mai University
- Chulabhorn Royal Academy
- Chulalongkorn University
- Kasetsart University
- Khon Kaen University
- Mahasarakham University
- Mahidol University
- Prince of Songkla University
- Thammasat University
- Walailak University

OHW-NG PROJECT HIGHLIGHTS FOR 2021

- This year, THOHUN used blended learning approaches to transform the advanced field-based learning and One Health course. The goal was to support One Health capacity-building activities despite restrictions because of COVID-19 and other disease outbreaks.
- A Training of Trainers (TOT) was held virtually from June 17 to 18 to develop facilitator's guides and training modules for Village Health Volunteers on COVID-19 infection, prevention and control. The TOT benefitted 29 participants and covered the principles and techniques on community engagement and advocacy to respond to newly emerging infectious diseases using participatory approaches.
- THOHUN held three "One Health in the Park" monthly talk shows from July to September 2021 featuring experts and influencers who discussed evidence-based knowledge and facts about different One Health issues. The events were broadcasted through live streaming on the THOHUN Facebook page and other online channels, and reached a total of 17,128 viewers.
- THOHUN established OHSCs at Faculty of Education, Kasetsart University and Faculty of Veterinary Medicine and Applied Zoology, Princess Chulabhorn College of Medical Science. These clubs are led by One Health Ambassadors who serve as leaders of student-centered activities, and trainers at One Health Camps.
- THOHUN supported the development of five detailed operational plans for scenarios involving a rabies outbreak and a rabies outbreak during the COVID-19 pandemic. The plans included multi-sectoral coordination among seven Thai ministries and the Thai Red Cross Society for outbreak management.

 www.thohun.org
 <https://www.facebook.com/NCOTHOHUN>
 contact.thohun@gmail.com

FEATURE STORY

COORDINATING PUBLIC HEALTH SURVEILLANCE AT PORTS OF ENTRY

Ports of entry for air, sea, or land travel could serve as entry points for infectious diseases, or they could be a protective wall against pathogens that could afflict people, animals and plants. However, disease surveillance and response at ports require collaboration by border control, immigration, customs, hospitals, and health officials. THOHUN tackled this complex challenge by conducting research into the infection prevention and control at the risk zones within Songkhla area and Thai-Malaysia border. Combining focus groups and interviews of the border's frontliners with analyses of environmental air and surface samples for presence of the COVID-19 virus, THOHUN researchers from Prince of Songkla University drafted COVID-19 surveillance protocols for laboratories, hospitals, and State quarantine facilities, and developed waste management and sanitization processes that can be integrated into occupational health and safety policies.



Collecting samples to surveil for COVID-19;
photo source: THOHUN

OHW-NG PROJECT HIGHLIGHTS FOR 2021 (CON.)

- In 2020, a prototype mobile testing facility was set up with RT-PCR testing at a laboratory, a mobile application for setting up testing appointments, and conveying testing results to the person and to the Thai Department of Disease Control for positive cases. Samples from 1,656 people were collected and tested from October 2020 to end-January 2021. The activity was extended from May 27 to September 30 to assess whether hospital discharge strategy was appropriate to ensure patients are no longer capable of infecting others. The activity yielded recommendations for field hospitals on COVID-19 case management and infection control.
- From June 2020 to February 2021, THOHUN led an effort for improving environmental surveillance for COVID-19 in Songkhla Province along the Thai Malaysia border. Researchers conducted focus groups and in-depth interviews on infection detection, prevention and control practices, and collected surface and air samples from high-traffic areas to develop the overall risk picture. Based on the analysis, policy guidance was made for improving COVID-19 infection prevention and control.
- THOHUN conducted capacity building in design thinking principles for 62 teaching and research staff of various faculties of THOHUN universities. This was an opportunity to overcome the limitations of linear thinking and apply its principles to solve COVID-19 problems. The initiative yielded ten innovative prototypes that are featured in the OHW-NG Project Year 2 Annual Report; download it here:

<https://bit.ly/OHWNGY2>

VIETNAM ONE HEALTH UNIVERSITY NETWORK

The Vietnam One Health University Network (VOHUN) leverages the training, education, and research capacities of the University Network to build the skills, knowledge and attitude base for OH leaders.



25 MEMBER UNIVERSITIES

- Bac Giang Agriculture and Forestry University
- Buon Ma Thuot University
- Can Tho University
- Can Tho University of Medicine & Pharmacy
- Dong A University (new)
- Hai Phong University of Medicine & Pharmacy
- Hanoi Medical University
- Hanoi University of Public Health
- Hue University of Agriculture & Forestry
- Hue University of Medicine & Pharmacy
- Nam Dinh University of Nursing
- Nghe An University of Economics
- Nong Lam University - Ho Chi Minh City
- Phenikaa University (new)
- Quy Nhon University
- Tay Nguyen University
- Thai Binh University of Medicine and Pharmacy
- Thai Nguyen University of Agriculture & Forestry
- Thai Nguyen University of Medicine & Pharmacy
- Tra Vinh University
- University of Medicine and Pharmacy at Ho Chi Minh City
- University of Medicine and Pharmacy - Vietnam National University, Hanoi (new)
- Vietnam National University of Agriculture
- Vinh Long University of Technology Education
- Vinh Medical University

OHW-NG PROJECT HIGHLIGHTS FOR 2021

- VOHUN celebrated its 10th anniversary with two semi-virtual events. The first event was “Policy Dialogue on Developing One Health Workforce in Vietnam,” on November 3. It attracted 136 virtual and in-person attendees joined the discussion, coming from national government, international organizations and member Universities. The second event was a student talk show, “One Health – career development opportunity,” with participation from 223 students, alumni, lecturers, and a private sector representative. The event is described in more detail as a success story in the OHW-NG Project Year 3 Semi-Annual Report; download it here: <https://bit.ly/OHWNGY3SAR>
- VOHUN conducted a three-day TOT for 30 lecturers on One Health core competencies from March 29 to 31 to increase their uptake by member faculties.
- VOHUN held a training course from April 26 to 28 on applying One Health Core Competencies towards developing a zoonotic disease prevention plan. The course benefitted 16 human health officers from five provincial Centers for Disease Control, and 15 animal health staff from five Sub-Departments of Livestock and Animal Health.
- This year, the National One Health Camp 2021 was held online from June to August, and focused on risk communication strategies to address avian influenza; 40 students were selected competitively for the opportunity to participate in the event.
- To strengthen the network's capacity for MEL, VOHUN organized a TOT in September for 111 lecturers from 23 VOHUN Universities.



www.vohun.org



<https://www.facebook.com/vnonehealth>



contact@vohun.org

FEATURE STORY

VIRTUAL CAMPING FOR ONE HEALTH

VOHUN organizes the popular One Health Camp annually as a highly immersive experience for students from One Health-related fields. This year, the camp was planned for August 20-22, but the COVID-19 pandemic forced everyone to refrain from non-essential travel. The NCO pivoted the event from holding it in person to delivering it virtually, while maintaining the intensity and engagement from the students. This link is to the videos made by students during the virtual camp: <https://bit.ly/3S69vfh>



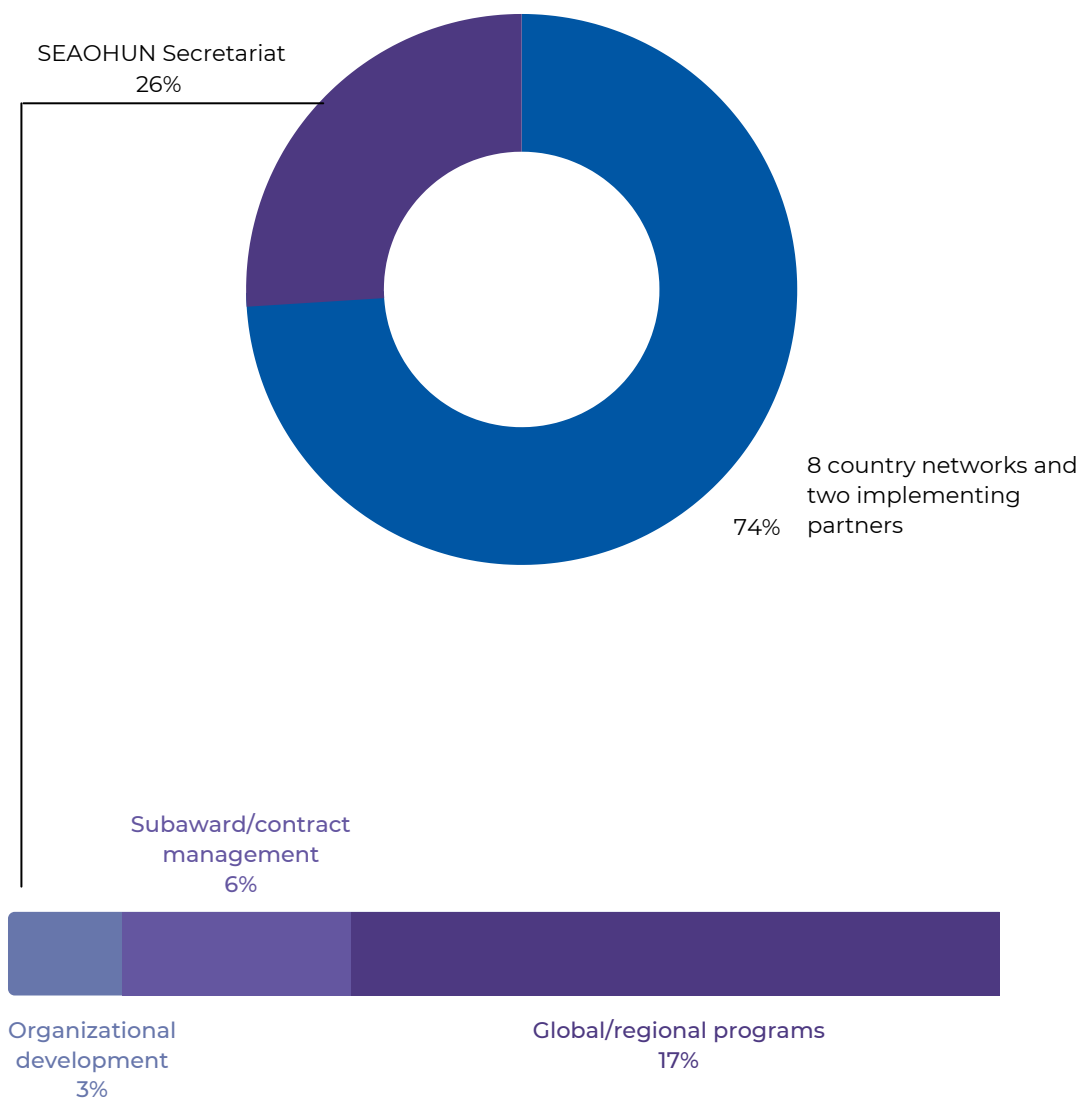
Announcement of VOHUN's One Health Camp 2021;
image source: VOHUN

OHW-NG PROJECT HIGHLIGHTS FOR 2021 (CON.)

- The VOHUN Annual Meeting was organized from September 23 & 24, with participation from member Universities and other NGO partners.
- VOHUN engaged 945 students from 17 OHSCs to organize club activities. These efforts in a range of activities from community outreach on livestock biosecurity for poultry farmers, protecting local drinking water sources, capacity building for club members through contests and seminars, to recruitment of new members.
- VOHUN partners with other organizations to maintain different One Health Sites (OHSs) where students may study the application of One Health approach in various contexts. This year's sites were in Thai Nguyen OHS on biosafety and the prevention and control of avian influenza in chickens; Hai Duong OHS on 'One Health in Practice' for health and veterinary staff; and Can Tho OHS on rabies and rabies prevention.
- VOHUN awarded One Health scholarships to seven Vietnamese students who were admitted to Hanoi Medical University's Master of Public Health – International Program. The network also provided financial support towards the program's accreditation.
- VOHUN NCO conducted an online survey of member Universities that identified the Knowledge Management practices that are currently being implemented. The results from 192 lecturers and staff found that they are aware of knowledge management, and saw challenges for it included a need for a knowledge database and a lack of motivation for knowledge sharing.

FINANCIAL SUMMARY

SEAOHUN Expenditures in 2021 \$2,489,379



SEAOHUN is a leading regional network of universities for **One Health** capacity building and research.

SEAOHUN NEWSLETTER

To subscribe SEAOHUN's updates on One Health workforce development: <https://www.seaohun.org/newsletter>

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