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ONE HEALTH WORKFORCE NEXT GENERATION: SOUTHEAST ASIA

YEAR 4 SEMI-ANNUAL REPORT
October 2022 – March 2023







ONE HEALTH WORKFORCE

NEXT GENERATION: SOUTHEAST ASIA

YEAR 4 SEMI-ANNUAL REPORT
October 2022 – March 2023

This publication was prepared by the Southeast Asia One Health University Network Secretariat, Chiangmai Province, Thailand.

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ACRONYMS

AMR	Antimicrobial Resistance
CAMBOHUN	Cambodia One Health University Network
COVID-19	Coronavirus Disease 2019
INDOHUN	Indonesia One Health University Network
LAOHUN	Lao One Health University Network
MMOHUN	Myanmar One Health University Network
MoECRT	Ministry of Education, Culture, Research, and Technology (Indonesia)
MyOHUN	Malaysia One Health University Network
NCO	National Coordinating Office
OHS	One Health Site
OHSC	One Health Student Club
OHW-NG	One Health Workforce - Next Generation
PAAW	Philippine Antimicrobial Awareness Week
PhilOHUN	Philippine One Health University Network
SEAOHUN	Southeast Asia One Health University Network
THOHUN	Thailand One Health University Network
USAID	United States Agency for International Development
VOHUN	Vietnam One Health University Network
WAAW	World Antimicrobial Awareness Week

INTRODUCTION

This year is a notable year for the Southeast Asia One Health University Network (SEAOHUN). The SEAOHUN Secretariat, in partnership with One Health University Networks in Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, the Philippines, Thailand, and Vietnam, is concurrently providing services and efforts to improve the competencies of the One Health workforce in Southeast Asia, both under the One Health Workforce - Next Generation (OHW-NG) and Transition Award projects. The latter was funded by USAID directly to SEAOHUN starting from Year 4 (October - September 2023).

Rigorous public health measures exercised by global partners have helped reduce the magnitude of the COVID-19 pandemic. However, many global and regional health problems remain on the table, emphasizing the importance of a One Health approach to world citizens and professionals. The USAID OHW-NG Global Consortium, led by the University of California, Davis, consistently advocates for and steers the milestone improvements for One Health initiatives in Southeast Asia since October 2019. SEAOHUN, in collaboration with the OHW-NG Consortium partners have been implementing its regional flagship programs and contributing to achieving the project's three objectives – workforce empowerment, workforce assessment and tracking, and organizational sustainability.

From October 2019, SEAOHUN and its eight country networks brought together 216 faculties in 102 universities in Southeast Asia, resulting in the outstanding achievement of over 30,000 participants trained in One Health topics, over 400 knowledge products developed, and the mobilization of 1,566 students in 37 One Health Student Clubs (OHSCs). In December 2022, SEAOHUN co-organized a regional workshop with the Global Consortium on organizational development to support the sustainability of the national One Health University Networks. As a result, some country networks rolled out their organization development activities to sustain their presence in the country. Additionally, SEAOHUN officially became an affiliate member of the Southeast Asian Ministers of Education Organization (SEAMEO), a regional intergovernmental organization that promotes regional cooperation in education, science and culture, in February 2023.

Thanks to our donors (USAID, Chevron) and our partners at both the regional and country levels, SEAOHUN has become the largest network of university-based experts in animal, human, and environmental health in Southeast Asia. We deliver education, training, and research to cultivate future One Health professionals to effectively prevent, detect and respond to infectious disease threats in the region and for the world.

Vipat Kuruchittham, PhD
Executive Director, SEAOHUN Secretariat





ONE HEALTH WORKFORCE

NEXT GENERATION PROJECT:

Progress for Year 4
October 2022 to March 2023

SEAOHUN

SOUTHEAST ASIA ONE HEALTH UNIVERSITY NETWORK

Network Overview



8 Countries



37

One Health
Student Clubs



102 Member Universities

216 Faculties



197

Individuals Trained in
One Health Topics



121 Activities Planned
for Year 4

16

Completed
Activities



15

New Partnerships
Developed



73

Informational
Resources and
Products Made

About us

- **Our mission:** to develop a resilient and competent One Health workforce by leveraging education, research, and training provided by member Universities in Southeast Asia.
- SEAOHUN Secretariat is the coordinating body for the eight country Networks: Cambodia, Indonesia, Laos PDR, Malaysia, Myanmar, the Philippines, Thailand and Viet Nam.
- SEAOHUN's four regional programs to build capacity in One Health are: 1) SEAOHUN Fellowships, 2) SEAOHUN Scholarships, 3) SEAOHUN One Health Research and Training Awards (OHRT) Program, and 4) Regional Student Engagement Activities.
- Established in 2011.
- Visit our website at www.seaohun.org.

Highlights

- Eight SEAOHUN One Health Research and Training Award projects were completed in Year 4
- Seven SEAOHUN Fellows completed their fellowship assignments initiated during project Year 3
- The Secretariat successfully delivered a Regional Student Competition with the theme of "Art to Communicate Anti-microbial Resistance", 18-24 November 2023
- SEAOHUN co-organized a regional organizational development workshop for national One Health University Networks, 14-16 December 2022
- SEAOHUN officially became an affiliate member of the Southeast Asian Ministers of Education Organization (SEAMEO) in February 2023
- Signed the project agreement with Chevron for Strengthening One Health Education in Southeast Asia Phase II

Activities

OBJECTIVE 1

SEAOHUN One Health Research and Training (OHRT) Awards Program

SEAOHUN's OHRT Program supports in-service health professionals and faculty from member universities to scale up in the research development and to transfer skills and knowledge in the One Health approaches. Throughout 2022, the Secretariat provided awards for twelve projects from six member countries focusing on anti-microbial resistance, emerging infectious diseases, food security, and participatory epidemiology. Eight projects were completed during the reporting period. This year, SEAOHUN under OHW-NG will offer awards funding projects focusing on a broad spectrum of One Health topics but will not fund projects related to AMR or COVID-19 as these topics fall under the scope of SEAOHUN Transition Award. The call for Year 4 OHRT awards application was opened on 31 March 2023.

SEAOHUN Fellowship Program

SEAOHUN Fellowship Program continues to strengthen the One Health workforce by encouraging early to mid-career professionals in the fields of human health, animal health, and environmental health via fellowship placements. Our fellows gain practical experience working on One Health issues at leading academic and research institutions, government agencies, international organizations, and international non-governmental organizations in Southeast Asia. In Year 4, SEAOHUN is promoting international fellowship placements, providing fellows with opportunities to interact with international or national experts, and broadening their perspectives in One Health. The following seven (7) SEAOHUN fellows from Year 3 have completed their fellowships during this reporting period.

- Mr. Phem Mengkah, fellow at the Food and Agricultural Organization of the United Nations, Cambodia

- Ms. Amelia Ramadhani Anshar, fellow at the School of Veterinary Medicine and Biomedical Sciences at Bogor Agriculture University (IPB University), Indonesia
- Ms. Dinda Nur Hidayah, fellow at the Primate Research Center at IPB University, Indonesia
- Ms. Vilaiphone Phomsisavth, fellow at the Lao-Oxford-Mahosot Hospital-Wellcome Trust Research Unit, Laos
- Ms. Fatin Sofia Binti Mohamad, fellow at Institute for Medical Research, Malaysia
- Ms. Thi Hoa Vu, fellow at the International Livestock Research Institute, Viet Nam
- Mr. Hung Nam Luong, fellow at the International Livestock Research Institute, Viet Nam

SEAOHUN Scholarships Program

SEAOHUN's scholarship program enables early-to mid-career health professionals to pursue a first master's degree in a One Health related discipline at member Universities. In addition, the program supports scholars in their advanced studies to broaden their perspectives of global and public health issues as well as to widen their professional networks as international students.

SEAOHUN continues to support ten scholarship awardees, including one from Cambodia, five from Indonesia, one from Malaysia, one from Myanmar, and two from Viet Nam for their studies in public health, epidemiology, medical science research, veterinary science, and primary health care management.

Regional Student Competition

On 18-24 November 2022, SEAOHUN hosted its 3rd Annual Regional Student Competition on the theme of "Art to Communicate Anti-microbial Resistance" in celebration of World Anti-microbial Awareness Week (WAAW). The competition aimed to raise awareness of AMR using creative communication, and 12 out of 47 teams won digital and non-digital art awards. The non-digital art winning team from Viet Nam, "TBUMP One Health Club," won the Public Pick Award through online public voting. The competition allowed students to upgrade their technical knowledge, creative skills and encouraged young professionals from multidisciplinary backgrounds to apply the One Health concept in their communities.



Thai Binh University of Medicine and Pharmacy (TBUMP)'s One Health Club in Viet Nam was awarded the Public Pick Award for non-digital art through online public voting, 24 November 2023. Image Credit TBUMP One Health Club



SEAOHUN organized a webinar session to share about Antimicrobial Resistance and Art Communication. Image Credit: SEAOHUN.

OBJECTIVE 2

SEAOHUN is participating in and supporting OHW-NG Global Team led activities including a virtual community of practice sessions for Competency Based Education (CBE) and the knowledge management (KM) sharing session.

With the aim of continuing the implementation of an alumni survey conducted in the second year of the OHW-NG project, SEAOHUN drafted the OHW beneficiaries' questionnaire under the Transition Award Project to better keep track of their progress and learn more about how they engage with member networks and SEAOHUN. The results of the survey will help inform the development of future training programs and activities.

OBJECTIVE 3

Co-facilitating Organizational Development Workshop

SEAOHUN in collaboration with the OHW-NG Objective 3 team, organized a successful organizational development workshop for nation OHUNs from 13-16 December 2023 in Malaysia. The workshop aimed to support network countries in developing a plan for organizational sustainability or activities beyond USAID OHW-NG. A total of 32 participants from the Secretariat, six country networks, the OHW-NG Global Team, and representatives from the Southeast Asia Regional Public Health Laboratory Network attended the workshop. During the workshop, participants learned methods for conducting a strategic analysis of emerging landscape trends that affected OHUN's sustainability. In addition, they refined each OHUN's unique value propositions within their respective country's contexts. Further, each OHUN developed an achievable funding strategy and resource mobilization plan to help guide their country network's organizational development and sustainability over the final two years of the OHW-NG project.

As a follow-up action after the workshop, the first quarterly Virtual Community of Practice session for Organizational Sustainability was conducted on 21 February 2023.

Expanding Partnership Development

In addition to being a member of the Global Health Security Agenda to promote the role of universities in strengthening health security, the SEAOHUN was honored to become an affiliate member of the Southeast Asian Ministers of Education Organization (SEAMEO), a regional intergovernmental organization among governments of Southeast Asia countries which promotes regional cooperation in education, science, and culture in the region, in February 2023.

The Secretariat has been working to promote One Health education for all with Chevron Corporation through its charitable contribution to the project of Strengthening One Health Education in Southeast Asia since January 2021. With high-quality outputs from the program implemented by SEAOHUN and its implementing partners, SEAOHUN received Phase II funding from Chevron, for the period of January 2023



Group discussion during the Organizational Development Workshop in Malaysia. Photo credit: SEAOHUN.

through December 2025, to implement Phase II of the project that will continue to enhance One Health outreach and public health literacy.

SEAOHUN will continue to engage with the Regional Development for Mission Asia (RDMA) organization to promote a shift to bilateral funding by demonstrating its regional values and organizational sustainability. SEAOHUN has also expanded the following ongoing partnerships in Year 4:

- SEAOHUN partnered with the Palladium Group to apply for the Foreign, Commonwealth & Development Office (FCDO) Global Development Delivery Framework for funding opportunities.
- Host institutions of SEAOHUN Fellowship Program include International Health Policy Program (IHPP) in Thailand, the Excellence Indonesia / Exeins Health Initiative (EHI) in Indonesia, National Animal Health Laboratory Centre (NAHL) in Lao PDR, and SEAMEO's Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) in the Philippines.

Advocacy for One Health Workforce Development

SEAOHUN represented our network Universities through active participation in and contributions to global, regional, and country level meetings and forums, including:

- SEAOHUN presented "Collaboration toward One Health Capacity Building in the Mekong Region" at Mekong Forum "Accelerating Post COVID-19 Recovery and Building Resilience in the Greater Mekong Subregion."

- SEAOHUN presented “Building Health Systems Resilience through One Health Workforce Development” at a parallel session entitled “Stopping future Pandemics through the strengthening of One Health Citizens” at the 20th International Congress for Tropical Medicine and Malaria.
- SEAOHUN presented a poster, “Building Health Systems Resilience through One Health Workforce Development,” and chaired a session on Multidrug Resistant Organisms (MDRO) “The Rightful Roles, Responsibilities and Interests of the Non-ID Physicians” at the World One Health Congress.
- SEAOHUN was a panelist discussing Inter-sectoral, Multi-sectoral Approaches: Challenges (Session 2.2) at PMAC 2023 on “Opportunities to include security sector agencies in a broader operational definition of One Health”.
- SEAOHUN joined the ADB Regional conference and consultation on lessons from COVID-19 communications and stakeholder engagement, the 12th ASEAN Plus Three Field Epidemiology Training Network (FETN) Steering Committee Meeting, and the ADB meeting to improve Cross Agency Responses to Biological Threats & Environmental Crimes Across the Borders of the Greater Mekong Subregion.

Lessons learned/ Good practices

Challenges in communications and spreading awareness through the country networks to achieve higher levels of student participation remains an important area of improvement for our regional student programs. To address this challenge, the Secretariat will strive for more innovative strategies to reach more students, such as promoting our regional programs via One Health Student Clubs. In-person events such as the SEAOHUN Student Summit can also expand One Health knowledge in practical ways and enhance networking among regional students. Since SEAOHUN is the largest network working on One Health capacity in Southeast Asia, we have leveraged every opportunity to raise SEAOHUN's visibility and expand our networks and partnerships in the region to advance One Health approaches.

Next steps

SEAOHUN will continue to support award recipients in the final academic year of their OHW-NG scholarship funding towards the completion of their master's degree studies. In addition, The Regional Student Competition will be continued under our Transition Award, a subset of the OHW-NG Project, to promote innovative and engaging ways for the students to communicate One Health issues to the public. SEAOHUN will also announce the OHRT Awards Program to offer awards for successful applicants to work on research development, pilot projects, training, and education related to OH, excluding AMR and COVID-19 topics.

SEAOHUN will continue to organize quarterly Virtual Community of Practice sessions for organizational development by working closely with the Global Team and member countries. In addition, we will continue to enhance the overall networks' institutional capacity, as well as promote further collaboration across borders by engaging in ongoing discussions with universities in India and Bangladesh to establish university Networks and strengthen the One Health workforce in South Asia. At the same time, we will foster engagement with new partners for additional funding portfolios to raise our visibility and support our sustainability.

Related links

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

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

One Health Research and Training Awards Program: <https://www.seaohun.org/one-health-awards>

Webinar Series: <https://www.seaohun.org/seaohun-webinars>

Student Engagement Program: <https://www.seaohun.org/student-engagement>

Success story

Promoting Gender Equity and Social Inclusion to the World of One Health

One of SEAOHUN's 2022 Fellows, Thi Hoa Vu, is a previous lecturer at the Thai Nguyen University of Agriculture and Forestry (TUAF) in Thai Nguyen, Vietnam. Ms. Vu's One Health journey began in 2016 while completing the Master of Environment postgraduate program at the University of Melbourne in Australia. She had high hopes and career expectations to enter the One Health field after completing her master's degree and was eager to pursue a PhD. Unfortunately, she was denied several PhD scholarship opportunities after taking a three-year gap due to maternity leave post-graduation. Ms. Vu applied to the 2022 SEAOHUN Fellowship program, explained her circumstances, and expressed a strong desire and commitment to advance the One Health agenda through teaching at TUAF. After much anticipation, she was selected and matched to work with the International Livestock Research Institute (ILRI), Vietnam, a world's leader in food and global health security.

Thi Hoa Vu has made valued contributions to the Consultative Group for International Agricultural Research (CGIAR) Initiative on Protecting Human Health through a One Health Approach, and the ICT4Health project funded by the Korean Ministry of Agriculture, Food and Rural Affairs to initiate projects' implementation. She participated and contributed to a wildlife farm field site visit with high-profile ILRI partners at the Vietnam One Health University Network (VOHUN), Thai Nguyen province Center for Disease Control (CDC), and TUAF. Additionally, she performed data analysis on field surveys regarding COVID-19's effect on animal consumption in Laos, Vietnam, and Cambodia.

Thi Hoa Vu describes her SEAOHUN Fellowship experience at ILRI as a "precious opportunity" through which she has been able to enhance her One Health knowledge base and research skills while at the same time expanding her professional network of peers and mentors comprised of leading researchers and One Health experts. Having gained practical One Health experience, Thi Hoa Vu was recently awarded a scholarship to pursue a PhD and began studies at Deakin University, Australia, in December 2022.



“The SEAOHUN fellowship at ILRI is a precious opportunity, which has not only enhanced my knowledge and research skills in One Health approach but also has connected me to the One Health network with leading scientists and experts all over the world.”

SOUTHEAST ASIA ONE HEALTH UNIVERSITY NETWORK MEMBERS

LAOHUN

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

MMOHUN

University of Medicine I
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
*Chiang Mai University**
Chulabhorn Royal Academy
Chulalongkorn University
Kasetsart University
Khon Kaen University
Maharakham University
*Mahidol University**
Mae Jo University
Mae Fa Luang University
Prince of Songkla University
Suranaree University of Technology
Thammasat University
Walailak University



VOHUN

Bac Giang Agriculture and Forestry University
Buon Ma Thuot University
Can Tho University
Can Tho University of Medicine & Pharmacy
Dong A University
Hai Phong University of Medicine & Pharmacy
*Hanoi Medical University**
Hanoi University of Natural Resources and Environment
*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
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
Viet-Duc University
*Vietnam National University of Agriculture**
Vinh Long University of Technology Education
Vinh Medical University

CAMBOHUN

Kampong Cham National Institute of Agriculture
Prek Leap National Institute of Agriculture
Royal University of Agriculture
Royal University of Phnom Penh
University of Health Sciences, Cambodia

PhilOHUN

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

MyOHUN

University of Cyberjaya
International Islamic University Malaysia
International Medical University Malaysia
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**
Universiti Sains Islam Malaysia
Universiti Sains Malaysia
Universiti Sultan Zainal Abidin
Universiti Teknologi MARA
Universiti Tunku Abdul Rahman

**Founding Universities*

CAMBOHUN

CAMBODIA ONE HEALTH UNIVERSITY NETWORK

Network Overview



5 Member Universities

4 Faculties



14 Activities Planned for Y4

1 Completed Activity

About us

- **Our mission:** to develop a sustainable network of One Health professionals with cross-sectoral expertise to understand and address public health threats.
- Established in June 2019.
- Visit our website at www.cambohun.org.

Highlights

- Leveraged One Health Student Club activities to increase knowledge and skills on One Health concepts.
- Developed cascade training on competency-based education for CAMBOHUN member universities.

Activities

OBJECTIVE 1

Promoting One Health at the University and Community Levels

CAMBOHUN supports One Health Student Club (OHSC) activities aimed at promoting student learning. Club activities help students make connections with each other and learn about potential future employment and internship opportunities in One Health. Through membership in One Health clubs students at network Universities have the ability to raise awareness about the One Health concept at their institution and generate interest to further community participation. Once a new OHSC is established club members can plan activities freely and choose topics to cover that best corresponds to issues that face the local community in that area.

Promoting Local One Health Research Opportunities

CAMBOHUN continues to support local research opportunities that offer students hands-on experience to address One Health issues. Most recently CAMBOHUN opened applications for its research program in April and the selection process for new candidates will be completed in May 2023. The application is open to students from all network Universities, students in the Cambodia Applied Veterinary Epidemiology Training (CAVET) and Applied Epidemiology Training (AET) programs, and government officials.

Enhancing Capacities of In-Service Professionals through a CBE Cascade Training

During Year 3 of funding implementation three faculty members from CAMBOHUN participated in a Training of Trainers (TOTs) session on the implementation of Competency-Based Education (CBE) in Bangkok, Thailand. As a follow-up to the training, CAMBOHUN will organize a two-day Cascade Training in Year 4.

To effectively organize and run this training CAMBOHUN will be supported by SEAOHUN, local experts and trainers. This training will take place from 22 to 23 August 2023 with the participation of staff from CAMBOHUN member Universities.

Building Human Resource Capacity and Advocating for One Health Solutions

In the reporting period CAMBOHUN members were able to learn and make connections by joining a training session and series of workshops on capacity building. The trainings were organized by SEAOHUN, the World Health Organization (WHO) and the Food and Agricultural Organization (FAO). The workshops and training provided opportunities for CAMBOHUN staff to learn and build up their abilities to identify and respond to One Health-related problems.

OBJECTIVE 2

CAMBOHUN is participating in activities to improve the training and assessment of the One Health workforce through virtual competencies-based education sessions.



Image credit: CAMBOHUN

OBJECTIVE 3

CAMBOHUN committed to advancing One Health and increasing awareness by collaborating with national stakeholders for advocacy and visibility.

Lessons learned/ Good practices

Leveraging Pre-Service Activities for the Future of the One Health Workforce

Promoting learning activities for pre-service professionals is essential to promoting One Health and the future of the One Health workforce. Therefore, CAMBOHUN provides a bevy of activities and learning opportunities for Cambodia's pre-service professionals. Based on lessons learned from Year 3, students thrive most when taking an active role in their learning, including by offering them opportunities to lead community activities themselves. To increase the ability for students to create and lead learning opportunities for their peers moving forward, CAMBOHUN hopes to promote the creation of One Health Student Clubs in all network Universities in Year 4 of the funding period. It is the hope that by expanding OHSCs to all member Universities, barriers to collaborate and plan student-run learning opportunities can be further reduced.

Expanding One Health Research and Training Awards

One small research scholarship was awarded in Year 3. The research involved promoting Participatory Epidemiology (PE) concepts and tools among many farmers, students, health volunteers, village animal health workers, and village and commune chiefs. PE tools were used to train and apply various stakeholders in the field, thereby increasing their ability to respond to health threats. Based on the success of this scholarship, CAMBOHUN reviewed funding to increase the number of research projects and expand the applicant pool for new research opportunities.

Next steps

CAMBOHUN, under the support of SEAOHUN, is planning to further develop the strategic sustainability plan for CAMBOHUN through a communication and recommendation period open to all the member Universities, partners, and funders. We will convene a board meeting and coordination meeting to strengthen planning and implementation in the coming year as well as to support the future sustainability of CAMBOHUN. We plan to increase the number of in-services and pre-services professionals who are serving in the field of One Health. CAMBOHUN aims not only to increase the raw number of workers, but also to build up their capacity of professional and capable One Health workers.

Supplemental funding: KOICA/ USAID OHW-NG PROJECT

Highlights

- A One Health curriculum assessment for five CAMBOHUN member Universities was conducted by SEAOHUN in collaboration with MyOHUN, 13-17 March 2023.
- Three out five CAMBOHUN's member Universities have incorporated One Health concepts and competencies in their curricula and teaching practices.
- The outcomes of this assessment will be applied to improve training programs for in-service professionals and to enhance the capacities of One Health professionals in Cambodia.

Success story

Expert Review of One Health Curriculum at CAMBOHUN Member Universities Shows Impact of One Health Concepts

The USAID One Health Workforce – Next Generation (OHW-NG) project aims to improve One Health capacity by aligning existing curricula, content, learning objectives, teaching methodology, and evaluation strategies with the required One Health competencies in Cambodia. To achieve this, SEAOHUN in collaboration with MyOHUN reviewed the curriculum of CAMBOHUN's member universities to identify the gaps in One Health competencies and improve the delivery model with funding from USAID and the Korea International Cooperation Agency (KOICA).

In March 2023, regional experts from MyOHUN and SEAOHUN visited all CAMBOHUN's five member Universities to review the curricula and teaching practices. The five universities were the Royal University of Agriculture or RUA (Faculty of Veterinary Medicine and Faculty of Animal Science); the Royal University of Phnom Penh or RUPP (Departments of Environmental Science, Community Development, and Natural Resource Management and Development); Prek Leap National Institute of Agriculture or NIA (Department Animal Production and Animal Health and Department of Veterinary Medicine); Kampong Cham National Institute of Agriculture or KNIA (Department of Animal Science and Veterinary Medicine), and University of Health Sciences or UHS (Faculty of Pharmacy, Faculty of Medicine, Public Health Unit, and Academic Affairs). Three out of five universities, i.e., RUA, NIA, and UHS, have already incorporated One Health into their curriculum. It is encouraging to see that even though some institutions have not yet incorporated One Health into their curriculum, students are still aware of the One Health concept from lecturers and peers who have participated in CAMBOHUN activities.

The impact of CAMBOHUN has been significant in spreading the One Health concept among lecturers and students at member universities. Moving forward, CAMBOHUN aims to continue supporting its members in strengthening One Health capacities through teaching methodology and evaluation strategies, ensuring the next generation are well-equipped to address complex health challenges.

“

As members of the faculties of science and development studies, One Health is extremely important to us. We decided to become a member of CAMBOHUN in 2022 because we thought it was crucial and pertinent, and that it would help the team of experts learn from our institution and talk about how to include the OH concept in our course curriculum. In the future, we look forward to assisting and participating in SEAOHUN and CAMBOHUN's activities.

”

Dr. Seak Sophat, Vice-Dean of the Faculty of Development Studies, RUPP

“

We would like to express our deep gratitude to the experts at SEAOHUN and CAMBOHUN. The project is very important to our department in developing curriculum that incorporates One Health concepts for the students. It is vital for students to build capacity in One Health and strengthen their knowledge so they can better assist the public.

”

Ms. Kith Sokngim, Head of the Department of Animal Sciences and Veterinary Medicine, KNIA



*MyOHUN and SEAOHUN collaborated to lead a curriculum assessment at the University of Health Sciences in Cambodia, 16 March 2023.
Image credit: CAMBOHUN*

One Health Champion, CAMBOHUN



Wann Chinda

CAMBOHUN Liason

Lecturer, Prek Leap National Institute of Agriculture,
Phnom Penh

Ms. WANN Chinda is a lecturer in the Department of Animal Science and Veterinary Medicine, Prek Leap National Institute of Agriculture (NIA), Phnom Penh. As an in-service professional, she has provided training on One Health related topics to enhance the future One Health workforce. In addition, she has participated in various One Health activities, including a One Health awareness workshop, a risk communication workshop, a problem-based learning workshop, and a participatory epidemiology training organized by Southeast Asia One Health University Network (SEAOHUN) and Cambodia One Health University Network (CAMBOHUN) in March 2022, in Cambodia.

She also contributed her knowledge to member students through training on how to apply participatory epidemiology tools on the ground in the Kep Province. As a liaison of CAMBOHUN, she actively supports collaboration and coordination between CAMBOHUN and different stakeholders, including Prek Leap National Institute of Agriculture (NIA), member universities' departments, and implementing partners. She earned her master's degree of Animal Science from Khon Kaen University, Thailand.

— “ —

We need to work across fields to ensure that One Health concepts continue to help prevent the kinds of problems that threaten the wellbeing of humans, animals, and the environment.

— ” —

INDOHUN

INDONESIA ONE HEALTH UNIVERSITY NETWORK

Network Overview



20 Member Universities

4 Faculties



14 Activities Planned for Y4



1 Completed Activity



6 One Health
Collaborating Centers

6 One Health
Student Clubs



32 Individuals Trained In
One Health Topic

About us

- We are a network of Indonesian higher education institutions promoting multi-disciplinary collaboration in human, animal and environmental health sectors in Indonesia.
- Established in January 2012.
- Visit our website at <https://indohun.org/>.

Highlights

- The Field Epidemiology Training Program (FETP) at Dipenogoro University was formally acknowledged and approved.
- Inauguration of the Global Health Agromaritime and One Health Collaboration Center at Bogor Agriculture University, 25 January 2023.
- INDOHUN participated in the regional SEAOHUN Organizational Development Workshop, 13-16 December 2022.

Activities

OBJECTIVE I

Indonesian Ministry of Health Formally Acknowledged the Field Epidemiology Training Program (FETP) at Dipenogoro University

On 20 March 2023 the FETP at Dipenogoro University received official recognition from the Indonesia Ministry of Health regarding INDOHUN's efforts in meeting goals established by the Training Programs in Epidemiology and Public Health Interventions Network (TEPHINET) and US Centers for Disease Control and Prevention. The Dipenogoro FETP also received official recognition by FETP Indonesia. The

Dipenogoro FETP was incorporated a One Health framework within its activities and effectively increased the number of epidemiology training programs in Indonesia.

One Health Young Leaders Enrolled in the MoECRT Internship Program

Through the One Health Young Leaders (OHYL) Internship Program supported by the Ministry of Education Culture Research and Technology (MoECRT) of Indonesia, 29 students from eighteen universities across Indonesia are currently pursuing their practical hands-on professional learning experience. Towards further development of their education, they are gaining experience and implementing collaborative One Health approaches to strengthen their respective One Health competencies.



Students participating in One Health Young Leaders Internship Program, 21 March 2023. Image Credit: INDOHUN

OBJECTIVE 2

INDOHUN is supporting the Global Team-led activities under this objective. For example, we shared our experiences to improve the training and assessment of the One Health workforce through virtual Competencies-Based Education sessions.

OBJECTIVE 3

Establishment of the Global Health Agromaritime and One Health Collaboration Center

A new One Health Collaborating Center (OHCC), also known as the Global Health Agromaritime and One Health Collaborating Center (GHA-OHCC), was launched by the Bogor Agriculture University (IPB University) via the School of Veterinary and Biomedical Medicine. On January 25, 2023, the inauguration was marked by the signing of a memorandum of understanding between IPB University and INDOHUN with the full support of the MoECRT of Indonesia and the United States Agency for International Development (USAID) at the IPB International Convention Center. Relevant stakeholders that attended the event include USAID Indonesia, MoECRT, and Indonesia Global Health Security Partners, the Food and Agriculture Organization (FAO), and officials from the Infectious Disease Detection and Surveillance (IDDS) programs, as well as the Transform and Biosecurity Engagement Program (BEP).

Participation in Organizational Sustainability Workshop

INDOHUN participated in a Sustainability Workshop hosted by the Global Team and the SEAHOHUN Secretariat. Through this event, the INDOHUN national coordinating office team learned how to support organizational sustainability via several relevant tools to map and shape future strategies. As a follow-up to this event, INDOHUN will conduct the Sustainability and Partnership Workshop for INDOHUN Stakeholders to Map INDOHUN's Business Plan in May 2023.

Lessons learned/ Good practices

As a result of consistent collaboration INDOHUN continues to receive support from the government of Indonesia, as well as external stakeholders such as Global Health Security and partners from other organizations, including those from the private sector. Indonesian governmental support, mainly from MoECRT, currently provides the critical support necessary to allow 29 students to gain hands-on skills and knowledge through the OHYL program. INDOHUN also received valuable inputs and feedback from GHS partners, such as CDC and FAO, for the FETP at Dipenogoro University, which ultimately contributed to the Ministry of Health's successful acknowledgment of the program. INDOHUN has learned that maintaining good relationships with partners, providing recognized value addition and networking with other external stakeholders contributes to new opportunities for collaboration. This year INDOHUN established collaboration with new external partners, such as Indonesia International Animal Rescue, and hopes to secure confirmation of several future collaborations that are currently in the planning and discussion phase.

Next steps

INDOHUN will continue to implement planned activities in Year 4, including trainings in collaboration with the Indonesian MoH, our OHCCs and One Health Student Clubs. INDOHUN will also continue to conduct stakeholder meetings to receive inputs and formulate the best strategies to achieve organizational sustainability through mobilizing resources and strengthened organizational development.

Related links

<https://kampusmerdeka.kemdikbud.go.id/news/13/program-magang-dan-studi-independen-bersertifikat-msib-kampus-merdeka-beri-pengalaman-di-dunia-profesi>

Success story

Localizing One Health– Expansion of Indonesia’s One Health Collaborating Centers

INDOHUN recently established a valuable collaboration with Bogor Agriculture University (IPB University), an internationally recognized and reputable higher education institution located in West Java. Together with IPB University, INDOHUN established the world’s first Global Health Agromaritime One Health Collaborating Center (GHA-OHCC IPB), which recognizes important interdependencies across the domains of animal, environmental, and human health. GHA-OHCC IPB will play a role in integrating holistic approaches regarding the use of and interaction with natural resources vis-a-vis One Health in tackling global health issues.

On 26 January 2023, GHA-OHCC IPB was established with the support of the Rector and Dean of School of Veterinary Medicine at IPC University. A breadth of One Health partners and stakeholders from across Indonesia attended the launch events, including the Secretary of the Directorate General of Higher Education from Indonesia’s Ministry of Education, Culture, Research, and Technology. Participants from stakeholder institutions provided positive feedback on the future of the GHA-OHCC IPB and look forward to the organization’s ability to mitigate the impacts of emerging communicable and non-communicable diseases, especially at the intersection of climate change, animal and human health ecosystems in Indonesia. The GHA-OHCC IPB will work to increase One Health awareness through multi-sectoral and interdisciplinary collaborations to ultimately address complex and dynamic One Health-related challenges in Indonesia.



"The signing of a memorandum of understanding between IPB and the Indonesia One Health University Network (INDOHUN) with the full support of the Indonesian Ministry of Education, Culture, Research and Technology and the United States Agency for International Development (USAID) on 26 January 2023 at IPB International Convention Center, Bogor, West Java." Image source: INDOHUN.

One Health Champion, INDOHUN



Alexandra Tatgyana Suatan

Communications and Networking Manager, INDOHUN
Teaching assistant at the Faculty of Public Health,
Universitas Indonesia

Ms. Alexandra Tatgyana Suatan is a Senior Communications and Partnership Practitioner specializing in One Health, health risks, and crisis communications at the Indonesia One Health University Network (INDOHUN). She provides invaluable support to the INDOHUN team, spearheading the organization's communications on both digital and analog platforms. She also assists collaborating partners on branding and marketing across a range of One Health activities and collaborates with international partners to achieve One Health goals. In addition, she has been a lead training facilitator for activities run by INDOHUN across a range of domains.

Notably, Ms. Suatan has provided valued leadership via coordination with the Government of Indonesia in establishing and launching two national health regulations, including one regarding the Indonesian government's disease outbreaks response capabilities (2019), and another regarding zoonosis and emerging infectious disease (2022). She also serves as a teaching assistant at the Health Promotion and Behavioral Sciences Department at Universitas Indonesia and has assisted two undergraduate classes focusing on the Health Advocacy and Health Communication Media Development. Ms. Suatan earned her master's degree in communications management from Universitas Indonesia.

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“In the One Health setting, human health is downstream of what has happened to animal and environmental health. And when it finally hits human health, other sectors are already affected. To protect the health triad and others, multi-sectoral collaborations, communications, coordination, and cooperation must be initiated to prevent, detect, and respond.”

— ” —



USAID
FROM THE AMERICAN PEOPLE

SEA OHUN
Southeast Asia One Health
University Network

LAOHUN
Lao One Health University Network

LAOHUN

LAO ONE HEALTH UNIVERSITY NETWORK

Network Overview



5 Member Universities

14 Faculties



6 Activities Planned for Y4

1 Completed Activity



1 One Health
Student Club

About us

- **Our Mission:** to develop the capacity of our members to promote One Health awareness, knowledge, and practice through expansion of universities, network strengthening, and advancement of the One Health workforce.
- Established in 2018.
- Visit our website at www.laohun.org and Facebook page at <https://shorturl.at/olOPU>

Highlights

- Conducted a Next Generation Orientation session for LAOHUN's One Health Student Club members, 11 March 2023.
- LAOHUN launched local One Health research and training session, 14 March 2023.

Activities

OBJECTIVE 1

Promoting One Health through One Health Student Club Activity

LAOHUN organized an orientation session on One Health topics to One Health Student Club members on 11 March 2023. This orientation aimed to encourage young students become One Health leaders in their area. During the activity the participants learned about One Health concepts and how to communicate with peers to better address One Health problems in the future.

Preparation to Support One Health Research and Training

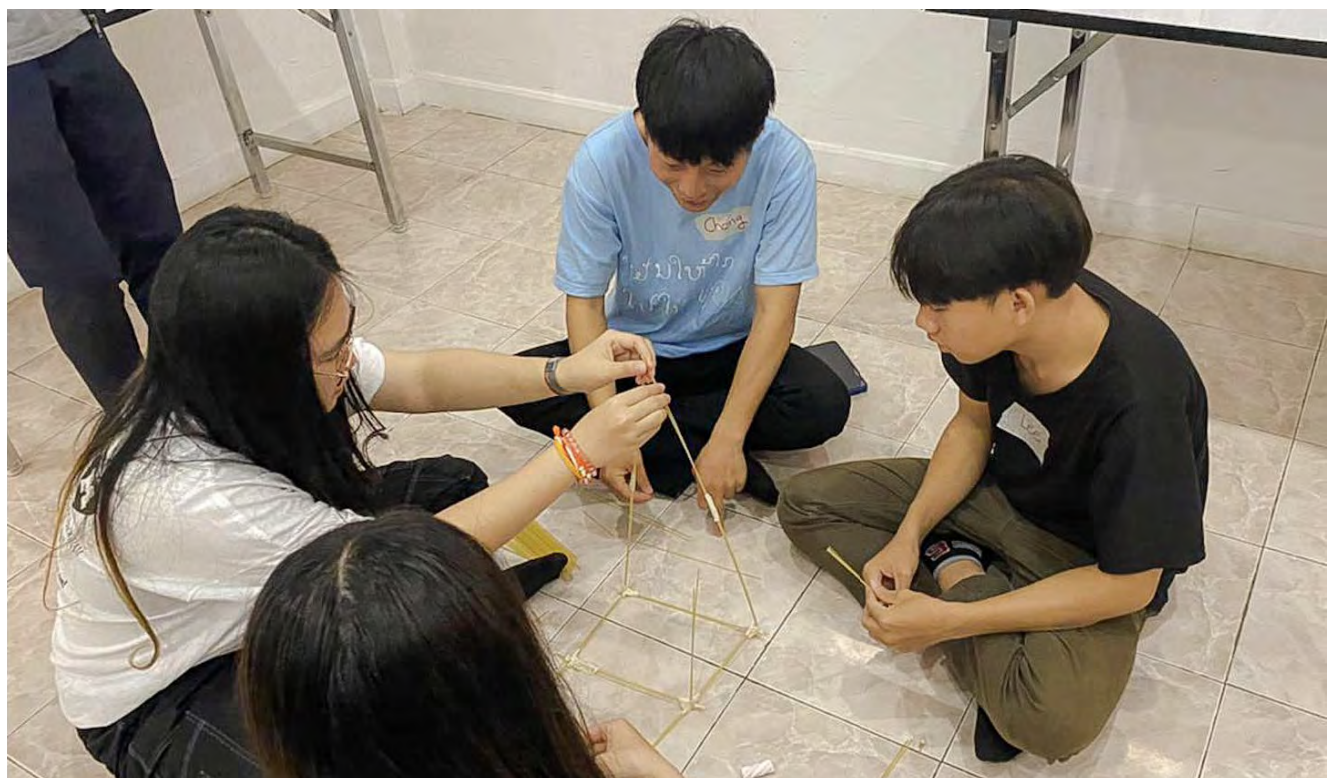
LAOHUN continues to support in-service professionals and faculty from member Universities to develop innovative projects at local settings through a One Health Research and Training Awards Program. The most recent application period was opened from 14 to 28 March 2023 across member Universities. The selection process will start in April. The selected applicants will be able to develop innovative ideas and implement research projects that advance One Health, including education, curriculum development, workforce assessment and strengthening One Health policy advocacy for their community.

OBJECTIVE 2

LAOHUN is participating in the Competency-Based Education sessions under this objective 2.

OBJECTIVE 3

LAOHUN remains committed to advancing One Health by partnering with national stakeholders for advocacy and organizational sustainability.



Students performed group work during the One Health orientation, 11 March 2023. Image Credit: LAOHUN.

Lessons learned/ Good practices

LAOHUN collaborated with member Universities to conduct One Health Student Club Activities to raise awareness and interest in One Health concepts among students across various disciplines. LAOHUN maintained collaboration and network relationships with the government ministries as well as national and international agencies for visibility and sustainability.

Next steps

Last year LAOHUN's Participatory Epidemiology (PE) Training was our most successful event of the year. Building upon that success, LAOHUN plans to enhance this training further by including more learner-based activities to encourage participants' willingness to learn and practice pandemic responses. The training is expected to be held at the end of April and will proceed until 31 June 2023.

In addition, an upcoming One Health student field trip will take place this summer in Vientiane to help promote the One Health approach among the younger generations and to support community-level health workers. This year we aim to help students better understand One Health issues, problems and risk factors as they impact local communities. There will also be an emphasis not only on looking at problems, but also on working towards finding solutions. The participants will be selected from network Universities and the trip will take place sometime between May and July 2023.

Finally, LAOHUN will continue to provide assistance on the selection process for the local Small Grants Program and One Health Student Club activities for pre-service professionals in upcoming quarters, as well as focus on running another successful participatory PE training with field practices and student observations.



Photo Credit: Unsplash.

Success story

Nurturing Youth to become One Health Leaders

Youth are good advocates for One Health issues. As such, SEAOHUN encourages each member country to establish One Health Student Clubs (OHSCs) in order to motivate young professionals to familiarize themselves with One Health approaches, especially through collaboration and the discussion of relevant health issues. Unfortunately, due to the COVID-19 pandemic, many students have had limited in-person interaction with peers in recent years. There was a strong need to provide students with an environment that helps them recognize their own potential and empowers them to envision their futures.

Towards this goal, and to nurture youth towards becoming future One Health leaders, LAOHUN held a Next Generation Orientation in conjunction with the OHSC at the University of Health Sciences (UHS), Laos PDR.

The orientation was held on 11 March 2023, organized by senior members and alumni of the club. Twenty-seven 27 students participated, including 21 new members, which demonstrates a growing interest in One Health.

The orientation aimed to encourage and stimulate students to interact, get to know one another, be open minded and empathetic, and help each other work together as a team. Activities included an introduction to LAOHUN and the OHSC at UHS, a team-building activity, and a reflection on the core values and expectations of the club. Through creating a space where students feel comfortable naturally expressing themselves, the student club hopes to be a place to help students expand their learning in One Health.

At the end of the event, club alumni shared their knowledge and experiences with the new club members. They encouraged current members to work hard to form bonds with their peers and collaborate to solve future problems. They also expressed their hope that the new generation of students can sustain the student club's activities throughout the coming years.

Upon hearing advice from senior members, student leaders expressed their enormous gratitude, saying that small seeds were planted through the orientation that have the ability to sprout into something bigger for new students as they move forward in their careers. The students were especially grateful for the opportunity to meet others that have found success in the One Health field, as well as the chance to hone their collaboration skills with their peers across multiple generations.



"One Health Leaders" was broadcast through LAOHUN's One Health Student club Facebook page. Image Credit: LAOHUN.

One Health Champion, LAOHUN



Mr. Somphanh Bouyavong

Deputy Head of Animal Science Department,
Souphanouvong University, Luang Prabang, Lao PDR.
Coordinator at Souphanouvong University, LAOHUN

Mr. Somphanh Bouyavong is the Deputy Head of the Animal Science Department at Souphanouvong University, Luang Prabang, Lao PDR. In 2008, he began teaching Animal Science and Veterinary Medicine with concentrations in animal health, farm management, veterinary pharmacology, biological risk management, and zoonotic diseases. In 2020, he was appointed as the LAOHUN Coordinator representing Souphanouvong University.

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Take care of your health, animal health and environment. It's only a place you have to live.

— ” —

In October 2022, he supported LAOHUN's student club at Souphanouvong University by serving as the club's faculty advisor. There, he promoted One Health activities and encouraged students to interact across disciplines to develop both technical and soft skills. He believes communication, collaboration, creativity, and critical thinking are integral One Health skills that should accompany technical expertise. As a trainer, he provided short-course training to farmers and village veterinarians on ruminant animal health management in the Phonxay and Viengkham districts of the Luang Prabang province in Lao PDR.

MyOHUN

MALAYSIA ONE HEALTH UNIVERSITY NETWORK

Network Overview



17 Member Universities

20 Faculties



20 Activities Planned for Y4

5 Ongoing Activities



8 One Health
Student Clubs

About us

- **Our mission:** To link and enable universities, government, and relevant agencies to generate social and intellectual capital on One Health against infectious and zoonotic disease.
- We serve as the longest serving national platform for building capacity of students, faculty, and professionals to work across disciplines and sectors for the improved response to One Health related threats.
- Established in 2012.
- Visit our website at <https://myohun.com/>.

Highlights

- MyOHUN's first Executive Board meeting was held in Putrajaya, 23 Nov 2022
- The Year 4 strategic planning meeting was conducted, 19-21 February 2023

Activities

OBJECTIVE I

MyOHUN conducted various student activities on One Health teaching and learning under this objective. To boost the One Health competencies of students, MyOHUN provided opportunities for the students

to apply scholarships related to One Health. During the reporting period applications across all member Universities were received and reviewed. Seven scholarships will be available while three applicants have been awarded and four are still under the selection process.

OBJECTIVE 2

MyOHUN has updated the database on the MyOHUN website and the social media to provide the regular updated information on One Health and to demonstrate the importance of digital values. MyOHUN is also supporting Global Team-led activities under this objective. For example, we shared knowledge on our expert database during knowledge management sessions.

OBJECTIVE 3

The strategic meeting hosted by the National Coordinating Office (NCO) from 19 to 21 February 2023 at the Holiday Inn in Melaka brought together MyOHUN partners to discuss several important topics related to the One Health Workforce-Next Generation (OHWN-NG) project. The meeting provided updates on OHWN-NG and its progress, discussions on monitoring, evaluation, and learning, the MyOHUN website and database, and group work and discussion on Year 4 activities and proposed Year 5 activities.

The MyOHUN website and expert database were also reviewed, with discussion centered on ways to enhance the platform's accessibility and functionality. In addition, participants discussed various strategies to ensure that the website and database are user-friendly and informative so healthcare professionals and students can easily access information and resources related to One Health.

One of the key topics discussed at the meeting was the Field Epidemiology Training Program, one of MyOHUN's main programs. It was agreed upon that the program will undergo alterations to better serve participants. In the coming year, the training program will consist of classroom-based learning and fieldwork that will require participants to pay a fee to attend in order to ensure the sustainability of future programs.

Lessons learned

Opportunities for Further Knowledge and Skills Improvement Through Technology

Investing in continuous learning and skill-building for professionals is critical to ensure that the workforce is equipped with the tools and knowledge needed to



Group discussion during MyOHUN Year 4 Strategic Planning meeting at the Hotel Inn in Melaka, Malaysia. Image credit: MyOHUN.

stay up to date with the latest developments in their fields. While MyOHUN has integrated technology into its training programs, there may be opportunities to leverage technology to increase access, improve efficiency, and enhance learning experiences further.

Breaking Through Digital Barriers

MyOHUN's updated website and social media presence demonstrate the importance of regularly updating and refreshing digital content. By prioritizing the appearance and functionality of these platforms, MyOHUN can better engage with its audience and effectively promote its mission. However, while having an updated website and social media presence is crucial for effective communication and outreach, it is important to recognize that not all members or partners may be proficient in, or have equal access to, these platforms. Some individuals, particularly those from marginalized communities or older generations, may not be familiar with navigating social media. Therefore, MyOHUN needs to consider alternative modes of communication and outreach to ensure that all members and partners are reached and engaged in its activities.

Next steps

Mobilizing Resources for a Stronger One Health Workforce

One important next step for MyOHUN is resource mobilization. This involves identifying and securing the necessary resources, including funding, partnerships, and other forms of support, to implement and sustain the organization's One Health initiatives effectively. Resource mobilization will enable MyOHUN to expand its programs and activities, reach more stakeholders, and achieve its goals of strengthening the One Health workforce to respond to emerging global health threats. This can be done by developing and implementing a comprehensive resource mobilization strategy, which involves identifying potential donors, creating partnerships with other organizations, and seeking out alternative funding sources.

Exploring Charging Models for Sustainable One Health Workforce Development

To sustain and expand our efforts, MyOHUN must explore charging fees for our activities. This will help to mobilize more resources and improve the quality of the training. For example, MyOHUN could explore various charging models such as fee-for-service, subscription-based, or sponsorship-based models to generate revenue for our activities. This step would ensure the long-term sustainability of MyOHUN's efforts to strengthen the One Health workforce and respond to emerging global health threats. However, MyOHUN is committed to keeping these fees as affordable as possible while maintaining the quality of training.



Practical learning experience by using a scanning machine to examine pregnant animals. Image Credit: MyOHUN

Success story

Improving the Quality of One Health Education in Malaysia through Understanding of Real-World Applications

Conventional classroom-based education has been utilized for decades. While time-tested, the approach can sometimes be limiting, especially by confining students to their classroom when they need experience in dealing with problems in diverse environments. During Problem-Based Learning sessions (PBL), for example, solely utilizing the classroom environment, which is often based on theoretical learning, ultimately limits their creative and practical abilities to solve complex One Health problems. To address this limitation, Professor Dr. Mohd. Hezmee Mohd Noor and Dr. Tengku Rinalfi Putra Tengku Azizan from the Faculty of Veterinary Medicine at the University of Putra Malaysia had the bold idea to take PBL out of the classroom and put it into the real world to better serve student's needs. As such, they developed the "In Situ One Health PBL" learning model. In Situ One Health PBL allows the students to engage more fully by bringing them to relevant locations with real world applicability to better understand the issues and challenges faced by One Health practitioners.

"As a student I feel learning should be a journey of self-discovery. Everyday classroom education can feel like a one-size-fits-all approach, which limits my ability to grow and thrive. So, I look for new and different ways to take control of my education."

Nurul Masyitah, Kuliyyah of Allied Health Sciences, IIUM

Though it is challenging to create new PBL pathways, it did not hamper the commitment of dedicated MyOHUN members who successfully designed and implemented the one-of-a-kind One Health PBL. Implemented in 2016, students from various backgrounds and institutions testified their appreciation for the benefits gained when utilizing the approach, including a broadened perspective when tackling One Health issues in the real world.

Acknowledging students and educator's enthusiasm for the In Situ One Health PBL, MyOHUN organized two workshops wherein they invited a group of twenty experienced facilitators and One Health experts from various fields to finalize a guidebook on the topic to help other organizations follow the hands-on approach. Following extensive input and revisions from experts in the field, the guidebook was finally published earlier this year.

With its clear and concise language, practical advice, and step-by-step instructions, the guidebook is a useful resource for educators and program directors to support their students' educational goals.

The guidebook includes examples of successful In Situ One Health PBL cases, adapted from various PBL classroom cases, to suit various program environments. These example cases encourage students to engage with their surroundings and develop real-world skills to better understand complex global One Health challenges.

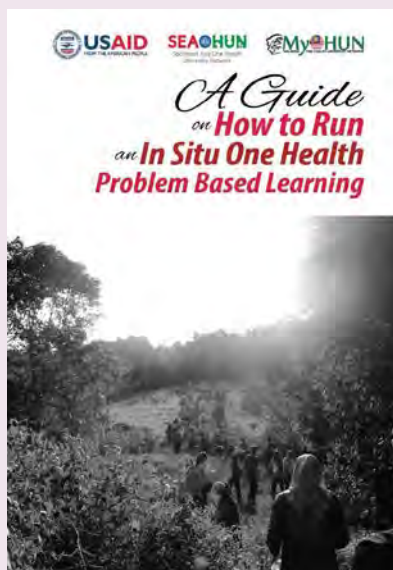
"With years of experience in education, this book is a clear example of transformative teaching that empowers learners to address real-world One Health challenges. It is a valuable resource for educators who seek to create meaningful learning experiences. Students can learn through interdisciplinary collaboration and develop a holistic understanding of human, animal, and environmental health, positively impacting the world."

Associate Prof. Dr. Hasliza Abu Hassim, Chief editor of a Guide on How to Run an In Situ One Health Problem-Based Learning Book

"During the PBL sessions, I've gained practical knowledge and a new perspective on the importance of collaboration in solving complex health problems. As a result, I am more capable of addressing real-world challenges, and I hope this book will be useful to my friends as I find it really beneficial."

Yap Cheng Hing, Veterinary Medicine student, UPM

The guidebook not only inspires educators to re-evaluate traditional classroom-based education and embrace more interactive, hands-on learning experiences, it also prepares the One Health workforce to respond to complex emerging health problems through interactive and practical learning experiences. This book is available online through the following link: <https://heyzine.com/flip-book/9ca16ed856.html>



A Guide on How to Run an In Situ One Health Problem-Based Learning. Image Credit: MyOHUN

One Health Champion, MyOHUN



Sandie Choong Siew Shean

Associate Professor at Universiti Malaysia Kelantan,
Department of Veterinary Clinical Studies, Faculty of
Veterinary Medicine, Universiti Malaysia Kelantan.

Dr. Sandie Choong Siew Shean is an Associate Professor and Deputy Dean for Academics at the Faculty of Veterinary Medicine at Universiti Malaysia Kelantan (UMK), specializing in zoo and wildlife animal medicine. She has been involved with the Malaysia One Health University Network (MyOHUN) since 2016, leading and participating in various programs. In addition, Dr. Sandie is the advisor for the UMK One Health Student Club, promoting the One Health concept among high school and university students, where she emphasizes the One Health approach to zoonotic diseases.

Dr. Sandie's research focuses on zoonotic pathogens in domestic animals and wildlife that may threaten human and environmental health. As a member of the Institutional Animal Care and Use Committee and the Biosafety and Biosecurity Committee, she ensures that animal use in teaching and research complies with regulations. Recently, Dr. Sandie received the MyOHUN Booster Grant in 2022 to raise awareness of zoonotic diseases and antimicrobial resistance among wildlife workers and farmers. She earned her Ph.D Veterinary Medicine at the University of Nottingham, United Kingdom.

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“Humans, animals, and the environment are closely interlinked by nature. With the modernization of human society, we started to forget the close link as many of us moved into concrete jungles. When catastrophe strikes, others are first to be blamed until we finally realize the fingers are pointing back at ourselves, that our every act affects other humans, animals, and the environment.”

— ” —



USAID
FROM THE AMERICAN PEOPLE

SEAOHUN
Southeast Asia One Health
University Network

PHILOHUN
Philippine One Health University Network

PhilOHUN

PHILIPPINE ONE HEALTH UNIVERSITY NETWORK

Network Overview



11 Member Universities

15 Faculties



17 Activities Planned for Y4

1 Completed Activity

About us

- **Our Mission:** To build a strong and sustainable One Health university network that collaborates across sectors to improve health for all
- PhilOHUN was established in December 2019.
- Visit our webpage at <https://www.philohun.org/>.

Highlights

- Documentation of past events and PhilOHUN-adapted training modules are now accessible through PhilOHUN's website.

Activities

OBJECTIVE 1

Capacity-building in One Health and Related Competencies

The PhilOHUN-adapted One Health training aims to educate university students, faculty members and municipal health workers on One Health and its related concepts using tools that have been adapted for the local setting. The training contents include grant proposal development, project management for One Health research, and competency-based education. During the reporting period, the trainers were identified to conduct the activity in April 2023.

OBJECTIVE 2

PhilOHUN is supporting Global Team-led activities and SEAOHUN under this objective. For example, PhilOHUN supported SEAOHUN by providing

feedback and input for the beneficiaries' survey which will be conducted in the coming quarters.

OBJECTIVE 3

Participation in Organizational Sustainability Workshop

PhilOHUN participated in a Organizational Sustainability Workshop hosted by the Global Team and the SEAOHUN Secretariat in December 2022, Malaysia . Through this event, PhilOHUN team learned from experiences of other member networks and how to support organizational sustainability via establishment of resource mobilization and organizational development plan.

PhilOHUN's Updated Website

The PhilOHUN website launched in the previous year to represent the network in online spaces and to be a source of information on One Health, PhilOHUN activities and accomplishments, and existing opportunities and resources on One Health within local and regional contexts. Continuous improvement on the website will continue to support PhilOHUN's needs during project implementation by ensuring online information on activities remains up-to-date and functional. Progress on the website as of this report includes the publication of several articles on previous PhilOHUN activities and the upload of PhilOHUN-adapted One Health modules for faculty members across the country.



Photo credit: Dr. Neil Tanquilut, Vice Chairperson and Coordinator of PhilOHUN

Lessons learned/ Good practices

During our first year under the OHW-NG project, activities were primarily led by the PhilOHUN Secretariat since the network was busy organizing and establishing itself in local communities. However, PhilOHUN has now appointed activity focal persons who will be in charge of individual grant activities, including training events. By delegating the responsibility of organizing and implementing activities to PhilOHUN members, the network is empowering its members and providing opportunities to be more efficient and sustainable in the long run.

Collaborations with local stakeholders have provided increased opportunities to educate the Philippine One Health workforce while also improving the capacities of those who will be conducting the trainings. We updated the website to continue information dissemination efforts and promote PhilOHUN activities.

Next steps

PhilOHUN will continue to explore partnerships and collaborations with local stakeholder groups such as government agencies, the private sector, and other organizations working towards promoting and implementing One Health. PhilOHUN will also strengthen its internal operations and further integration of network members to implement the activities.

Supplemental funding : Global Health Security (GHS) Philippines Project

ACTIVITY HIGHLIGHT: PHILOHUN GHS PROJECT KICK-OFF MEETING

With support from USAID, PhilOHUN, in collaboration with the OHW-NG Global Team and SEAOHUN, successfully organized a two-day Global Health Security Project kick-off meeting from March 28 to 29, 2023 at the Heritage Hotel in Manila, Philippines, formally launching our GHS Philippines project. The GHS Philippines project is focused on developing a resilient and robust One Health workforce by equipping in-service professionals, students, teaching faculty, and relevant stakeholders with necessary knowledge and skills to tackle complex and dynamic health issues.

The overall objective of the meeting was to identify key capacity development gaps across various time scales and to adjust the project accordingly. These were addressed by introducing the GHS Project, reviewing the 2018 International Health Regulation (IHR) Joint External Evaluation results, defining key results and critical activities needed to address knowledge gaps, surveying the IHR resource landscape for Human Resource development, and identifying opportunities for PhilOHUN and key stakeholders. 69 participants representing eleven PhilOHUN member Universities, the OHW-NG Global Team, USAID Philippines, the Philippines Inter-Agency Committee on Zoonoses, and the Department of Health Bureau, as well as representatives from key international agencies such as SEAOHUN and PhilOHUN actively participated in the kick-off meeting.



PhilOHUN GHS Project kick-off meeting at the Heritage Hotel, Manila, the Philippines, 28-29 March 2023. Image Credit: PhilOHUN.

Success story

Making Connections to Promote One Health

The Internet is an integrated part of our collective daily life. Having an online presence is important not only for businesses, but also for organizations. The Philippine One Health University Network (PhilOHUN) is no different. As a newer organization in the country, many people are still unaware of its existence and the work that PhilOHUN partakes in. For this reason, the creation of a PhilOHUN website was crucial to its continuing growth and success in promoting One Health.

With support from the USAID and SEAOHUN via the OHW-NG project in the Philippines, PhilOHUN successfully launched its website in early 2022. The website serves as the country network's face on the Internet. It is a useful resource to advertise activities and provide updates. Among those that were actively promoted on the website were the KAISA: One Health Awareness Campaign event and our website series on the One Health Approach in Health Sciences Education, which were both successful programs attended by people from various sectors, teachers and students. The website is a useful platform to inspire and encourage others to join us in our advocacy for One Health by sharing available resources and opportunities in both local and regional settings, including PhilOHUN-adapted One Health modules, interviews regarding local One Health-related issues, and relevant webinars and short courses offered by member Universities. Through the website, member Universities were able to readily access information shared on the site, helping facilitate information sharing and dissemination.

In the past six months alone, there was a significant increase in the number of website views, which accounted for over 30 percent of our total viewership. Views were generated by popular posts, such as available opportunities to work with PhilOHUN, accomplishments of our PhilOHUN members, and chances to work in One Health at the regional level. This is further boosted by posts on our Facebook page, which is linked to our website.

As we continue to grow and expand our reach, we acknowledge the key role of social media promotion, especially through collaboration with faculty members and partners. We are committed to further engaging with wider audiences by creating more interactive content about One Health issues and promoting our website and posts through increased collaboration. Through our website, we believe that our efforts will contribute to the advancement of One Health with the support of USAID and SEAOHUN via the OHW-NG project for the Philippines and beyond. As we grow as a country network, we will strive to continue improving our One Health promotion and advocacy by providing quality information that clearly communicates to our viewers through our website.

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Philohun.org is our way of introducing our network to the world. Today, we know what the power of the Internet can do. Our website aims to reach as many people as we can to introduce and promote One Health regardless of distance and disability. PhilOHUN strives to be the forefront and champion of One Health through all means possible. And our website serves as a springboard to achieve this dream.
”

Dr. Renard Jamora, Head of PhilOHUN Promotions Committee

We are



Philippine One Health University Network

[Read More](#)



PhilOHUN website.

One Health Champion, PhilOHUN



Nieta C. Amit

Dean, College of Veterinary Medicine,
University of Eastern Philippines

Dr. Nieta C. Amit is a veterinarian and Associate Professor at the College of Veterinary Medicine, University of Eastern Philippines (UEP). She is among the founding members of the Philippine One Health University Network (PhilOHUN) since its inception in 2019.

Dr. Amit actively participates in community service efforts for both humans and animals. Through the annual “Feeding the Pet Owners, Vaccinating their Pets” campaign, she and her fellow volunteers provide children with a nutritious meal and educate them on rabies, animal welfare, and garbage segregation and recycling while pets are vaccinated, dewormed, and given vitamin supplementation. She has also supported relief operations in typhoon-ravaged areas of the Eastern Samar province. Her participation in community service has earned her certificates of recognition from the Philippine Veterinary Medical Association and from the Knights of Columbus.

Dr. Amit has recently been appointed as Dean of the College of Veterinary Medicine of the University of Eastern Philippines and presently serves on PhilOHUN’s Membership Committee. She earned her PhD in Animal Science, with a focus on Animal Physiology and cognate in Veterinary Medicine at the University of the Philippines Los Baños.

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“Taking care of the animals is a veterinarian’s responsibility; taking care of the environment and of humans is a veterinarian’s obligation.”

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THOHUN

THAILAND ONE HEALTH UNIVERSITY NETWORK

Network Overview



14 Member Universities

84 Faculties



15 Activities Planned for Y4

7 Completed Activities



3 One Health
Student Clubs



18 Informational Resources
and Products Made

About us

- **Our Mission:** To support trans-disciplinary collaboration among universities and partner agencies to develop skilled One Health professionals and to conduct research employing the One Health approach to promote healthy populations of humans, animals and our shared environments.
- Established in August 2012.
- Visit our website at <https://thohun.org/>.

Highlights

- Developed and piloted four training modules on Advocacy & Response to Emerging Disease Outbreaks for 66 Village Health Volunteers (VHVs), 9-10 March 2023.
- Developed a Web-Based Toolkit for Planning, Design and Assessment of Competency-Based Education and conducted a needs assessment to strengthen One Health education and trainings plan, 20 October 2022.
- Established a Sustainability Taskforce and Organizational Development company, which was approved by the THOHUN Steering Committee, to develop sustainability plans, 27-28 February 2023

- Developed an organizational model for networking, funding opportunities, and resource mobilization.
- Conducted two virtual learning sessions, one entitled, “One Health in the Park: One Health Efforts in Tackling Flooding in Thailand” and the other, which is entitled “Itaewon Tragedy: Crowd Crush Case Study”. These sessions are available for viewing on the THOHUN Facebook page.
- Provided training and teaching materials for the International Short Course on Ecosystem Health (THOHUN-ELI).

Activities

OBJECTIVE 1

Empowering Village Health Volunteers to Advocate and Respond to Emerging Disease Outbreaks

Advocacy and risk communication continues to be an important job for Village Health Volunteers (VHVs), who serve as the backbone of the local One Health system in Thailand. THOHUN assists the government in designing blended training modules on Advocacy & Response to Emerging Disease Outbreaks that are appropriate for expert-level VHVs. The training consists of e-learning on basic information technology and knowledge of field-based surveillance for public health risks and outbreak potential by using simple tools such as questionnaires, surveys and community maps. In the funding period, 66 VHVs were trained in the surveillance of potential public health risks and on how to create high-impact plans to reduce disease risks in local communities through collaborative actions with relevant stakeholders.

OBJECTIVE 2

Fostering of Competency-Based Education/Training using web-based toolkit for planning, design and assessment

Competency-based education (CBE) is an educational approach focused on learning outcomes, knowledge,

attitude, characteristics and skills. To promote strong learner outcomes, educational programs and institutes need to carefully design teaching activities, assessment and support systems. Towards putting these ideas into practice, a two-day THOHUN workshop took place from Feb 27 to 28, 2023 to gather to assess the readiness of resources and capacities of partner educational networks to implement CBE approaches in Thailand. In the sessions, competencies and potential challenges were identified for four workforce targets, including undergraduate and graduate students, VHVs and non-healthcare workers. These inputs will subsequently be incorporated into the design of web-based educational toolkits through collaboration with experts from the Faculty of Engineering at Mahidol University.

OBJECTIVE 3

THOHUN’s Journey toward Sustainability

The THOHUN Sustainability Taskforce was established to assist THOHUN in developing strategic initiatives to achieve organizational sustainability. Through an initial assessment, it was found that THOHUN strengths include One Health educating and training, platform development, research, and the delivering of services. A two-day workshop was subsequently held and THOHUN sustainability plans were successfully



Associate Professor Dr. Pratap Singhasivanon (THOHUN Consultant) discussed about business plan and road map towards THOHUN sustainability (2022-2026) at Siam Design Hotel in Bangkok, 9-10 January 2023. Image credit: THOHUN.

developed with assistance from organizational development experts. According to the results of the workshop, the most important deliverables include action plans for THOHUN to seek and execute for “kick-off” activities to promote resource mobilization, better fund-raising strategies, and the development of more effective communication to increase visibility among potential partners and funders. Towards THOHUN's future strength and sustainability, new activities will be started by the third quarter of 2023 to move forward on these goals.

Lessons learned/ Good practices

Although THOHUN-NCO has experience with program implementation in local communities, the training of Village Health Volunteers in Ranong was the first time we developed tailor-made modules to train VHV's on advocacy and responses to emerging disease outbreaks that keep in mind the specific circumstances of local communities. Although the training was a success, time management issues arose in a few of the sessions, and we also found that some participants needed more time to familiarize themselves with the digital training materials. In the future, the facilitator team hopes to allow for more flexible study methods to be implemented to promote a more smooth and timely learning session for all participants.

The Internet has allowed the network participants to share information and discuss activities in real-time. However, virtual collaboration may not always be the most effective way to promote interactive communication, especially in the context of real-world response conditions, such as a local rabies outbreak. THOHUN continues to review the most feasible platforms to implement training activities for such circumstances.

Next steps

THOHUN is planning to implement its sustainability plan by leveraging its strengths. To further organizational sustainability, THOHUN will promote its successful history of receiving multiple rounds of USAID funding, as well as funding support from high-profile private sector companies, to attract new donors. Furthermore, the breadth and depth of multi-disciplinary technical expertise of THOHUN members will be documented in the THOHUN database. THOHUN also hopes to create an extensive library of One Health-related curricula and training materials to promote One Health development and capacity building in Thailand. These activities are expected to be executed by the end of Year 4 of the OHW-NG project.



THOHUN conducted a two-day sustainability business plan development workshop at Siam Design Hotel in Bangkok, 9-10 January 2023. Photo credit: THOHUN.

Success story

Empowering Village Health Volunteers as Public Health Leaders to Advocate for and Respond to Emerging Disease Outbreaks

Village Health Volunteers (VHVs) have been recognized as the backbone of the health system and play crucial roles in disease surveillance, prevention and control in Thailand. The World Health Organization appraised that VHVs are important contributors in the successful effort of Thailand to slow the transmission of COVID-19. Yet despite their significant contributions, there are approximately 1.4 million VHVs who need additional training in public health skills, particularly in advocacy and effective communication with local communities.

Through the support of the OHW-NG project, THOHUN brought together multidisciplinary experts from member faculties and the Ministry of Public Health of Thailand to design and develop training curriculum to prepare VHVs for effective response to newly emerging disease outbreaks. In 2022, the training curriculum **“Advocacy & Response to Emerging Disease Outbreaks by VHVs”** was successfully developed. The main contents include Health Literacy and Digital Literacy, Community Health Problem Analysis and Solution Development, Risk Communication and Health Leadership. The curriculum covers e-learning of fundamental knowledge, tools and guidelines for community problem assessment and planning for solutions, community advocacy, risk communication and response to emerging disease outbreaks at community level, community-based practicing on questionnaire survey and investigation for an abnormal public health event or problem, and a self-study VHVs Manual.

In 2023, these e-learning materials and the VHV manual were distributed to Provincial Public Health Offices of Ranong, Surat Thani and Chumphon to promote VHVs education. On 9 March 2023, THOHUN conducted the first batch of onsite training in Ranong Province with a total of 66 expert-level VHVs and Migrant Health Volunteers, including forty-six from Ranong, eight from Surat Thani, and

twelve from Chumphon Provinces. At the end of the training, the VHVs demonstrated the ability to identify community health problems, develop plans for community targeted solutions, and apply health and Information Technology literacy learned from the training for community advocacy.

“This training workshop could build up roles for VHVs. It is our opportunity to show our duties of taking care of people in the community. This way we create love and support among people and the communities we live, and create a very good self-conscious awareness. Thank you very much for these good activities. All the speakers and team members were very friendly.” – Voice of trained VHV

After the workshop, THOHUN provided the VHVs in Ranong, Surat Thani and Chumphon with tools and materials used for community problem assessment, activity prioritization and stakeholders’ matrices, and implementation planning templates for community application. The training participants provided their feedback and shared their experiences regarding the knowledge and tools they learned from the workshop via an online communication platform. The positive outcome of the workshop will be a steppingstone for THOHUN to continue empowering VHVs across Thailand in advocacy and promoting effective responses to emerging disease outbreaks.



Village Health Volunteers practised on community-based survey to promote effective responses to emerging disease outbreaks, 9-10 March 2023. Image credit: THOHUN

One Health Champion, THOHUN



Chatthasuda Suntisuk(Chatt)

One Health Ambassador, THOHUN-ELI alumni
Facilitator Assistant, Faculty of Engineering,
Mahidol University

Chatthasuda Suntisuk(Chatt) is a medical technologist interested in studying the relationship between humans, animals and the environment. In her 4th year of her Bachelor's degree, she had the opportunity to attend the "Training of One Health Ambassadors for Rabies Control" organized by THOHUN. She subsequently participated in the International Short Course on Ecosystem Health (THOHUN-ELI) in 2019, where she was involved in the capstone project on water-borne diseases with villagers in Sri Sawat district, Kanchanaburi, Thailand.

During this activity, she was responsible for examining stool for parasites and bacteria as well as assessing water quality from water samples collected in the study village. When laboratory results showed that the water samples contained coliform bacteria, she worked together with multidisciplinary participants to propose solutions to improve local water quality for the villagers.

In 2020, she was selected as a One Health Ambassador and THOHUN-ELI alumni and in 2022, she was selected as a Facilitator Assistant in THOHUN-ELI to advise and assist the participants in completing their training and capstone projects. Chatt is currently studying to achieve her Master of Engineering (Biomedical Engineering), at Mahidol University, Thailand with a commitment to furthering One Health approaches in Thailand.

“I am interested in tools and innovative solution of re-emerging and newly emerging diseases and understanding human, animal and environmental interactions to reduce emerging diseases. One health provides me the insights and knowledge on the bonding between human, animal and environmental health. The One Health Core Competencies empower me “To Proud To Be Myself” as One Health worker and who will make the world better.”

VOHUN

VIETNAM ONE HEALTH UNIVERSITY NETWORK

Network Overview



27 Member Universities

33 Faculties



17 Activities Planned for Y4



3 Completed Activities



19 One Health
Student Clubs



2 Informational Resources
and Products Made

About us

- **Our mission:** to leverage the training, education, and research capacities of the university Network to build the skills, knowledge, and attitude base for OH leaders.
- Established in November 2011.
- Visit our website at www.vohun.org

Highlights

- Conducted a One Health training course on joint risk assessment for human health and animal health professionals, 16-17 March 2023.
- Conducted a field-based training course for 40 undergraduate students from Vinh Medical University and the Nghe An University of Economics, 17-18 March 2023.
- Provided a training for in-service health professionals to apply One Health Core Competencies, 30-31 March 2023.
- VOHUN officially launched the 19th One Health Student Club at Dong A University, 7 January 2023.

- Provided scholarships for four Vietnamese students enrolled in the International Master of Public Health program with a One Health focus track at the Hanoi Medical University.
- Developed two training videos on gender assessment for the One Health Workforce Academy platform. Videos can be accessed via these link: <https://tinyurl.com/yeysuwk7>, <https://tinyurl.com/4e8e4srj>

Activities

OBJECTIVE I

During the reporting period, VOHUN organized seven One Health Student Clubs (OHSC) activities with the participation of 489 students from eleven member Universities. The activities included:

- On 4 December 2022, VOHUN in collaboration with the Hue University of Medicine and Pharmacy organized an activity on Rabies Prevention and Control. The activity provided opportunities for students to apply communication skills in managing health issues and exchanging knowledge.
- On 18 December 2022, VOHUN organized a contest for effective communication to fight against antibiotic resistance, participated by sixty students from five OHSCs at the Thai Binh University of Medicine and Pharmacy. The activity aimed to educate students about the negative impacts of antimicrobial resistance and to disseminate knowledge on how to prevent and control health problems.
- On 7 January 2023, VOHUN officially launched the 19th One Health Student Club at Dong A University. A competition for the best poster presentation on the prevention of infectious diseases and environmental conservation took place during the inauguration ceremony, where 31 students participated in the competition.
- Vinh Medical University (VMU) conducted the “Who is an Effective Communicator?” contest with the theme of zoonotic disease awareness on 20 February 2023. 90 students participated in the contest by presenting their arguments using presentations, brochures, videos, pictures, and other materials.
- On 25 February 2023, VOHUN in collaboration with OHSC at Tra Vinh University organized an activity for Vietnamese Doctors’ Day. A total of 26 participants, including 24 undergraduate students and two faculty members, were actively involved in the activity. Participants learned about the history of Vietnamese Doctors as well as One Health concepts.



In-service professionals learned how to identify health problems through field trip activity organized by VOHUN, 30-31 March 2023. Image credit: VOHUN

- On 27 February 2023, the OHSC at Tay Nguyen University organized a meeting to recruit new members and celebrate the 68-year anniversary of Vietnamese Doctors' Day. Forty-nine students participated in the activity and had opportunity to learn about OHSC activities and core competencies.
- On 4 March 2023, OHSCs from Hanoi Medical University and Vinh Long University hosted a seminar on the "Prevention of Parasitic Infectious Diseases from Pigs in Vietnam," with speakers from two universities and 150 local students.

OBJECTIVE 2

VOHUN's National Coordination Office drafted an agenda for a Training of Trainers (ToT) course on competency-based education (CBE) for faculty, staff and ministry officials. The training course is anticipated to be delivered in June 2023. The VOHUN NCO has already identified and invited three team trainers for this course. They are individuals who attended a training session on competency-based education (CBE) and evaluation strategies in May 2022 in Bangkok, Thailand.

OBJECTIVE 3

- On 18 November 2022 VOHUN launched an online survey and distributed it to 1,460 respondents to assess the satisfaction of being VOHUN members and to get the opinions from network partners. A total of 201 respondents answered the survey. Results showed a 91.5 percent satisfaction rating for VOHUN meetings. They also expressed positive feedback on VOHUN's capability of managing conflicts of interest.
- Two VOHUN NCO members and three lecturers from three member universities joined an organizational sustainability workshop from 12 to 17 December 2022 in Malaysia. In this workshop participants improved their knowledge on organizational sustainability and VOHUN also shared ideas on resource mobilization strategies relevant to One Health.

Lessons learned/ Good practices

While waiting for Ministry of Health (MOH) work plan approvals, VOHUN took the opportunity to start projects and planned activities that were ready for operation, allowing for smooth and efficient project implementation. For example, we conducted VOHUN's Sustainability Assessment ahead of schedule, allowing for ample time to complete and interpret the results of the assessment after a lengthy official approval process.

Next steps

VOHUN will continue to support students to enhance their One Health competencies by offering them a variety of engagement opportunities, such as experiential field-based learning at One Health sites, One Health community outreach activities, hosting seminars, competitions, and university training events. VOHUN will keep supporting member Universities in establishing OH sites and organizing OH field-based training programs for students.

VOHUN will continue to collaborate with different partners, including the global consortium, governmental and non-governmental organizations, as well the private sector and the local communities, to support activities in One Health. VOHUN will also continue to develop sustainable plans for organizational sustainability in the upcoming Y5 planning meeting in collaboration with key stakeholders.

VOHUN prepared to organize a training course on resource mobilization and development of resources in June. The communication materials for resource mobilization have already been prepared and reviewed. Moving forward we will develop a resource mobilization plan that will be distributed during the training.

Success story

Communicating Antimicrobial Resistance through a One Health Student Club competition

Rapidly emerging antibiotic resistance is increasingly recognized as a global health threat, which can lead to life threatening medical conditions and human fatalities. To promote awareness of and effective communication on antibiotic resistance, the Vietnam One Health University Network (VOHUN) held a One Health Student Club (OHSC) competition at the Thai Binh University of Medicine and Pharmacy in December 2022. VOHUN organized the contest in cooperation with five Vietnamese OHSCs, including Thai Binh University of Medicine and Pharmacy (TBUMP), Hai Phong University of Medicine and Pharmacy (HPUMP), Hanoi Medical University (HMU), Hanoi University of Public Health (HUPH), and Thai Nguyen University of Agriculture and Forestry (TUAF). The primary goals of the activity were to enhance knowledge on AMR and promote the significance of the One Health approach in the prevention and control of AMR by leveraging One Health competencies in health promotion.

To begin the competition, the OHSC management board preliminarily selected the top twelve candidates from each club to participate. Faculty mentors delivered an online training course to share current knowledge on AMR and highlight collaborative

One Health approaches, including interdisciplinary collaboration, risk communication and community engagement methodologies critical to addressing this complex and dynamic global health challenge. During the contest, sixty students from five OHSCs were divided into four interdisciplinary teams, with each team competing in three rounds of introduction, knowledge sharing, and communication for AMR awareness. Each team applied AMR knowledge to answer the judges' questions quickly and effectively. Students from each team also performed theatrical skits to demonstrate how to communicate effectively on AMR.

In the last round of the contest each team was provided a statement on AMR to develop presentations and skits which were scored by faculty mentors and their peers. Students from each team demonstrated how to communicate effectively on AMR and the best team was chosen at the end of the competition. Students actively participated in the contest and gained confidence and professional knowledge on how to solve AMR problems using a One Health approach.

"I had a lot of fun with this contest because it provided me a chance to exchange my existing knowledge with other team members. Also, I learned a lot about AMR from the contest, including the importance of teamwork" - one of the students.

"This kind of activity is really meaningful for me, especially for the chance to exchange knowledge and build up communication skills that are very useful for me. I also want to thank the organizers and facilitators for this activity" - one of the students.



Students' performance during One Health Student Club Competition at Thai Binh University of Medicine and Pharmacy. Image credit: VOHUN

One Health Champion, VOHUN



Vu Minh Anh

VOHUN University member (President of Thai Binh One Health Student Club)

Faculty of Public Health, Thai Binh University of Medicine and Pharmacy, Viet Nam

Minh Anh Vu is a dedicated student studying Preventative Medicine at the Thai Binh University of Medicine and Pharmacy (TBUMP) in Vietnam. She has actively participated in the university's One Health Student Club since 2020. Demonstrating her leadership skills, Minh Anh currently holds the position of President within the club. She has always been passionate about public health and animal welfare, and her involvement has allowed her to pursue these interests with like-minded individuals.

Minh Anh's commitment to the club's mission has made her an important asset to the organization. As a Secretariat member of the TBUMP Students' Union, Minh Anh has also shown her dedication to creating a supportive learning and research environment for her peers.

Minh Anh has volunteered with various organizations and public health campaigns, demonstrating her commitment to making a positive impact in her community.

In recognition of her talents, Minh Anh was awarded the Public Pick Award by SEAOHUN, which was handed out after securing a prize for an art piece on AMR resistance at the SEAOHUN Regional Student Competition in 2022.

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“The health of humans, animals, and the environment are interconnected. Only by addressing the health of all three can we truly achieve optimal health outcomes for all.”

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