

OH STUDENT SEMINARS – HAI PHONG, THAI NGUYEN AND THAI BINH, JANUARY AND MARCH 2016

students and staff from multiple disciplines, primarily medicine, public health and veterinary medicine. The talks generated tremendous enthusiasm in the universities for working together and collaborating on teaching and practical work. The universities are establishing OH student clubs to support ongoing information sharing and cooperation between students and staff from different disciplines to promote and advance the OH approach for responding to outbreaks of infectious diseases.

Stan Fenwick, OHW Regional Advisor, visited faculties in these 3 provincial cities to deliver seminars on OH and Emerging Infectious Diseases to groups of



Upcoming Events

- **2 – 3 April, Thai Nguyen:** Review the current training programs related to OH content – group Thai Nguyen, Bac Giang
- **4 – 5 April, Thai Binh:** Review the current training programs related to OH content – group Thai Binh
- **21 – 22 April, Hanoi:** Workshop on developing environmental core competencies under the existing master of public health program
- **23 – 24 April, Thai Nguyen:** Launching the One Health student club at Thai Nguyen University
- **25 April, Hanoi:** National Scientific Conference On Public Health “Public Health In Vietnam: Current Situation And Future Perspective” - One Health – Eco-health session
- **27 – 28 April, Hue:** Develop curriculum for field-training with OH oriented course (for student)
- **28 – 29 April, Ho Chi Minh:** Review the current training programs related to OH content – group Ho Chi Minh, Tay Nguyen, Can Tho
- **25 – 29 May, Nghe An:** Conduct a training of trainers course on One Health competencies
- **11 – 12 June, Hanoi:** Workshop on Develop the OH curriculum for continuing education/training course
- **13 – 14 June, Hue:** Workshop for agreement of OH- training programs
- **27 - 29 June, Hanoi:** ToT training course for Hanoi Medical University faculty members

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Highlights

WORKSHOP TO DEFINE ONE HEALTH WORKFORCE NEEDS, HANOI, 29-30th JANUARY, 2016

The workshop was implemented to assess One Health workforce and training needs for government staff from the human, animal and environmental health sectors at the local and central levels. Participants included representatives from VOHUN member universities and Vietnam Government departments (Ministry of Health, Ministry of Agriculture and Rural Development, Ministry of Education and Training) from both central and provincial levels, as well as advisors from the University of Minnesota and Tufts University.

The workshop was divided into two parts: sharing of current trainings and discussion of needs. Opening the first part, Dr. Stan Fenwick gave a talk on One Health core competencies and the One Health approach, and then representatives from Hanoi School of Public Health and MARD shared experiences on integrating the One Health approach into the Environmental Health curriculum and successes and challenges from the Applied Veterinary Epidemiology Training AVET program. Dr. Jeff Bender and Dr. Bruce Alexander from University of Minnesota gave a joint

presentation using the recent HPAI outbreak in Minnesota as a case study to illustrate how multiple groups were required to work together for control of the disease outbreak. A number of questions were raised at the workshop including - what are the common zoonoses in Vietnam; who is involved in their prevention and control; which disciplines are involved and what are their roles; what could be done to improve collaboration; what competencies do staff need in the provincial centres to prevent and control zoonotic diseases and should universities be changing the way they teach public health to ensure that the future workforce is well trained to deal with future outbreaks?

The workshop was a great success, a lot of good relationships were developed between universities and their government counterparts, in particular between provincial institutions and nearby disease prevention and animal health centres, and a number of opportunities to develop and implement training courses were identified. VOHUN has committed to following up with these initiatives over the coming months, in particular when planning Y3 activities.

WORKSHOP TO DEVELOP TRAINING MATERIALS AND TEXTBOOK FOR ZONOTIC DISEASE MODULES, NHA TRANG, FEBRUARY 28th-29th, 2016

Vietnam National University of Agriculture (VNUA) and VOHUN National Coordinating Office held the workshop to develop draft training materials and a textbook of zoonoses modules for future training of OH students. The main objectives of the workshop were to: i) discuss and revise the draft textbook; ii) develop a timeline for completion and iii) develop a plan for piloting the modules.

Participants at the workshop included 30 lecturers from VOHUN member institutions who had contributed to the textbook, and an advisor from Tufts University. The textbook is approximately 280 pages long. After one and a half days hard work with ebullient debate, all participants reached consensus on the following format:

- **Chapter I:** One health and the One Health approach
- **Chapter II:** Overview of zoonoses
- **Chapter III:** Microbiological zoonoses
- **Chapter IV:** Parasitic zoonoses
- **Chapter V:** Prevention and control of zoonoses using the One Health approach (including case studies)

This course will be a 3-credit offering, with 30 hour of lectures and 15 hours of practice. VNUA aims to have a final revised book ready by May 20th 2016. Piloting will initially be carried out at VNUA, probably in September 2016 after materials have been developed. All participants agreed that the book needs to be made relevant to multiple disciplines, and the content needs to be well balanced and relatively simple for the understanding of bachelor level students.



ONE HEALTH GRANT WRITING WORKSHOP, HANOI, MARCH 24th, 2016

Prof. Saul Tzipori and Prof. Rick Speare from Tufts University facilitated the workshop. The aim of the workshop was to share experiences in writing a typical grant proposal using a SEAHOUN seed grant template and to provide guidance on sources of funding for One Health grants. Participants included 19 lecturers and researchers from VOHUN member institutions and some related research institutions in Hanoi.

The workshop was a great success with 4 research proposals related to One Health being drafted. With technical support from the Tufts facilitators, 3 candidates will develop short summary proposals including - title, research plan (study site and context), specific aims, funding period and significance and will submit these to Prof. Tzipori and Prof. Speare for comments. They emphasized that the research should involve a multi-disciplinary team, and develop connections between different universities and institutions.



WORKSHOP TO DEVELOP MODULES FOR A OH-ORIENTED INTERNATIONAL MASTER OF PUBLIC HEALTH PROGRAM AT HANOI MEDICAL UNIVERSITY, VINH PHUC, 26th-27th MARCH 2016

Following a series of workshops in 2015 that initiated development of 14 modules for this program at Hanoi Medical University (HMU), HMU and the VOHUN National Coordinating Office successfully organized this third workshop to continue development of the modules for the OH-oriented International Master of Public Health program. The objective of this activity was to develop the content for each module. The meeting included 22 lecturers from Hanoi Medical University who will have the responsibility for teaching the program, 5 lecturers from other Medical Universities and 4 advisors from the University of Minnesota and Tufts University.



All participants discussed and offered suggestions for the content of each lesson in the 14 modules. The workshop reached consensus on details of the modules including objectives, main content, required reading and recommended reading for each lesson. A timeframe to complete the program was agreed at the workshop. The next step will be for the HMU staff to finalize and complete the content of the modules following guidance from the workshop participants. A final workshop on training of trainers will be held later this year and will provide teachers the skills and knowledge on how to maximize the OH content and use innovative teaching methods in the course. The program will be implemented in November 2016. Ten scholarships have been allocated by VOHUN for Vietnamese participants and 8 scholarships will be awarded by SEAHOUN for international participants.

Other activities

REVIEW AND INTEGRATION OF ONE HEALTH CONTENT INTO THE CURRENT BACHELOR OF NURSING CURRICULUM, NAM DINH UNIVERSITY OF NURSING, JANUARY 16th, 2016

The meeting included the Vice-Dean of Nam Dinh University of Nursing, the Heads of the Training Department, Testing Center and Quality Assurance Department and other faculties that could integrate OH content. A representative from VOHUN NCO, Dr. Phuc, attended to introduce the VOHUN objectives and activities in 2016 and 2017, and to emphasise the importance of integrating the One Health core competencies into the Nursing curriculum.

After summarizing the results of the review of One Health content in the current nursing curriculum, participants discussed and agreed to integrate One Health content into the Community Nursing course. The total time for this subject is 4 credits, including 3 weeks of field work that provides the best opportunity for integration of One health case studies and application of the OH approach (one credit). Nam Dinh University of Nursing will develop an outline and syllabus for the One Health modules and aims to pilot the course later in 2016.



LAUNCHING MEETING AND SIGNING CEREMONY FOR THE PARTNERSHIP FRAMEWORK OF THE VIET NAM ONE HEALTH PARTNERSHIP FOR ZOOZOSIS, HANOI, MARCH 1st, 2016

After a long period of development, Vietnam has made significant strides towards the prevention of zoonoses and other emerging infectious diseases in our country using the One Health approach.

Under the direction of the Government, extensive consultations indicated consensus to re-launch the Partnership for Animal and Human Influenza (PAHI) as the Vietnam One Health Partnership for Zoonoses (OHP). The Prime Minister, H.E. Nguyen Tan Dung, approved the framework for the new structure and OHP was officially launched on 1st March, 2016 at the Melia Hotel, Hanoi, with 27 domestic and international partners signing the official document to inaugurate the new agency. Partners included the Ministry of Agriculture and Rural Development, Ministry of Health, Ministry of Natural Resources and Environment, United Nations, US Embassy, USAID, World Bank, CIRAD and ADB. The overall goal of the One Health Partnership will be to enhance the capacity of Vietnam to address zoonotic infectious disease threats at the human-animal-ecosystem interfaces.



Assoc. Prof. Bui Thi Thu Ha – Dean of Hanoi School of Public Health, Ms. Nguyen Luong Hien – Director of CENPHER and Ms. Le Thi Thanh Huong – chairman of VOHUN represented the Vietnam One Health University Network at the signing ceremony. Assoc. Prof. Bui Thi Thu Ha gave a speech on behalf of the partnership welcoming the creation of the OHP and pledging support for its mission to prevent and control zoonoses in Vietnam.

This launching meeting was an important milestone in the development of One Health in Vietnam, and VOHUN will pledge to support all OHP initiatives in the five year plan from 2016 to 2020.



PRE-WORK PLANNING MEETINGS WITH US TECHNICAL TEAM, HANOI, MARCH 18TH-19TH, 2016.

VOHUN NCO and Executive Board met with a technical team from the One Health Workforce project (UMN and Tufts University). The purpose of the meeting was to review the year 2 technical activities, project management, reallocation of funds, implementation challenges, reporting protocols and M&E. The US team, led by Dr. Katey Pelican, described how the 5 objectives of OHW had been modified as follows - (1) OH workforce assessments, planning, and policy communication; (2) Education and Training of OH students (future OHW/Pre-service); (3) Education and Training of Government professionals/Health practitioners (current OHW/In-service); (4) Faculty/Staff development and improved academic offerings; (5) Organizational development of sustainable OHUNs.

Activities that had been implemented in year 2 were discussed on day-1. During the meeting, VOHUN staff updated activity status, including fixing the dates, and agreed to move activities that cannot be implemented in year 2 to year 3 or to cancel them and reallocate the funds. On day 2, Dr. Kaylee Errecaborde from the US team gave a talk on Year 3 work planning and OHW guidance for the process. Several ideas for Year 3 were proposed by the VOHUN EB and the OHW team were very impressed with the Vietnam team's proposals. VOHUN will submit the Year 3 proposal to SEAHOHUN for review by 30 April.



DIRECTOR OF ONE HEALTH WORKFORCE PROJECT AND SEAOHUN SECRETARIAT VISIT TO VOHUN NCO, HANOI, MARCH 31ST, 2016



After the SEAOHUN Executive Board meeting in Hanoi, Professor John Deen – Director of the One Health Workforce Project (OHW) and members of the SEAOHUN Secretariat visited the VOHUN National Coordinating Office (NCO) at Hanoi School of Public Health. The NCO staff introduced the VOHUN strategic plan for the period 2015-2019 and shared the successes and challenges during the one and a half years that the OHW project had been implemented in Vietnam. Professor Deen enthusiastically supported the activities proposed by VOHUN. He emphasized the importance of the SEAOHUN Secretariat and VOHUN NCO working closely together to promote the activities of the network, both regionally and in Vietnam.

The SEAOHUN Secretariat and VOHUN NCO agreed to more frequent communication to share information with each other. In order to understand more about the benefits of the OHW project, at the end of the meeting Professor Deen interviewed some students and lecturers from HSPH on the One Health concepts and activities related to One Health. He stressed his support for VOHUN on implementation of activities and strengthening of the network. The VOHUN NCO looks forward to close collaboration with SEAOHUN and the OHW team over the period of the project.

ASEAN NEGLECTED TROPICAL DISEASES, KHON KAEN, JANUARY 14TH-15TH, 2016

AThe Tropical Diseases Research Laboratory (TDRL) at Khon Kaen University organized the second Conference on Neglected Tropical Disease in Asia 2016. The aims of NTDA2016 were first to update the current status of major NTD in ASEAN countries and to share lessons learned from endemic countries. Second, to have world experts showcase advances in epidemiology and methodologies for effective NTD surveillance and control. Finally, to develop an ASEAN NTD Network as a platform for communication and collaboration between NTD practitioners in the region. This is essential for the mobilization of resources toward the sustainable control of NTDs in Asia at large. The conference was divided into 8 sessions including one on “Transdisciplinary/ One health and Ecohealth”.

A total of 150 participants from 20 countries attended the meeting. The conference consisted of 41 oral presentations and 25 poster presentations from international and local experts. The first day included NTD in ASEAN nations and their diagnosis. The second day consisted of updates on NTD in ASEAN countries and a panel symposium session on integrated control using a transdisciplinary approach was the final highlight. Poster sessions on related research topics ran simultaneously for the entirety of the conference.

The international/regional collaboration exemplified by this network will produce results that Asian scientists and others from around the world can translate from the laboratory to local communities. This will ultimately lead to improved NTD control, not only in Asia but throughout the world.



SEAOHUN REGIONAL GLOBAL HEALTH INSTITUTE TRAINING OF TRAINERS, CHIANG MAI, THAILAND, FEBRUARY 9TH-26TH, 2016

T raining of Trainers course to build a cadre of faculty staff able to facilitate future courses on Leadership in their own countries was held prior to the SEAOHUN Global Health Institute at Chiang Mai University. The representative from VOHUN was Dr. Phong Nguyen Duy (Ho Chi Minh University of Medicine and Pharmacy). During the GHI conference, Dr. Phong and his fellow

trainers used their new skills to train a group of approximately 20 participants from across the region. These included Dr. Nguyen Xuan Hoa (Hue University of Agriculture and Forestry) and Dr. Tran Nhat Thang (Thai Nguyen University of Agriculture and Forestry), who were nominated and supported by VOHUN.



The GHI course was divided into 3 sections:

Section 1 - a 4-day training experience entitled “One Health Leadership for Emerging Diseases”, including a one day One Health Young Leadership activity for undergraduates and a one day experiential field trip to observe OH in action. The participants were from Vietnam, Thailand, Malaysia, Indonesia and the USA (UMN and Tufts).

Section 2 - the “One Health Leadership for Emerging Diseases” course continued with more participants from Vietnam, Lao PDR, Cambodia, Indonesia, Malaysia and Thailand.

Section 3 - the participants were divided into two groups for the courses: “Food Safety Risk Analysis from Research to Policy” and “Geographical Information Systems (GIS) and Spatial Analysis for Disease Outbreak Investigation”.

Beside those issues, participants also attended the “2nd Global Health Conference of Researchers in Emerging Disease at Convergence of Animal, Human and Environmental health” at the Faculty of Veterinary Medicine, Chiang Mai University.

The training courses provided advanced knowledge and skills about emerging and re-emerging diseases, antimicrobial resistance, application of risk analysis, epidemiological tools and applications and food safety and hygiene. The trainers now have the skills to deliver similar activities for SEAOHUN members in the future.