



Joint Symposium of
21st Annual Meeting of the Asian Association
of Veterinary Schools (AAVS)
11th Sapporo Summer Symposium
for One Health (SaSSOH)



Good Practices of Education on One Health

9:30-11:30
September 13th (Wed), 2023

Venue: Conference Hall
Faculty of Veterinary Medicine
Hokkaido University

9:30-9:35

Opening Remarks

Mitsuyoshi Takiguchi
Hokkaido University, Japan



Chair

Fang-Chia Chang
National Taiwan
University,
AAVS Executive
Committee Member

Yoshihiro Sakoda
Hokkaido University,
Japan

9:35-10:10

Special Lecture

Ichiro Fujita
Ministry of Health, Labour
and Welfare, Japan
*"G7 efforts through a One
Health approach - G7 Health
Ministers' Meeting in
Nagasaki"*



10:45-11:10

Han Sang Yoo

College of Veterinary
Medicine, Seoul National
University, Korea
*"Current and Future
Direction of One Health
Education
in Korea"*



11:10-11:25

Pondpan Suwanthada

PhD student, Graduate School of
Infectious Diseases, Hokkaido
University, Japan
*"Toward a researcher who can
contribute to One Health"*



10:10-10:45
Plenary Lecture

Pham Duc Phuc
Vietnam One Health Network,
Vietnam
*"The Role of One Health
Workforce Development in
Global Health Security:
An Example in Vietnam"*



11:25-11:30
Closing Remarks

Seong Je Kyung
Seoul National University,
AAVS Executive
Committee
Member



HOKKAIDO UNIVERSITY
WISE Program for
One Health Frontier
Graduate School of Excellence



One Health
Research Center
HRC

Title: Good Practices of Education on One Health

Chair:

Dr. Fang-Chia Chang (National Taiwan Univ., AAVS Executive Committee Member)

Dr. Yoshihiro Sakoda (Hokkaido Univ.)

9:30-9:35

Opening remarks:

Dr. Mitsuyoshi Takiguchi (Hokkaido Univ.)

9:35-10:10 (30 min + 5 min)

<Special lecture>

Mr. Ichiro Fujita

Ministry of Health, Labour and Welfare, Japan

***“G7 Efforts Through a One Health Approach –
G7 Health Ministers’ Meeting in Nagasaki”***



10:10-10:45 (30 min + 5 min)

<Plenary Lecture>

Dr. Pham Duc Phuc

Vietnam One Health Network, Vietnam

***“The Role of One Health Workforce Development
in Global Health Security: An Example in Vietnam”***



10:45-11:10 (20 min+ 5min)

Dr. Han Sang Yoo

College of Veterinary Medicine, Seoul National University, Korea

“Current and Future Direction of One Health Education in Korea”



11:10-11:25 (10 min + 5 min)

Ms. Pondpan Suwanthada

**PhD student, Graduate School of Infectious Diseases,
Hokkaido University**

“Toward a Researcher Who Can Contribute to One Health”



11:25-11:30

Closing remarks:

Dr. Seong Je Kyung

(Seoul National University, AAVS Executive Committee Member)

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G7 Efforts Through a One Health Approach - G7 Health Ministers' Meeting in Nagasaki

Ichiro Fujita

Deputy Assistant Minister for International Policy Planning,
Ministry of Health, Labour and Welfare, Japan

The G7 Health Ministers' Meeting is a ministerial meeting held in conjunction with the G7 Summit to discuss various issues in the global health among G7 ministers. In May 2023, Japan held the G7 Health Ministers' Meeting in Nagasaki, and led the discussion under the theme of "working together for a healthier future".

This lecture gives you the introduction of the outcomes of this year's G7 Health Ministers' Meeting and integrated efforts that the G7 leaders are going to make to implement One Health approach for addressing emerging health threats.

The Role of One Health Workforce Development in Global Health Security: An Example in Vietnam

Pham Duc Phuc

Center for Public Health and Ecosystem Research (CENPHER), Hanoi University of Public Health (HUPH)
Vietnam One Health University Network (VOHUN)
Institute of Environmental Health and Sustainable Development (IEHSD)

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INTRODUCTION: Emerging pandemic threats such as highly pathogenic avian influenza, SARS, Ebola, COVID-19, etc., coupled with other complex global challenges such as climate change, urbanization, food safety and antimicrobial resistance, have fueled the One Health (OH) movement in recent times. As such, universities have developed OH curriculum for students, which is the most important condition to build a new generation with strong knowledge, ability to respond with global health security.

CONTEXT AND AIM: In Vietnam, OH approach has been partly incorporated into the curriculum in different subjects of medical and veterinary training program. However, this curriculum has not met the needs of OH core competencies. Therefore, universities need to build new subjects or strengthen the integration of OH modules into existing subjects.

METHODS: We implemented different activities, including reviewing current curriculum, creating framework, developing training materials, testing the teaching tools and applying to the training programs based on OH approach.

RESULTS AND DISCUSSION: A total of 27 universities were reviewed all current training programs, based on 07 OH core competency and 08 OH technical modules. One Health compulsory module was trained for students as well as for current professionals at provincial and community levels. VOHUN already trained 300 faculties, 62,000 students and 1,000 health and veterinary staff. Students in the VOHUN programs played critical roles in ensuring effective, early detection and mitigation of naturally occurring, accidental and deliberate biological attacks.

CONCLUSION: Utilizing this competency-based education, VOHUN has prepared the OH workforce for global health security, as well as working together with government institutions to build a strong One Health Workforce in Vietnam.

KEYWORDS: *One Health workforce, Global health security, Curriculum, University, Vietnam*

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Current and Future Direction of One Health Education in Korea

Han Sang Yoo DVM, Ph.D.

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One Health is a strategy to achieve the best health outcomes for people, animals, plant and our environments through coordination, communication and collaboration among people who protect human, animal, and environmental health, and other partners. Concept of the One Health has been known for a long time, but action plan and practices for One Health have began to emerge again in the recent 20 years. Actually, One Health, first known as One Medicine, began with zoonotic diseases that emerged when human and animals lived together. However, as the importance of the environment has been increased followed by social and environmental changes due to industrialization, increase of population and global trade, climate changes etc., the concept and scope of One Health have been expanded.

In Korea, One Health was introduced about 15 years ago through seminars and conferences, and it was about 10 years ago that One Health was opened as a subject in the field of veterinary medicine. Currently, in Korea, only Seoul National University offers this as a subject in graduate school, and other universities introduce it as a part of several lectures such as infectious disease, public health, etc.. At beginning, one professor from College of Veterinary Medicine covered all of this subject in a 16 weeks course, but since three years ago, professors from other related fields, namely the Graduate School of Public Health and College of Medicine are also participating in the One Health course. Therefore, the subject offerer was also changed from the college level to the headquarter of university.

In terms of class content, in the early days, zoonotic infectious diseases were mainly focused. But, now the content and scope have been expanded to include not only zoonotic infectious diseases, but also antibiotic resistance, environmental pollution by chemicals and heavy metals, and non-infectious diseases. In the early days, the range of students taking the course was mainly graduate students majoring in veterinary medicine, but now graduate students majoring in related fields are also actively taking this course. Currently, it is opened only once a year. However, in the near future, we will make active efforts so that students majoring in other fields as well as health-related majors can take this course by opening every semester and expanding the contents and participating professors in the course.

Toward a Researcher Who Can Contribute to One Health

Pondpan Suwanthada

Bioresources Division, Graduate School of Infectious Diseases, Hokkaido University

The concept of One Health, emphasizing the interconnectedness of human, animal, and plant health with the well-being of ecosystems, has been acknowledged for over a century. As researchers, we are driven to contribute not only to the scientific community but also to public health. Varied contexts in which the term "One Health" has been applied, thereby broadening our comprehension of practical implications. Moreover, we want to inspire and equip researchers to become successful advocates for One Health which go beyond traditional research methodologies to effectively translate their findings into actionable measures that promote the health of interconnected ecosystems. In conclusion, our exploration of the researcher's role in contributing to One Health goes beyond the mere pursuit of scientific knowledge. By showcasing real-world applications and emphasizing the importance of a broader perspective, we aim to empower researchers to play an active role in shaping a healthier and more sustainable world through the lens of One Health.

<Background>

I graduated from Faculty of Veterinary Medicine, Kasetsart University, Thailand. I experienced working in small animal hospital for 2 years before entering Graduate School of Infectious Diseases. After Ph.D. I would like to pursue my career path as a researcher who is a leading authority in the field of antimicrobial resistance (AMR).

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