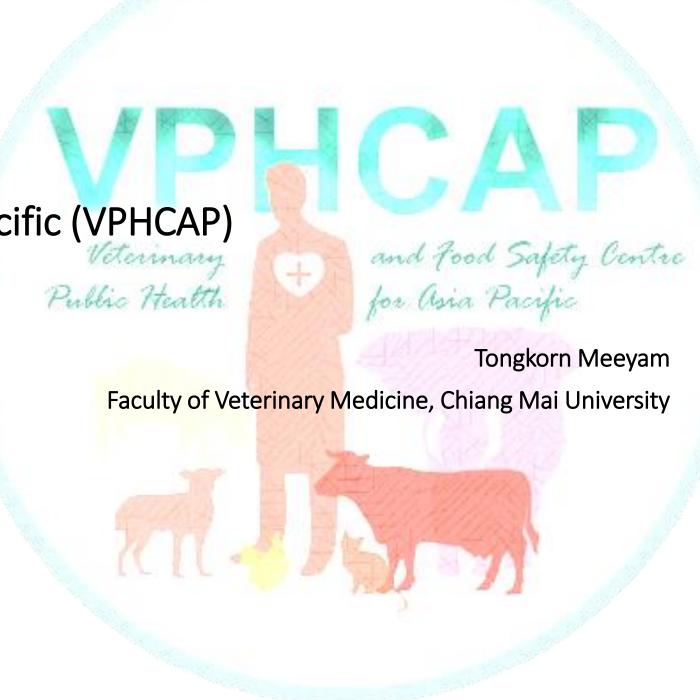
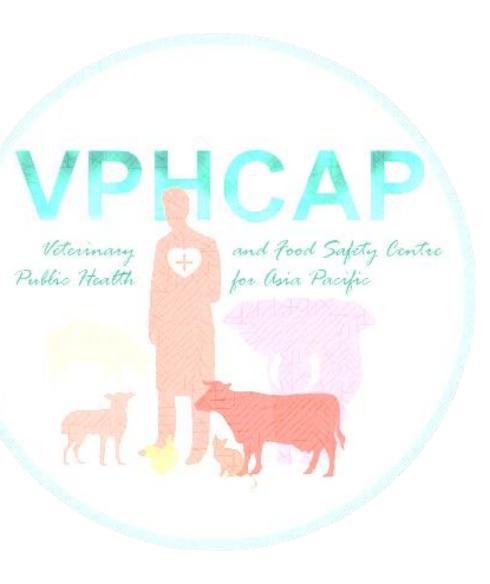
Experience sharing:
Veterinary Public Health and
Food Safety Centre for Asia Pacific (VPHCAP)









Veterinary Public Health and Food Safety Centre for Asia Pacific (VPHCAP)

Further information: https://vphcap.vet.cmu.ac.th/

VPHCAP at a glance: https://youtu.be/MRmn247NFfy

VPHCAP: About us





- Under Faculty of Veterinary Medicine, Chiang Mai University
- Collaborative center for Veterinary Public Health
- Since 2003, the joint-international master program in Veterinary Public Health FU-Univarsität Berlin
 - 81 alumni from 15 countries 15 countries
 (Bhutan, China, Pakistan, India, Bangladesh, Sri Lanka, Nepal,
 Philippines, Indonesia, Malaysia, Lao PDR, Myanmar, Vietnam,
 Cambodia, and Thailand)

VPHCAP: What we do



Capacity building

Global Health Institute: Intensive professional training course

Short training course:
Risk analysis,
Participatory
Epidemiology, Food
safety, OneHealth

Online program: OIE educational platform, Food security

International degree program:

Master of Science in Veterinary Public Health (former MVPH)

Master of Science in Veterinary Science

Master of Public Health in OneHealth (establishment) Research

Food safety

Antimicrobial resistance

Zoonoses and Transboundary disease





Why/how VPHCAP became involved in collaboration with international organisations?

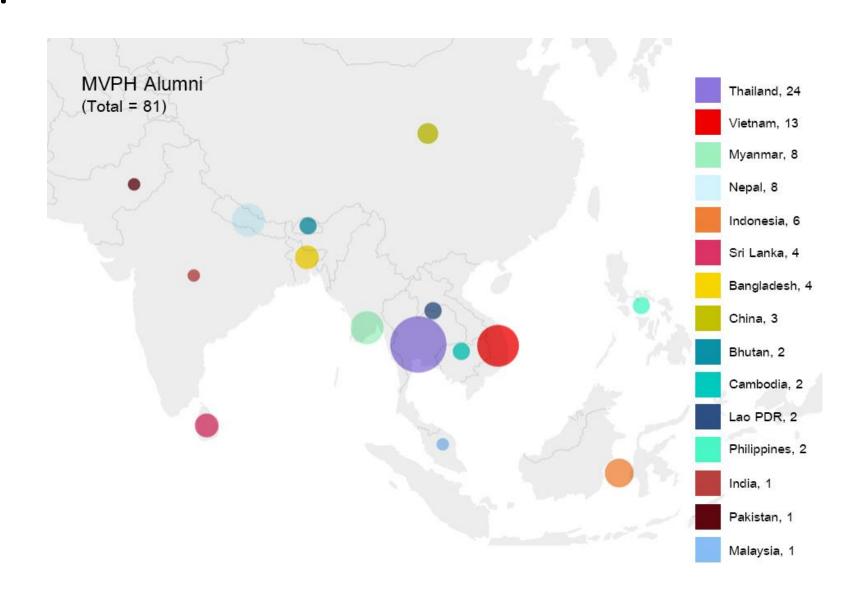
Clear vision:

"the knowledge and collaborative centre for harmonizing the capacity of veterinary service in the region



Opportunities:

 Regional and international network from alumni, trainees and partners



Master of Science in Veterinary Public Health (International Program)



Activities conducted under collaboration





- 1. OIE educational twining project
- 2. OIE collaborating centre in

Veterinary Service Capacity Building

Chiang Mai-Minnesota Veterinary Education Twinning project:

principal objectives



- Strengthen effective veterinary services by aligning veterinary education within the framework of the OIE PVS pathway
- Improve the veterinary workforce by ensuring that new veterinary graduates demonstrate compliance with OIE Recommendations on the Competencies of Graduating Veterinarians ('Day 1 Graduates') to assure the high quality of national Veterinary Services (Day 1 competencies)



 Deliver continuing professional development for veterinarians working in both public and private components of National Veterinary Services in order to advance knowledge and skills as outlined in the advanced competencies developed by OIE



 Promote the One Health approach for interdisciplinary collaboration in addressing health issues at the human, animal, and environmental interface

CMU-UMN Twinning Program

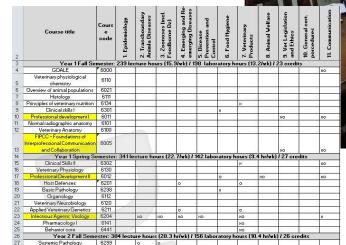


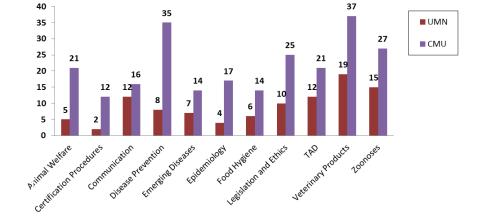
- 1. Curriculum Development
 - 2. Faculty Development
 - 3. Student Exchange



1. Curriculum Development

- 1. OIE model core curriculum comparison
- 2. OIE Day 1 Competencies
 - Gap analysis
 - Module development
 - Student survey
 - Faculty Interviews
- Advance Competencies
 Graduate degrees, residencies, specialty training
 Same approach as Day One competency mapping





Hamilton, K., Middleton, J.L., Pattamakaew, S., Khattiya, R., Chalita Jainonthee, Meeyam, T., Hueston, W., 2020. Mapping Veterinary Curricula to Enhance World Organisation for Animal Health (OIE) Day 1 Competence of Veterinary Graduates. Journal of Veterinary Medical Education 47, 74-82.

2. Faculty Development

- Teaching workshops (Feb and August 2014)
 - Teaching methods
 - Mapping
 - Modules based on gap analysis
 - Evaluation





2. Faculty Development

- Exchanges
 - CMU July, October 2013; February, August 2014
 - Veterinary public health, epidemiology, food safety, communications
 - UMN September 2013; January, March, April-May, and May-June 2014
 - Swine, animal welfare, veterinary public health, food safety, aquatics, dairy
 - Teaching methods







3. Student Exchanges

- 1 group of 14 together for 6 weeks in 2 countries
 - CMU: 5 students, 1 resident, 1 professor
 - UMN: 5 students, 1 resident, 1 professor









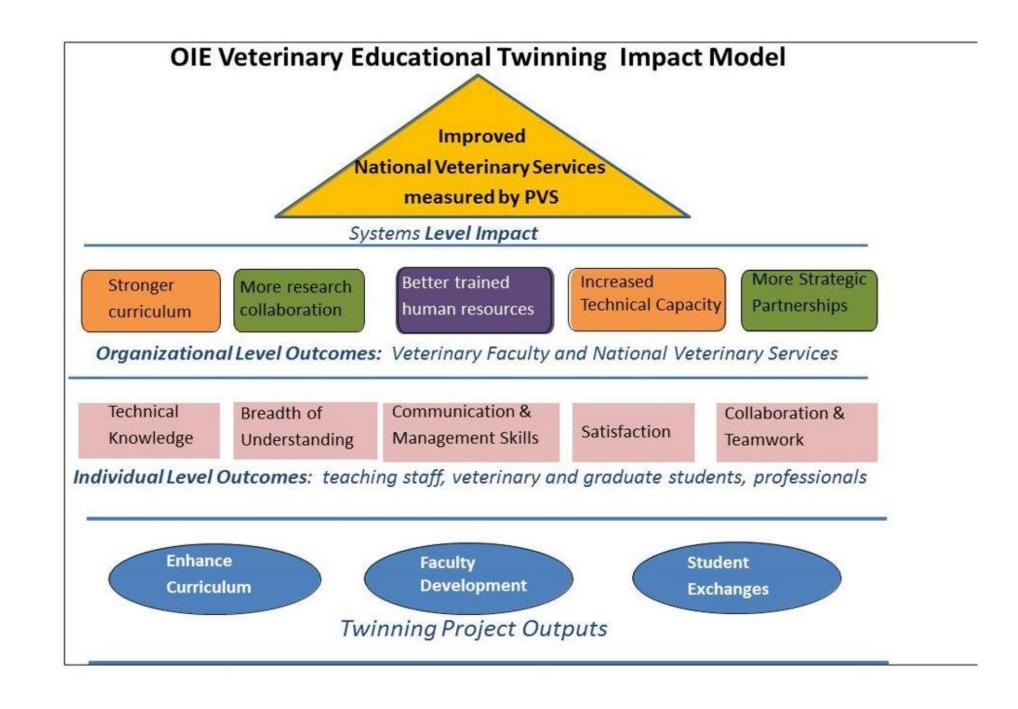


For student feedback, please visit https://www.youtube.com/watch?v=aCMnpQ5C9aA





Impact of collaboration:
OIE educational twining project



Impact: stronger curriculum

Curriculum Revision: Every curriculum must be revised and approved every 5-7 years

Before:

 Animal welfare issues were unofficially interpolated within subjects

After:

 Animal welfare issues are directly visible in the curriculum and number of study hours is assigned.

Impact: stronger curriculum

Teaching technique development: Some CMU teaching staff were trained by UMN staff about active learning and implemented the technique in a pilot class "Swine Transboundary Diseases"

Before:

- More than 90% passive learning
- Teaching staff were not competent in facilitation of active learning
- The students were good in recognition but not systemic thinking or critical thinking

After:

- The students felt positive about the pilot class but there is a lot to improve
- Implementing more active learning using the model above

Impact: stronger curriculum

Online Course Development: Develop on platform such as Moodle and Focused on OIE day-1 competencies and gaps identified

Communication skill: https://youtu.be/U6KOrR0aLmg

Animal welfare: https://youtu.be/gTk9WUfYoJo

Application of risk analysis: https://youtu.be/sciaPf7AfgE

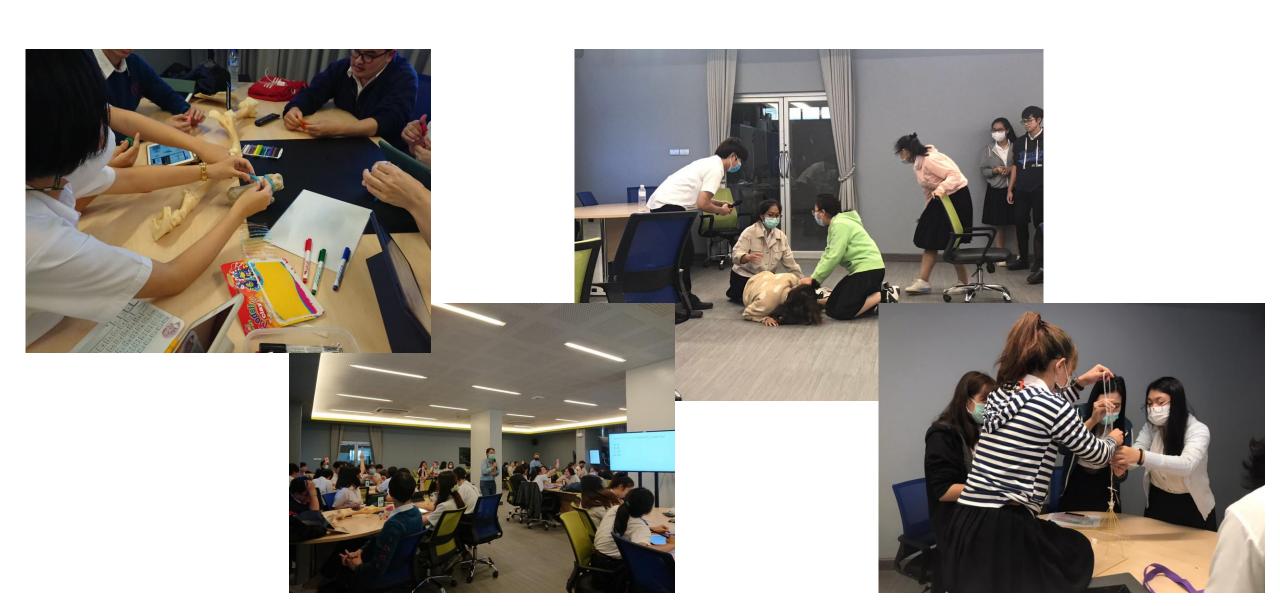
Emerging and re-emerging diseases: https://youtu.be/MX7DLCIDGfl

Epidemiology determinants of diseases: https://youtu.be/508nh6Qurgw

Zoonoses: https://youtu.be/YbML4gQXMOM

International trade framework: https://youtu.be/MKqJFTUcLHs

Impact: Enhance active learning



Impact: collaborative research

1st Year-Joint Project Phase 1: 2016

- Antibiotic Stewardship in Companion Animal Practice
- Epidemiology of bovine tuberculosis in Chiang Mai and Chiang Rai provinces, Thailand
- Risk assessment of Campylobacter jejuni in chicken meat production in Northern Thailand

2nd Year-Joint Project Phase 1: 2017

- Cattle movement and zoonotic potential associated with bovine tuberculosis in Chiang Mai, Thailand
- Antimicrobial resistance in poultry production in Chiang Mai, Thailand and effect of prebiotics on gut microbiota and antimicrobial resistance genes
- Functional, Immunological, and Biological Characterization of Canine Transmissible Venereal Tumor

OIE Collaborating Centre in Veterinary Services Capacity Building







Partnership and collaborating centre establishment

- Center for Animal Health and Food Safety (CAHFS), University of Minnesota as a Collaborating Center for Capacity Building in Veterinary Services
- CAHFS supports the VPHCAP to pursue an OIE Collaborating Center for Capacity Building in Veterinary Services in Asia









- The officially opening ceremony of the OIE Collaborating Centre was on 18 August 2016
- Thailand's Department of Livestock Development in collaboration with the Veterinary Pubic Health Centre for Asia Pacific, Faculty of Veterinary Medicine, Chiang Mai University

"A center for developing and increasing capacity of veterinarian in country and international level"







Meeting of 5 OIE Collaborating Centre for Veterinary Services Capacity Building

- Aim to develop the "global training program" for online-training course
- Collaboration among 5 OIE collaborating center in Veterinary Services
 - Capacity Building around the world;
 - France, Argentina, USA, Thailand, Senegal



OIE educational platform

- Network of OIE collaborating centre in Veterinary service in capacity building
- Training portal for e-modules of 14 training package
- E-moodle development and review



Summary



- Partnership as a key of success
- Synergizing the outcome and impact with collaboration
- Appreciation of different culture

