



# CMU-UMN

## Twinning

### January 2014

Reporting Period: 6/19/2013 - 12/19/2013

#### ***Veterinary Education Twinning's aims and objectives Chiang Mai University (CMU) and University of Minnesota (UMN)***

##### **Our principal objectives are to:**

- 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 a One Health approach for interdisciplinary collaboration in addressing health issues at the human, animal, and environmental interfaces.

##### **We will accomplish these objectives over the next two years through:**

- Review of educational veterinary curricula and pedagogy.
- Identification of veterinary educational needs and strategic planning to fill the gaps.
- Development of Faculty teaching skills through symposia on pedagogy and skill-building workshops.
- Strengthening the veterinary curriculum and veterinary graduate programs in compliance with the OIE Recommendations on the Competencies of Graduating Veterinarians ('Day 1 Graduates') to assure the high quality of national Veterinary Services ('Day 1 Competencies').
- Enhancement of e-learning expertise and on-line coursework.
- Exchange of faculty and students.
- Initiation of collaborative research.
- Delivery of continuing veterinary education and professional development training programs.

#### **Modifications to the OIE Veterinary Education Twinning Project between the University of Minnesota (UMN) and Chiang Mai University (CMU)**

- 3 month no-cost extension, extending the twinning project until 18 September 2015 to better align with UMN academic schedule.
- Approval to re-budget 16,039 USD under 'Faculty Exchange #1' to support a junior faculty member from CMU to complete an international Master's Programme of Public Health. Fund balance was the result of deep savings resulting from complementary travel funds.
- Dr Khwanchai Kreausukon will become the new Dean of the Veterinary Faculty at Chiang Mai University as of 25 March 2014, replacing Dr Lertrak Srikitjakarn.

**Approved by Dr. Bernard  
Vallat 15 January 2014**

## Curriculum Assessment

### CMU Curriculum Summary:

- Reviewed OIE recommendations.
- Reviewed PVS Evaluation Report to Thailand (March 2014).
- Categorized CMU and UMN courses- based on model core veterinary curriculum.
- Analyzed the relevant content and identified gaps compared to Day1 competencies.
- Identified gaps in: animal welfare in farm animal production and communication skills with pedestrians.
- The CMU curriculum focuses principally on the trans boundary animal diseases (2.2) that occur in Thailand. Therefore some important diseases like African Swine Fever are not studied by the students.
- The UMN students receive considerably less education in food hygiene than the CMU students. While *ante mortem* and *post mortem* slaughter inspection are discussed in lectures, not all UMN students participate in slaughter inspection.
- Animal welfare education (competency 2.8) is a gap at both universities. Animal welfare competencies have been recognized as a high priority for curriculum enhancement. A working group comprising veterinary faculty members from each university and recognized animal welfare experts are working to identify existing materials that may be used to enhance the curriculum and address this gap.

### UMN Curriculum Summary:

The initial gathering of course information in the CVM curriculum included review of all courses, course objectives, course descriptions, and whether they were core, track or elective. All courses were compared against the OIE Day 1 Competencies for relevance by both Karin Hamilton and Jamie Slingluff in separate reviews.

The findings of both reviewers were combined. Very few courses were identified and targeted for additional review. Faculty of the targeted courses were interviewed to determine the methods of teaching and the presence of evaluated competencies in the curriculum.

Next steps include comparing our findings to that of CMU to determine strengths and opportunities for working together to determine how our respective curricula can be enhanced to meet OIE Day 1 competencies.



*MN faculty member Dr. Karin Hamilton visits with the Dr. Khwanchai Kreausukon who will become Dean of the CMU Veterinary Faculty on 25 March 2014*

### CMU curriculum and faculty skills at the end of the interim period

- The CMU core curriculum is well aligned with the OIE guidelines for Veterinary Education Core Curriculum.
- The CMU core curriculum has not changed at this point as the overall curriculum mapping has just been completed; the curriculum will be modified over the next two years based on detailed interviews with teaching staff involved with courses prioritized by the gap analysis.



*Visiting UMN faculty Dr. Jeff Bender and Linda Valeri celebrate the inauguration of Chiang Mai University's new Veterinary Public Health Residency Program, October 2013*

## *Activities performed, including workshops, curriculum enhancements, faculty development and student exchanges*

### **Planning meeting - July 2013**

Will Hueston and Karin Hamilton met with Dr. Rutch Khattiya in Chiang Mai in July 2013 to discuss the plan for the OIE twinning program.

- Plan the initial activities for the veterinary educational twinning project. Meetings were held with Dean Lertrak Srikitjakarn of the CMU Veterinary Faculty, Associate Dean Rutch Khattiya, and Assistant Professor Khwanchai Associate Dean for Research and Director of the Veterinary Public Health Center for Asia Pacific (VPHCAP).
- Orient key Veterinary faculty members to the OIE veterinary educational twinning project.
- Participate in the 10th Anniversary of the VPHCAP. Many of the Day 1 competencies are taught in the veterinary education curriculum by teaching staff of the VPHCAP.

### **First CMU Faculty Exchange to UMN, September 2013 – Panuwat Yamsakul**

Dr. Panuwat Yamsakul was the first CMU faculty member to complete an exchange with UMN. Panuwat teaches swine medicine and final year rotations on swine diseases and production. While at UMN, Panuwat participated in the Lehman Swine Conference in St. Paul, MN, one of largest continuing education forums for swine practitioners. He gained new knowledge and techniques on swine disease prevention and management practices that support disease control. In addition, he obtained guidelines/ ideas for creating a presentation he will deliver for the next Lehman Conference in 2014

Panuwat also met with UMN Professor John Deen and other UMN faculty members who teach swine health and diseases. Swine teaching activities including the swine clinical practice course were compared to the OIE Day 1 competencies. The review revealed:

- CMU students are only taught about Trans-Boundary Animal Diseases (specific competency 2.2) that occur in Thailand, creating a gap in their knowledge of diseases like African Swine Fever.
- CMU and UMN recognized a gap in teaching the OIE Day 1 competency 2.8 Animal Welfare.
- CMU and UMN recognize that teaching of Zoonoses (specific competency 2.3) and food hygiene (specific competency 2.6) could be enhanced by reiterating key points in the swine clinical practice course.

### **Jeff Bender and Linda Valeri visit Chiang Mai – October 2013**

UMN faculty exchange 1, part B: Professor Jeff Bender and Linda Valeri from the UMN veterinary faculty visited Chiang Mai University on October 1-10, 2013. Outcomes of the visit include:

- Reviewed progress on curriculum review for Day 1 competencies. Key educators were identified at CMU and UMN for more detailed curriculum review.
- Reviewed institutional policies and protocols related to the conduct of the OIE Veterinary Educational Twinning Program including expense reimbursement.
- Established communication channels and contact points for the operational aspects of faculty and student exchanges, workshops, and faculty development activities.
- Participated in the launch of the CMU Veterinary Public Health residency program; modeled after the UMN Veterinary Public Health and Preventive Medicine post-grad residency program.

## *Planned activities through Year One*

### **Second CMU Faculty Exchange to UMN, 13-17 January 2014 – Tongkorn Meeyam**

Dr. Tongkorn Meeyam (Tip) teaches food safety and public health. She is affiliated with the Veterinary Public Health Center for Asia Pacific. While at UMN, Tip will observe the Public Health rotation for final year veterinary students, discuss details of the veterinary student exchanges and learn new teaching methods. Tip will participate as an apprentice on the teaching team for the course “Leadership to Address Global Grand Challenges”. Tip and UMN faculty members also will plan for the next UMN faculty exchange to CMU where the teaching of Day 1 competencies will be enhanced through a teaching skills workshop.

### **UMN faculty exchange to CMU and Faculty Teaching Skills Workshop, 1-18 February 2014**

UMN faculty members Bruce Alexander, Jeff Bender, Karin Hamilton, Will Hueston, Deb Olson, and Jamie Slingluff will travel to CMU in early February. They will contribute to the second Global Health Institute (GHI) at Chiang Mai February 3-13, 2014, incorporating a number of the OIE Day 1 and advanced competencies as well as demonstrating alternative teaching methods.

Approximately 50 participants will attend the GHI including veterinary faculty members and government officials from Indonesia, Laos, Malaysia, Thailand and Vietnam. The first week will focus on leadership, communications, collaboration, systems thinking, and culture/ethics. Drs. Tongkorn Meeyam, Will Hueston, Karin Hamilton, and Jamie Slingluff will lead week one. Dr. Meeyam participated in the faculty exchange to UMN in January 2014 in preparation for co-leading this workshop.

Following the GHI, the CMU/UMN team will lead a teaching workshop for CMU faculty members on February 14, 2014 to discuss the OIE Day One Competencies, the curriculum mapping process, and the incorporation and evaluation of success in the DVM curriculum.



## Planned activities through Year One - continued

### Faculty Exchange to participate in Engaging Intergovernmental Organizations (EIO) March 2014 – Khwanchai Kreausukon

Dr. Khwanchai Kreausukon will become the new Dean of Veterinary Faculty at CMU beginning March 25, 2014. As part of a faculty exchange Dr. Khwanchai Kreausukon will visit the UMN and then join the Engaging Intergovernmental Organizations professional development program designed to help expand OIE Advanced Competencies among key global leaders and provide new skills for effectively engaging intergovernmental organizations (IGO).



*UMN visit to Chiang Mai: CMU celebrates veterinary public health residency partnerships, October 2013*

- During the week-long program, the EIO participants visit the OIE headquarters in Paris as well as the World Trade Organization and World Health Organization in Geneva, and the UN Food and Agriculture Organization in Rome.
- Khwanchai Kreausukon will join 20 other government officials, senior academic leaders, and private sector leaders from Africa, Asia, Europe and America for the program.
- Assistant Professor Khwanchai Kreausukon's participation in the EIO program will familiarize him with the workings of the OIE including their role as the international standard-setting organization for animals, animal products and zoonoses within the context of the World Trade Organization. In addition, Dr. Khwanchai will gain insights into the unique tripartite One Health initiatives of OIE.

### First CMU Veterinary Student Exchange – May 2014

In May 2014, Dr. Tongkorn Meeyam will accompany 5 final year CMU veterinary students and 1 CMU Veterinary Public Health resident to UMN for a 3 week period. The CMU cohort will join Dr. Larissa Minicucci, Dr. Jim Lee (UMN Veterinary Public Health resident) and 5 UMN students. CMU and UMN students will participate in UMN's final year veterinary public health rotation, an advanced public health rotation (farm-to-table course), and an additional Public Health Institute course.

In July 2014, the UMN veterinary student cohort will travel to CMU to participate in CMU's final year 3 week Veterinary Public Health clerkship.

These courses/clerkships cover most of the OIE Day One Competencies.

Students and faculty will get to experience how the other university teaches and evaluates the OIE competencies. Feedback will be collected from the students on where/how they think they are taught the competencies during the curriculum to compare with where/how the competencies were identified as taught through the curriculum mapping process.



*Dr. Khwanchai Kreausukon (CMU) and Dr. Will Hueston (UMN) during discussion of OIE Veterinary Educational Twinning Program with OIE Delegate from Thailand, Dr. Tristadee Chaosuanchaoen. 10 July 2013*

### CMU Faculty Exchange: Washington DC and UMN March 2014

Current CMU Dean Lertrak Srijitkarn, CMU Associate Dean for Education Rutch Khattiya and the new Dean, Khwanchai Kreausukon will attend the Association of American Veterinary Medical Colleges annual meeting in Washington DC to present papers on the OIE Educational Twinning Program during a symposium on March 13-15, 2014. While in Washington DC, they will meet with senior officials of the Veterinary Services of the United States before traveling on to Minnesota to visit UMN. They will work with veterinary faculty and senior leaders at UMN to compare curricula and discuss strategies for enhancing the teaching of OIE Day 1 and advanced competencies.