

EcoHealth-OneHealth Resource Centers in Thailand and Indonesia – establishment, success and perspective

EcoHealth 2014 August 11-15 2014 Montreal

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Part of ILRI EcoZD project

- To address capacity building needs on EcoHealth (EH)
- EH hub for the region



EcoHealth-OneHealth Resource Center at Chiang Mai University



Feb/Mar 2011

Jun 2011



EcoHealth Resource Center at Universitas Gadjja Mada



First steps towards establishment

Write shop

- October 11-12, 2010 at Chiang Mai University, CMU
 - January 11-13, 2011 at Universitas Gadjadara, UGM
-
- How other disciplines can contribute to human health
 - Brainstorming on ideas for an EHRC
 - Mission and vision
 - Organizational structure
 - Potential priority activities



Write shop – CMU* & key activities

*Health, Vet Med, Social Science, Socio Econ Science

Activity	Rating
Synthesizing the state of knowledge on EH	8
Workshop on research methods for EH	5
Investigate funding for EH	5
Produce bulletin/newsletter on EH	5
Launch new research on EH	4
Developing training material on EH for students to put a EH perspective on their work and support in publication	4
Developing case studies on EH in Thailand	3

Key activities:

- Capacity building
- Research
- Communication/networking





EHRC CMU – organizational structure

EcoHealth-One Health Resource Centre CMU
Co-located to the Fac Vet Med and VPHCAP

**Advisory
Committee**

**Executive
Committee**

**Working
Group**

**Veterinary
Medicine**

Nursing

**Associated
Medical
Science**

Medicine

**Social
Sciences**

Economic

Pharmacy





EHRC UGM – organizational structure

EcoHealth Resource Centre UGM

Initially co-located under the Vet Fac but later uner UGM

Advisory
Committee

Working
Group

Agric.
enginee
ring

Medical

Biology

Anthrop
ology

Veterinary
Medicine

Geology

Social
Sciences

Animal
science

Forestry
(wildlife)



Capacity building



- EcoHealth lectures/lecture series (1st year)
- EcoHealth/One Health guest lectures

ศูนย์ EcoHealth-OneHealth Resource Centre มหาวิทยาลัยเชียงใหม่
ขอเรียนเชิญทุกท่านเข้าร่วมกิจกรรม Lecture series
ประจำปีเนื่องมาศกวิชาการ ในหัวข้อการขยายขอบเขต

ILIR DRC CRDI

"Human-Primate Interface: Interaction, Conflict and Risk"
โดย Prof. Randall C. Kyes, University of Washington

และ

Microbiology Meets Ecology: Explaining Zoonotic Disease Emergence with a Streptococcal Outbreak in Thailand as a case example"
โดย Prof. Bruce Wilcox, Mahidul University

ในวันพุธที่ 24 พฤษภาคม 2554 เวลา 16.00 น. ถึง 18.00 น. ห้อง B403 อาคารเฉลิมพระเกียรติ คณะสัตวแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่
ขอเชิญทุกท่านเข้าร่วมโดยไม่เสียค่าใช้จ่าย

กิจกรรมนี้เป็นส่วนหนึ่งของโครงการ Ecological Epidemiology and the Emergence of Zoonotic Diseases Toward an Integrative Science Led Prof. Bruce Wilcox and Prof. Dirk Pfeiffer

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Ecology of Zoonotic Diseases: Brucella Case Study

ILIR

ในวันพุธที่ 26 ตุลาคม 2554
ณ อาคารเฉลิมพระเกียรติ
คณะสัตวแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่
ห้อง B403 เวลา 16.00 น.
โดยผู้เข้าร่วมจะไม่เสียค่าใช้จ่าย

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ILIR

"Challenges and opportunities for science-led decision making in dealing with food safety and emerging disease threats"
โดย Prof. Dr. Dirk Pfeiffer

ในวันพุธที่ 19 สิงหาคม 2554 ณ อาคารเฉลิมพระเกียรติ
คณะสัตวแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่
ห้อง B403 เวลา 0.30 น. โดยผู้เข้าร่วมจะไม่เสียค่าใช้จ่าย

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ILIR

"One Health" / "EcoHealth": Linking the Ecosystem Component with the Health Components"
โดย Prof. Dr. Karl-Hans Zessin

ในวันพุธที่ 11 กันยายน 2554 ณ อาคารเฉลิมพระเกียรติ
คณะสัตวแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่
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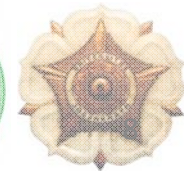
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Capacity building Year 2-3



- Change from Trainee to Trainer perspective
 - Initially joint by EH experts but later more and more independently
 - Meanwhile training provided on request (e.g. by CMU for external projects)
- Provider of EH training
 - faculty level
 - other faculties
 - outside faculty (limited scope)
- Insert EH ideas in ongoing curricula
- Undergraduate courses
- EcoHealth manuals

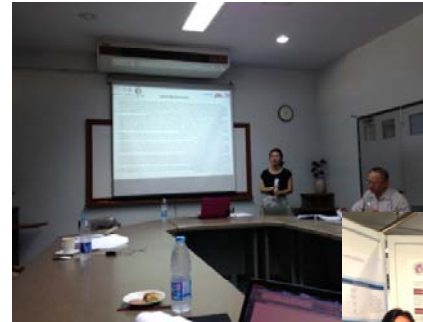




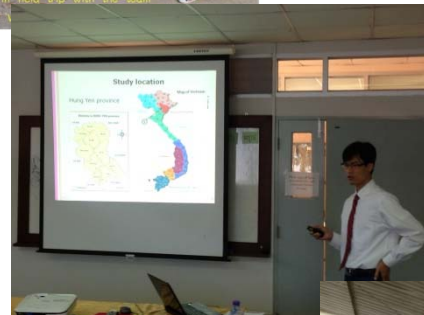
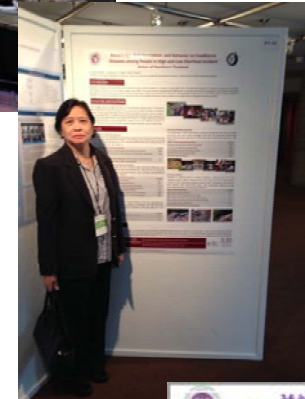
Research



Hill tribe Health



Kitchen of the world



VPHCAP meets EcoHealth

3-6 July 2013
At Imperial Mae Ping Hotel, Chiang Mai, Thailand

10 Year Anniversary
Veterinary Public Health Centre for Asia Pacific
Faculty of Veterinary Medicine, Chiang Mai University

1. Food safety and food security
2. Emerging infectious vector-borne and zoonotic diseases
& Environmental and occupational diseases
3. Bio-economic/social science perspectives related to human and animal health
4. EcoHealth/OneHealth system strengthening

Important Dates
13 May 2013: Abstract submission
17 May 2013: Author notification
24 May 2013: Full paper submission

Registration fee

Category	Before 23 May 2013	23 May 2013
Student of Chiang Mai University	100 USD / 175 USD	120 USD / 200 USD
Other	150 USD / 225 USD	170 USD / 250 USD
Registration fee includes presentation, lecture and coffee break		

Special presentations by
Dr. Terence Fyfe
Prof. Dr. Kathleen Smith
Prof. Dr. Thomas Ross
Prof. Dr. Huan Kuanping
Prof. Dr. Michael Greig
Prof. Dr. Hassan S. Wassef
Prof. Dr. Gary Muller

For more information
Website: www.vphc.org
Please contact: conference@vphc.org for +66 53 863111, +66 53 863112



Mini studies by EHRC exchange students





Research

- Leptospirosis in Yogyakarta province in animals and human based on a participatory approach
- Toxoplasmosis in the Province of Yogyakarta and Bali using an EcoHealth approach
- Research related to the Student Service Activities (SSA) or Kuliah Kerja Nyata (KKN) with some EcoHealth aspects
 - Goat sharing
 - Biogas/waste management





Research process



Overall research idea
circulated

Call for a meeting –
working group established

Brainstorm on potential
specific research topics

Identify roles of team
members

Plan, conduct and
evaluation

Build trust and relationship

Regular meetings

Rather small group but each
member active





Communication/Networking



<http://ehrc.vet.cmu.ac.th>

<http://www.ecohealth.fkh.ugm.ac.id>

- Conferences/workshops
- Flyers, poster, radio broadcasting
- Training materials, policy briefs ect.

Partners
Participating CMU Faculties to date either faculties are invited to join:
Faculty of Veterinary Medicine
Faculty of Economic
Faculty of Social Science
Faculty of Nursing
Faculty of Medicine
It is anticipated that additional participants will join these initiatives from diverse academic areas including the social sciences, economics, environmental as well as the health sciences (human and animal) health problems.

Regional partner
Gadjah Mada University, Indonesia (UGM)

Supporting organizations
- International Livestock Research Institute (ILRI)
- Royal Veterinary College (RVC), UK
- University of Illinois
- International Development Research Centre (IDRC), Canada

PLEASE JOIN US!

Contact information
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June, 2011

Ehrc-CMU
EcoHealth/One Health Resource Centre
Chiang Mai University

ILRI IDRC RVC

ECOHEALTH-ONEHEALTH
RESOURCE CENTRE CHIANGMAI UNIVERSITY
EHRC-CMU

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News
Training course on Integrating BioHealth in Veterinary Disease Risk Assessment and Management, 20th-27th July 2012, at Faculty of Public Health, Chiang Mai

Integrating EcoHealth in OneHealth

WHAT IS ECO HEALTH?

Humans, animals, and the environment are linked by a complex web of systems. Understanding those systems to help improve the health and well-being of humans and animals as well as the quality of the environment is the goal of the EcoHealth - OneHealth Resource Centre. Achieving understanding of those complex systems requires a Transdisciplinary approach in which health professionals, both medical and veterinary, work cooperatively with other



Calendar Event
Date: 01/10/2012
Name: Annual...





CMU & UGM Joint activities

Materialized idea along the process of implementation of the EHRC



- **Researcher and student exchange**
- **Jointly organised training courses**

EH and risk assessment

Jun 2012 (Chiang Mai) & May 2014 (Hanoi)(+ CENPHER & FBI)

- **EcoHealth-One Health symposium**

(1st Regional EH symposium, Jun 2013, Chiang Mai)





Joint activities Regular student exchange



UGM students at CMU

5-7 students, several batches for 1-2 weeks

- They joined EH training at CMU



CMU students at UGM

- 2 batches, 2-4 students for 2-4 weeks
- Conducting EH Mini-Research
- Results published





Perspectives for the EHRC



UGM

- Take part in regional One Health activities
- One Health University network
- Researcher and student exchange with partner center
- Joint concept notes with partner center
- KKN & EH
- 2nd regional EH Symposium planned

CMU

- Involved in various regional One Health/EH activities
- VPHCAP – FU Berlin
 - EH related topic for 1 student
- Researcher and student exchange with partner centers
- Joint concept notes with partner centers
- EH capacity provider for other projects
- 2nd regional EH Symposium planned



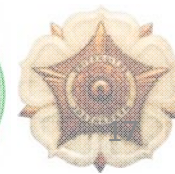
Observations and lessons learned

- **Dean level open for the idea** (precondition for success)
- **Build up on existing linkages** (which worked already in the past)
- **Provide a solid background on EcoHealth**
- **Keep it pragmatic/doable**
- Learning by doing – **case studies**
- **Target strong incentives** “peer reviewed” publications, this should be not compromised
- **Available human resources** a limiting factor
- **“Intra institutional” funding mechanism** needs consideration and certain flexibility



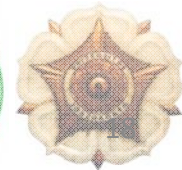
Observations and lessons learned

- Ensure a **continued research interest** for each researcher/faculty
- Accept that you may loose some researchers on the way, **focus on a rather small but active group**
- **Community** involvement
 - Strong in both centers
- **Qualitative meets quantitative research**
 - Still expandable at both centers
 - Use of qualitative tools remains a challenge
- **Ensure the right direction**
 - EH related activities should be regular revisited to ensure that you are on the right track



Final reflections

- Both centers operate independent from initial seed funding
- Time commitment of key researchers is a challenge
 - Allocate sufficient human resources
- Monitor EcoHealth uptake
- Policy level involvement/recognition
- Funding for EH research
- Provide sufficient time for change of mindsets (e.g. qualitative versus quantitative research)





THANK YOU