

ECΘHEALTH



**South East Asia One Health University Network
(SEAOHUN):
a regional network for One Health capacity building**

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Emerging Pandemic Threats Program

PREDICT • RESPOND • PREVENT • IDENTIFY



Content



- Overview of EPT program
- South East Asia One Health University Network (SEAOHUN)
- SEAOHUN activities and ways forward

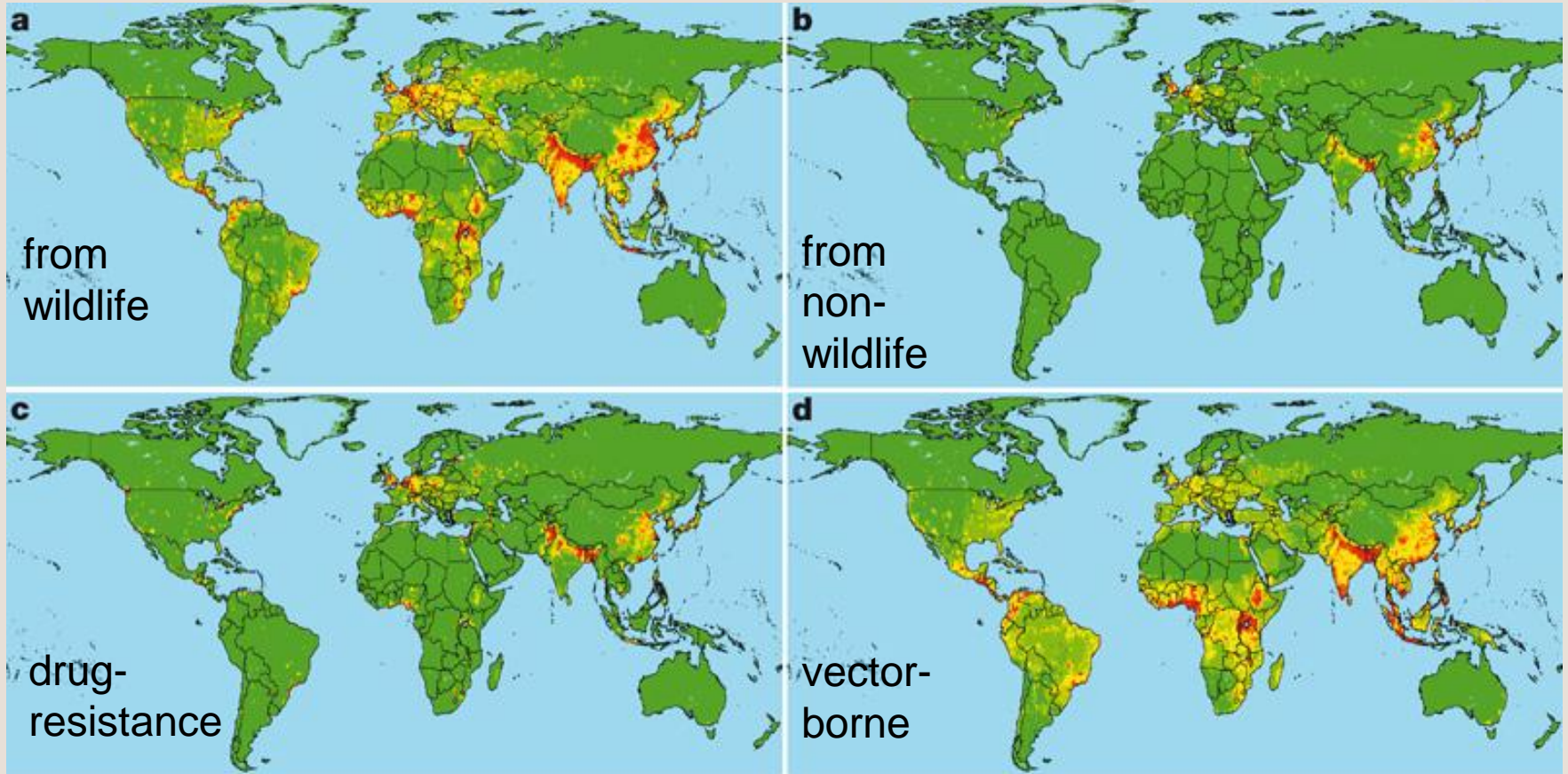
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Infectious Disease Emergence at Global level



Jones *et al* – *Nature* - 2008

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Challenges



- 75% of all new, emerging, or reemerging diseases affecting humans at the beginning of the 21st century have originated in animals.
- Global impact of new emergent diseases include HIV/AIDS, severe acute respiratory syndrome (SARS), H5N1 avian influenza, and the pandemic 2009 H1N1 influenza virus
- Serious public health, economic, and development concerns

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Infectious Disease Emergence at Global level

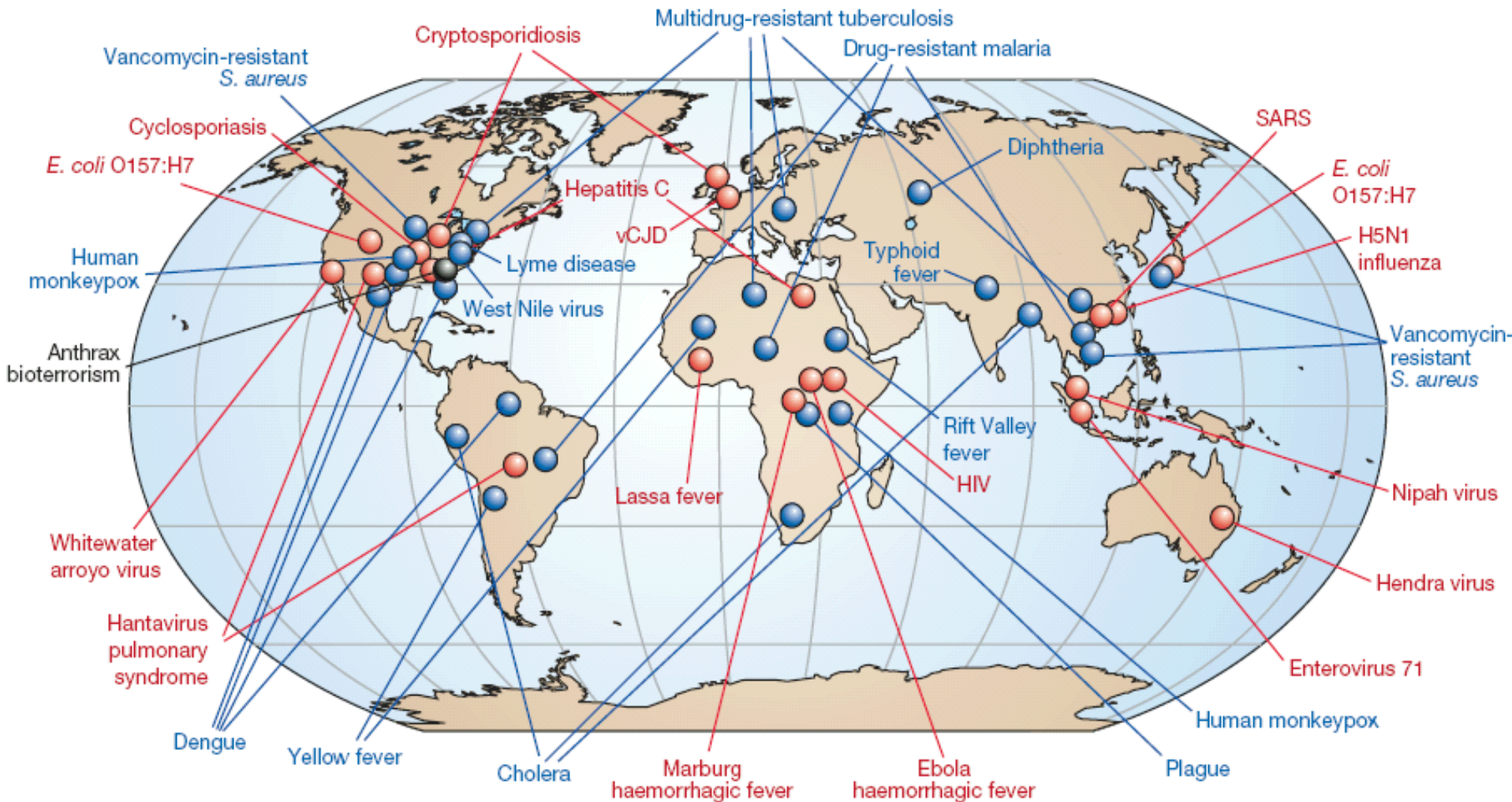


Figure 1 Global examples of emerging and re-emerging infectious diseases, some of which are discussed in the main text. Red represents newly emerging diseases; blue, re-emerging/resurging diseases; black, a 'deliberately emerging' disease. Adapted, with permission, from ref. 23.

Challenges



- SEA region needs strong capacity to respond to future EVD challenges.
- Strengthening the capacity of professionals working in the human, animal and environmental health sectors to respond to, control and prevent outbreaks of EVD is vital.
- **Emerging Pandemic Threats (EPT) program** of USAID

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RESPOND's SE Asian Programs



The goal of RESPOND is to strengthen emerging infectious disease outbreak response capacity across government and non-government sectors

Two main regional programs:

1. University networking and capacity building (SEAOHUN – South East Asia One Health University Network)
2. Government in-service capacity building (working with FETPs and other field epidemiology programs)

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SEAOHUN

South East Asia One Health
University Network



South East Asia Universities One Health Network Inaugural Meeting in Bangkok, Thailand 24-26 May 2011



SEAOHUN Core Universities



Hanoi School of Public Health



Hanoi Medical University



Hanoi University of Agriculture



Chiang Mai University



Mahidol University



Universiti Kebangsaan Malaysia



Universiti Putra Malaysia



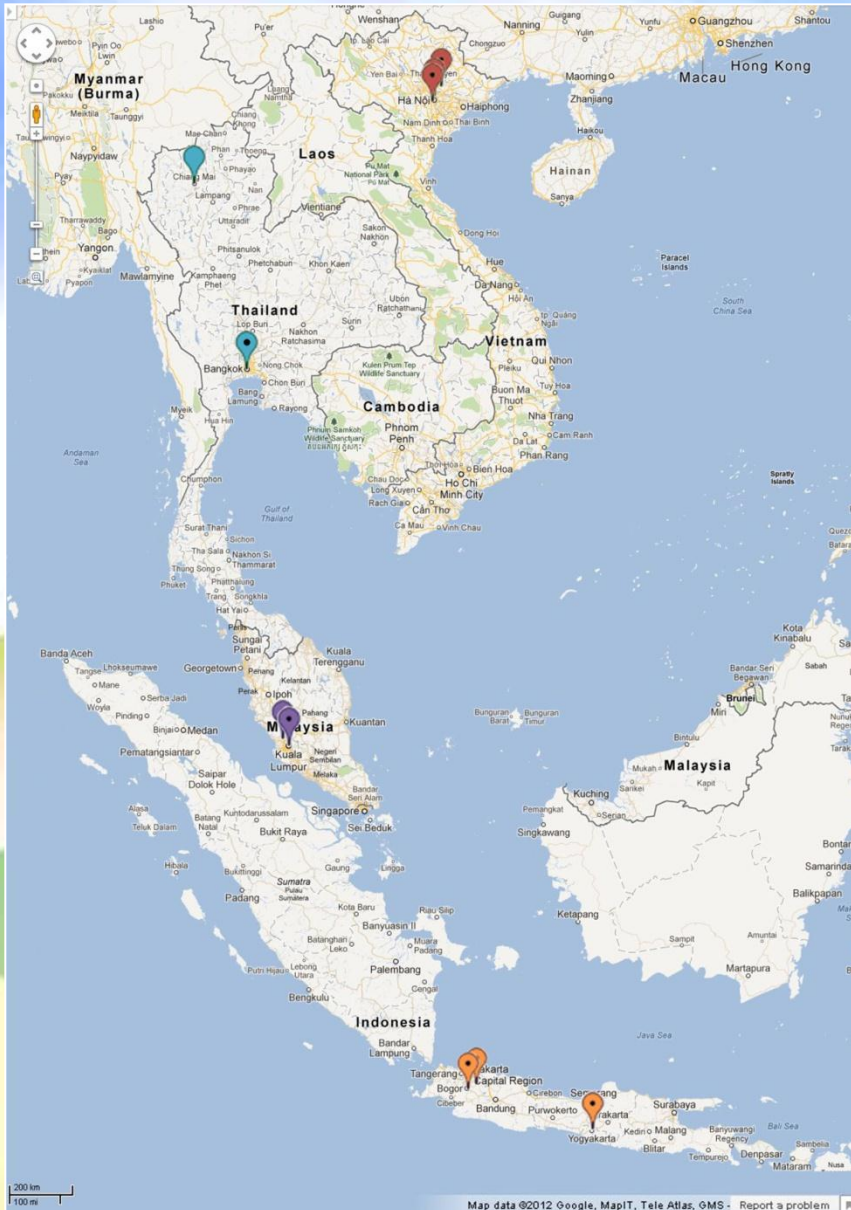
Institut Pertanian Bogor



Universitas Indonesia



Universitas Gadjah Mada



4 countries/10 universities/14 faculties

SEAOHUN Vision and Mission

Vision

A South East Asia One Health University Network fostering sustainable trans-disciplinary capacity building to respond to emerging and re-emerging infectious and zoonotic diseases

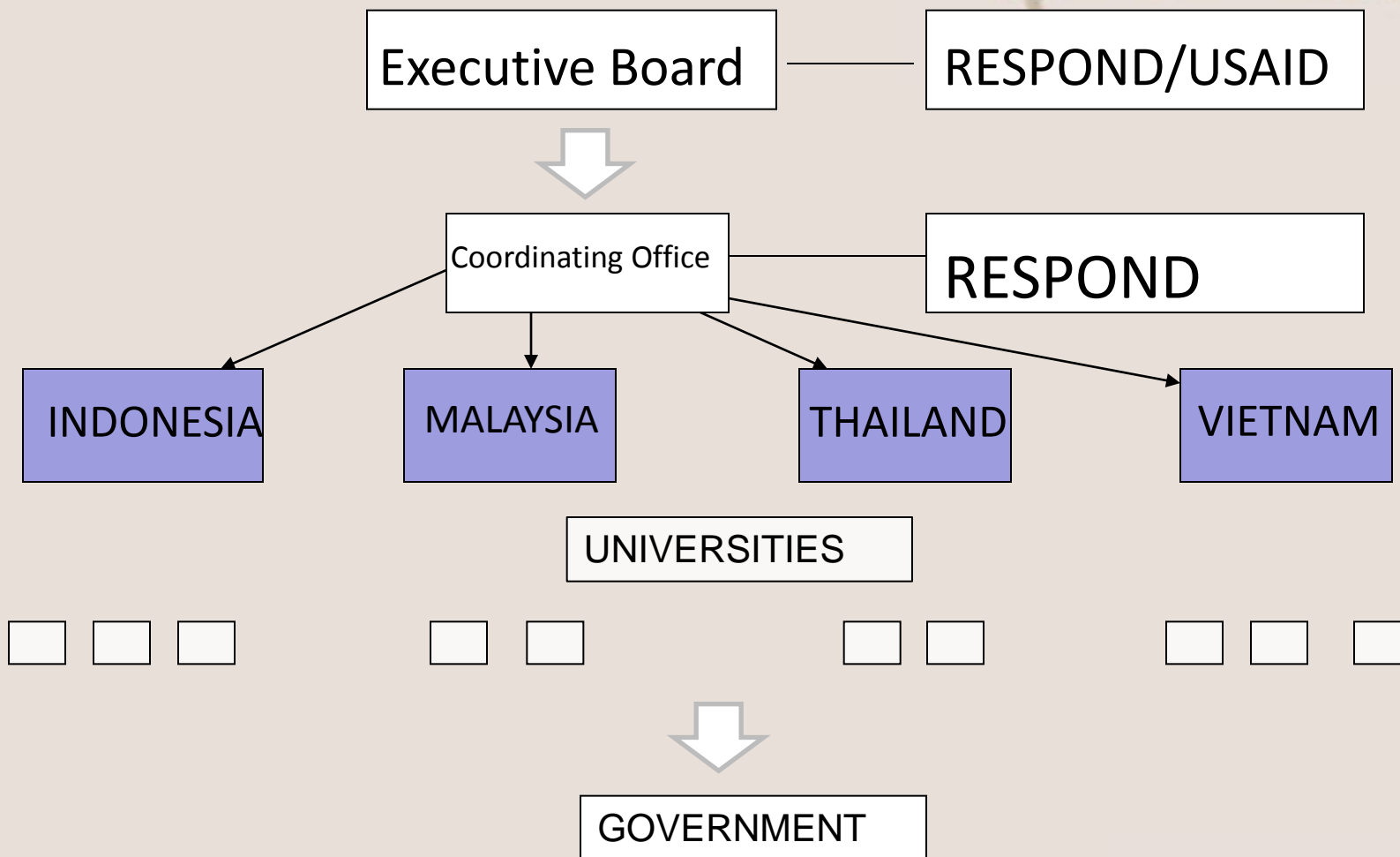
Mission

To leverage the training, education, and research capacities of the university network to build the skills, knowledge and attitude base for One Health leaders

SEAOHUN Objectives

- 1.To promote and advance the One Health approach for control of emerging and re-emerging infectious and zoonotic diseases
- 2.To improve the competencies of One Health professionals
- 3.To build a One Health evidence base through research activity
4. To build cadres of trained professionals to be One Health current and future leaders

Network Structure



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National One Health University Networks



- Each of the four countries has subsequently set up a National Network (**INDOHUN**, MYOHUN, THOHUN, VOHUN) to share and disseminate the benefits of the regional network – SEAHOHUN
- These involve multiple faculties within each country who are involved in educating professionals in the skills required to support the One Health approach
- National Network Coordinating capacity is being established in regional faculties (**INDOHUN – University of Indonesia, Faculty of Public Health**)

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Vietnam One Health University Network (VOHUN)



- Established 22 November 2011
- Coordination office: HSPH
- Expanded network to other universities in Vietnam

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Bac Giang Agriculture and Forestry University

Thai Nguyen University:
• College of Medicine
• College of Agriculture & Forestry

Hanoi (Network Secretariat):
• Hanoi School of Public Health
• Hanoi Medical University
• Hanoi University of Agriculture

Hai Phong Medical University

Hue University:
• College of Medicine and Pharmacy
• College of Agriculture and Forestry

Thai Binh University of Medicine

Nam Dinh University of Nursing

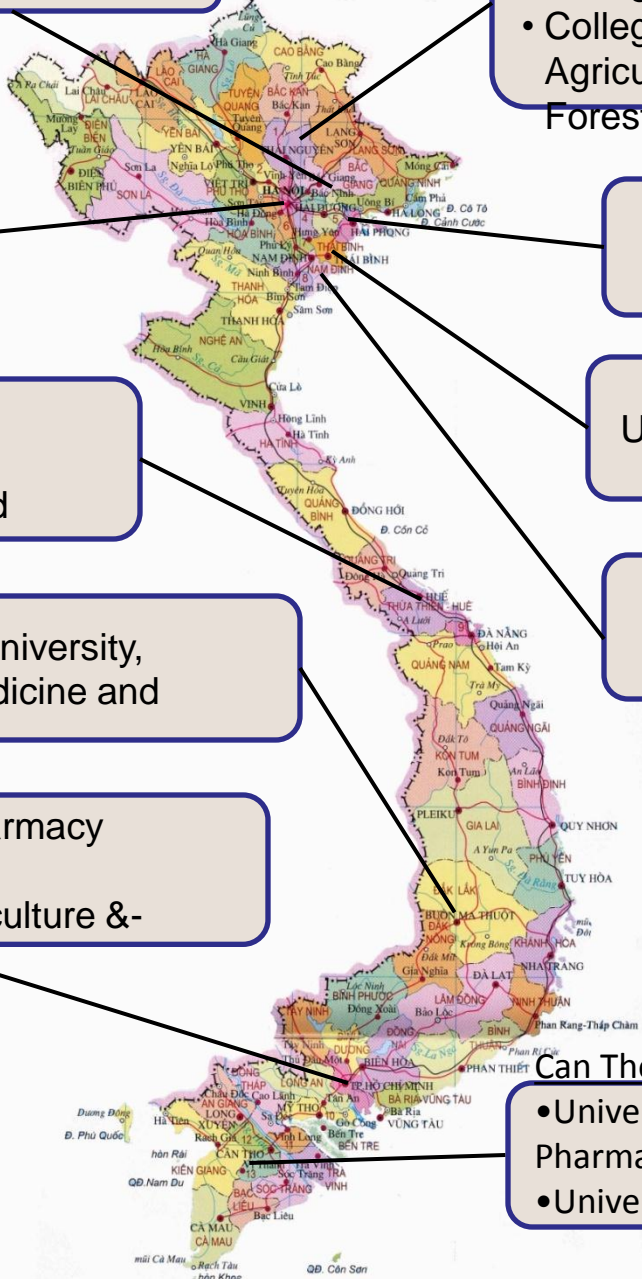
15 UNIVERSITIES/FACULTIES (NOVEMBER 2011)

Dak Lak:
Tay Nguyen University, Faculty of Medicine and Pharmacy

Hochiminh City:
• HCMC Medicine and Pharmacy University;
• HCMC University of Agriculture & Forestry

Can Tho
• University of Medicine & Pharmacy
• University of agriculture

VIETNAM ONE HEALTH UNIVERSITY NETWORK (VOHUN)



Emerging Zoonotic Diseases Course



- Participants from university members
- International and national trainers
- 1 extensive week
- Good interaction and evaluation



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One Health Core Competencies development

- Participants from university members
- International and national trainers
- 1 extensive week
- Good interaction and evaluation

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Other planned activities for future



- **Strengthening teaching and learning methodologies**
- **National and Regional Government Advocacy**
- **Research combined with training**
- **Challenges**

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Thank you!



- INDOHUN
- SEAOHUN
- VOHUN
- MYOHUN



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