

**“Beyond Zoonoses: One World - One Health, *The Threat of Emerging Diseases to Human Security and Conservation, and the Implications for Public Policy*”**

November 15, 2004

Ministry of Public Health

Bangkok, Thailand

**Meeting Notes**

A one-day workshop, hosted by the Thai Ministry of Public health, was devoted to mapping out the links between animal health, conservation and human security, and to identifying creative approaches to protecting the health of people, animals, and ecosystems.

We are grateful to the Thai Ministry of Public Health for providing a venue for this forum and for co-sponsoring this workshop organized by the Wildlife Conservation Society, the IUCN Commission on Environmental Law, the IUCN Veterinary Specialist Group, the IUCN Commission on Environmental, Economic and Social Policy, the International Institute for Sustainable Development, the Center for Environmental Legal Studies of Pace University School of Law, and Asia - Pacific Centre for Environmental Law at the National University of Singapore, and the U.S. Centers for Disease Control.

**Day's Agenda**

*Dr. Kitti Kitti-amphol – Deputy Director - General, Department of Disease Control*  
Welcome and opening remarks

*Dr. William B. Karesh (Workshop Chair) - speaker introductions followed by presentations:*

Avian Flu and SARS: The Policy and Legal Challenges of Zoonotic Disease. *Professor KOH Kheng-Lian, National University of Singapore, Singapore, Director, Asia- Pacific Centre for Environmental Law; IUCN CEL Regional Vice Chair for South East Asia*

Avian Influenza and SARS - Human and Animal health impacts, the future of control and prevention. *Dr. Scott Dowell, Director of International Emerging Infections Program, U.S. Centers for Disease Control, Thailand*

Historical perspective on Foot and Mouth Disease, distribution in region, impacts on livestock, wildlife, and human livelihoods. *Dr. Ronello Abila, Regional Coordinator FMD Disease Campaign, Office des International Epizootics (OIE-RCU), Bangkok, Thailand*

Economic analysis of impacts of Avian Influenza, SARS, FMD and other infectious disease outbreaks. *Dr. James Newcomb, Vice-President, Bio-Economics Research Group, Cambridge, MA 02138 USA*

Disease implications on wildlife and from the wildlife trade - possible solutions *Dr. William B. Karesh, Co-Chair, IUCN SSC Veterinary Specialist Group, Director, Field Veterinary Program, Wildlife Conservation Society*

Wildlife trade and live animal markets in Asia: a regional perspective. *Dr. Craig Kirkpatrick, Director TRAFFIC Southeast Asia*

Linkages Among Health, Policy, and Security. *Dr. Lance L. Simpson, Professor of Medicine and Chief, Division of Occupational and Environmental Health Sciences, Department of Medicine, Jefferson Medical College, Philadelphia, PA, USA*

Security in the 21st Century: The challenge of transnational threat systems, *Dr. Richard Matthew, Associate Professor, Departments of Planning, Policy and Design and Political Science and Director, Center for Unconventional Security Affairs, University of California-Irvine, Irvine, CA, USA*

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*Jason Switzer (Workshop Chair)* facilitated open group discussion:

How do we provide organizational structure for a working group that can continue to work on animal /human health issues?

There is a national working group that includes health, agriculture and environment in Thailand, how can we help these groups work together to best create and implement animal/human health policies that will help to confront issues like AI in the region?

#### General Initial Steps

- Form a policy working group – existing / implementation, ASEAN + 3
- Identify roles for the private sector
- Identify potential wild animal livestock interactions of concern
- Link working group with Development Assistance programs
- Link working group with Animal trade offices
- Design concrete institutional outcomes

#### Creating new linkages

- Interdisciplinary associations (include Ph.D. ecologists, etc.)
  - Emphasize on-going communication
  - Encourage information sharing
- Fundraising, create a new paradigm – work with ASEAN, ADB, countries
- Formalizing interdisciplinary efforts
  - Institutionalize efforts to make more effective over the long term
  - Emphasize benefits of working together
  - Create organizational structure
- Demonstrate linkages between animal and human health
- Group within ASEAN
  - Suggest creation of a wildlife rapid response group
  - Suggest creation of a mandate to link wildlife disease
  - Suggest creation of a disease implementation system

### Detailed Steps

1. Inform ABD, ASEAN of these ideas
2. Connect international Organizations, global response groups (FAO, WHO, OIE), Singapore Nature Society
3. ASEAN working groups (Assist these groups in working together)
  - a. Nature, Biodiversity and Conservation
  - b. Livestock
  - c. Human Health

### *ASEAN meeting*

1. Present recommendations to ASEAN technical working group to unify human, wildlife and domestic animal divisions
2. Draft 2 sentences to present to ASEAN
3. Use avian influenza as a model
4. Involve wildlife health epidemiologist and ecologists
5. Provide a presentation / program at meeting to emphasize capacity building

Letter presented to Drs. Darika and Abila

### Recommendation to ASEAN

A one-day workshop was held on November 15, 2004 at the Thai Ministry of Public Health, entitled Beyond Zoonoses: One World - One Health, The Threat of Emerging Diseases to Human Security and Conservation, and the Implications for Public Policy. The meeting was devoted to mapping out the links between animal health, conservation and human security, and to identifying creative approaches to protecting the health of people, animals, and ecosystems.

The meeting was informed of the existing efforts of the ASEAN working groups on human health and animal health to control avian influenza in the region. It was identified that inclusion of experts from the disciplines of wildlife ecology and wildlife health to these ASEAN Working Groups would benefit to better understanding in preventing and controlling avian influenza in a regional scale. A permanent linkage among these working groups with expertise from wildlife ecology and wildlife health would significantly enhance policy efforts to prevent and control this and other emerging diseases in the future.

### Formation of Emerging Diseases Policy Working group

- Implementation - We would like to see the issues presented in the IUCN resolution become part of the larger mandate of the organization and thus reflected in the budget.
- Short term –create a partnership  
FAO has funding for a meeting about AI in their budget–this venue could provide the longer term ‘home’ for these issues. This could stimulate a collaboration with WHO, FAO and OIE. Idea: develop specific activities on AI, which is currently an important topic, follow up with work on other zoonotic diseases.
  - Long term – Emerging Infectious Disease group with in IUCN

- Focus on lessons learned, and develop appropriate future directions
- Support IUCN Inter-commission collaboration
- Composition of Working group – Holistic
  - Wildlife ecologists
  - Wildlife epidemiologists
  - Disease Control
  - Molecular virologist
  - Molecular epidemiologist
  - Economist
  - Anthropologist
  - Government
  - Environmental lawyer
  - Security / human rights specialist
- CHAIR chosen by FAO*
- Global Wildlife Surveillance database- web based, comprehensive, integrated, and accessible
- Institutional framework (CDC, WHO, FAO)
- Support One Animal, One Policy unified trade policy

*GOALS for Emerging Disease Working Group*

1. Emerging Disease understanding
2. Underscore social networks – trade, livelihoods
3. Meld science, social and medical anthropology for workable policy solutions and social, economic and political interventions
4. Proposal written by IISD  
IISD will help put together a proposal to help implement a multi-commission, multi-organizational group to look at these issues.

Private sector solutions

- Organize roundtable (summit)
  - Corporate participants
  - Bio-era will assist
  - Determine corporate exposure to global disease risk
  - Uphold One World, One Health theme

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