



Asia Partnership on Emerging Infectious Diseases Research

APEIR Secretariat

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ACTIVITY SUMMARY REPORT Strengthening APEIR's Role in the ASEAN and China Emerging Infectious Disease Research 28 July 2017, Century Park Hotel, Indonesia

Introduction

The event was conducted at Century Park Hotel in Indonesia, on 28 – 29 July 2017. The main objectives of the meeting were to incorporate APEIR's research dissemination panel, discussion among ASEAN country members, and the ASEAN Secretariat as the South East Asia's formal institution to advise the regional partnership legalization, and APEIR internal meeting.

Participants to the meeting were SC members, representatives of three regional research groups, Ministry of Health Republic of Indonesia, Ministry of Agriculture Republic of Indonesia, development partners, and secretariat staffs (see Annex 2 for a list of participants).

The meeting was chaired by Prof. Amin Soebandrio, chair of SC, and two other SC members consist of Prof. Qiyong Liu and Dr. Teng Srey. Below are highlights of the discussions and decisions made on main items:

Introduction of APEIR Research during 2013 - 2016

Prof. Qiyong Liu and Dr. Teng Srey presented the Introduction of APEIR Research during 2013 – 2016 to the representatives of Government of Indonesia and development partners. The presentation synthesized the historical events since the formation of APEIR, and highlighted the current status on current projects. The session then being continued by each representatives of three research groups to explain current progress and research finding to the participants.

AMR Research Report

Dr. Suwit Chotinan, from Faculty of Veterinary Medicine, Chiang Mai University became the representatives of AMR Research Group to present their report entitled “Ecohealth Approach to Develop a Strategy for the Prudent Use of Antimicrobials to Control AMR in Human, Animal, and Environmental Health in Asia”. This research was conducted in Indonesia, Thailand, Lao PDR, Vietnam, and China. Some countries are still finishing both financial and technical report to IDRC. They are suggested to publish regional finding to relevant scientific journal, as well as approach ASEAN to advocate AMR regional policy.

Wildlife Research Report

Dr. Witthawat Wiriyarat, from Faculty of Veterinary Science, Mahidol University became the representatives of Wildlife Research Group to present their report entitled “Surveillance of Emerging Infectious Diseases in Wildlife Trade to Increase Awareness for Zoonoses Prevention and Wildlife Conservation”. This research was conducted in Cambodia, China, Lao PDR, Thailand, and Vietnam. China team has published the research finding on Nature and Virologica Sinica, while the rest of the teams are still processing for publication. This research strengthens regional capacity for zoonoses surveillance in wildlife.

Biosecurity Research Report

Prof. Prasit Palittapongarnpim from Faculty of Science, Mahidol University became the representatives of Biosecurity Research Group to present their research progress entitled “Mitigating Biosecurity Threats in Southeast Asia”. This research was conducted in Thailand, Lao PDR, and Vietnam, with main activities consist of research, surveillance, and training. They are now analyzing the collected data and plan to continue further study related to social economic and KAP aspect.

Breakout Session: AMR and Food Security in South East Asia

Prof. Wiku Adisasmito lead the breakout session by briefly presented overview of AMR, Food Safety, and Food Security in South East Asia. Through this session, APEIR tried to gather opinion from the participants regarding current problems, and relevant stakeholders to respond the issues in South East Asia. The participants were divided into two smaller groups to discuss above questions, and share their opinion to the other. The summary of discussion are listed below:

Factors contribute to AMR:

1. Free trading and migration of livestock and wildlife lead to disease transmission from animal to human.
2. Tourism activity increases the possibility of AMR pathogen spread from other regions.
3. Antibiotics becoming ineffective at treating infections.
4. Stronger antibiotics and better treatments demand high price.
5. Imprudent use of antibiotics and no law enforcement.
6. No Antibiotics Monitoring Program on animal health sector.
7. Lack evidence of AMR cross transmission between animal and human.

Potential Research Topics:

1. Success factors of Thailand and Vietnam on AGP banning from animal health sectors.
2. Economic imperatives of the factors on antibiotics use in farming system.
3. Monitoring AMR carried in people contributed by consumption of animal products across countries.

Relevant Stakeholders:

1. Universities:
 - a. Agriculture faculties
 - b. Medical faculties
2. Research Institution
3. Government Sectors:
 - a. Chinese Academy of Science
 - b. Chinese Academy of Medical Science
 - c. Chinese Academy of Agriculture
 - d. Ministry of Science and Technology, Vietnam
 - e. NATIF, Vietnam
 - f. Ministry of Science and Technology, Indonesia,
 - g. National Institute of Health Research and Development, Indonesia
 - h. NSTDA, Thailand
 - i. HSRI, Thailand
4. Development Partners:
 - a. USAID
 - b. FAO
 - c. WHO
 - d. Wellcome Trust
 - e. Newton Fund
 - f. UK MRC

- g. ASEAN Secretariat
- h. US CDC
- 5. Private Partners:
 - a. Samsung, Vietnam,
 - b. Elanco

ANNEXES

Annex 1: Meeting Agenda

DAY 1: FRIDAY 28 JULY 2017		
Time	Activity	Facilitator
08.30 - 09.00 (30')	Registration	Secretariat
09.00 - 09.35 (35')	<p>Welcoming remark from Steering Committee Acting Chairman</p> <p>Introduction among participants</p>	<p>Prof. Amin Soebandrio, <i>Director of Eijkman Institute, Indonesia</i></p>
09.35 - 09.45 (10')	<p>Introduction of APEIR Research 2013- 2016</p> <p><i>“Sustaining and Strengthening Capacity of Regional Networks and Partnership to Respond Emerging Infectious Diseases in Asia”</i></p>	<p>Qiyong Liu & Teng Srey</p> <ol style="list-style-type: none"> 1. Prof. Qiyong Liu, <i>Assistant Director of National Institute for Communicable Diseases Control and Prevention- China and APEIR Steering Committee Member</i> 2. Dr. Teng Srey, <i>Vice-Director of Communicable Disease Control Department Ministry of Health- Cambodia, and APEIR Steering Committee</i> <p>TOR:</p> <p>In the past 3 years, APEIR’s network maintained a timely significant collaborative research work on Antimicrobial Resistance (AMR), Wildlife Trade and Biosecurity. Each of the</p>

		<p>representative will conclude the research as a regional finding with a perspective of APEIR's role in responding to South East Asia and China's emerging infectious disease.</p> <p>Main Questions :</p> <ol style="list-style-type: none"> 1. What are the main problem in responding to SEA and China's EIDs? 2. According to those problems, what are the research objectives? 3. What are the research findings and how does it influence the national policy in each country and the regional partnership?
09.45 - 10.05 (20')	<p>Research Presentation:</p> <p><i>An Ecohealth Approach to Develop a Strategy for the Prudent Use of Antimicrobials to Control Antimicrobial Resistance in Human, Animal, and Environmental Health in Asia (AMR)</i></p>	<p>Asst. Prof. Suwit Chotinan (Representing the regional team of China, Cambodia, Indonesia, Thailand, and Vietnam)</p> <p><i>Chairman of Health and Medicine Cluster Department of Livestock animal clinic, Faculty of Veterinary Medicine, Chiang Mai University, Thailand</i></p>
10.05 - 10.20 (15')	Question and Discussion	Facilitator
10.20 - 10.35 (15')	Coffee Break	Secretariat
10.35 - 10.55 (20')	<p>Research Presentation:</p> <p><i>Surveillance of Emerging Infectious Diseases in Wildlife Trade to Increase Awareness for Zoonosis</i></p>	<p>Dr. Witthawat Wirriyarat (Representing the regional team of Cambodia, China, Lao PDR, Vietnam and Thailand)</p> <p><i>Assistant Professor</i></p>

	<i>Prevention and Wildlife Conservation</i>	<i>Faculty of Veterinary Science, Mahidol University Thailand</i>
10.55 - 11.10 (15')	Question and Discussion	Facilitator
11.10 - 11.30 (20')	Research Presentation: <i>Reducing Biosecurity Threats from Infectious Diseases of Pandemic Potential</i>	Prof. Prasit Palittapongarnpim <i>NSTDA (National Science and Technology Development Agency, Thailand and APEIR Steering Committee Member</i>
11.30 - 11.45 (15')	Question and Discussion	Facilitator
11.45- 11.50 (5')	Photo Session	
11.50 - 13.30 (100')	Lunch Break	Secretariat
13.30- 15.30 (120')	Breakout Session: <i>AMR and Food Security in South East Asia</i>	Prof. Wiku Adisasmito <i>Coordinator of Indonesia One Health University</i> TOR: The AMR and food security connection requires multi-sector collaboration, including in the environment, animal production and health, human health, and food and feed safety to reduce the future health threat. Main Questions: Team A <ul style="list-style-type: none"> • What are the AMR and Food Security Problems in SEA? (including possible future health threat) • What are the recommended solutions? Team B <ul style="list-style-type: none"> • Who are the regional key players to create

		<p>an ideal regional partnership platform in SEA? What are their role? (Including government body, research institution and university, development partners)</p> <p>Expected Outputs:</p> <ol style="list-style-type: none"> 1. AMR and food security problems and solution 2. Regional Partnership Key Players and Role to respond the AMR and the food security challenge
15.30 – 16.00 (30')	Coffee Break	Secretariat
16.00 – 16.30 (30')	Summary	Wiku Adisasmito
16.30 – 16.45 (15')	Closing	Amin Soebandrio
18.30 – 20.30 (120')	Dinner and Briefing Meeting	Amin Soebandrio and Secretariat

Annex 2: List of participants

N o.	Name	Affiliations	Emails Addresses
A	STEERING COMMITTEE		
1	Prof. Wiku Adisasmito	Faculty of Public Health University of Indonesia	wiku.adisasmito@gmail.com
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5	Prof. Qiyong Liu	National Institute for Communicable Diseases Control and Prevention (ICDC)	liuqiyong@icdc.cn

6	Dr. Teng Srey	Communicable Disease Control Department, Ministry of Health Cambodia	Tengsrey72@gmail.com
7	Dr. Le Thi Huong	Hanoi Medical University	huonglehmu@gmail.com
8	Prof. Prasit Palittapongarnpi m	National Science and Technology Development Agency, Thailand	prasit@nstda.or.th
B	RESEARCH REPRESENTATIVES		
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10	Dr. Witthawat Wiriyarat	Mahidol University	witthawat.wir@mahidol.ac.th
C	GOI REPRESENTATIVES		
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