INTERNATIONAL WORKSHOP ON MANAGEMENT AND CONTROL OF IMPORTANT TRANSBOUNDARY ANIMAL DISEASES IN THE ASIAN PACIFIC REGION

The Bayleaf Intramuros Hotel, Muralla St., Intramuros, Manila, Philippines
25 - 29 July 2016
Seminar - Workshop on the Management and Control of Important Transboundary Animal Diseases in the Asian Pacific Region
The Bayleaf Intramuros Hotel, Muralla St., Intramuros, Manila
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RATIONALE

In recent years the world is confronted with significant increase in human population. Sizable annual growth in human population was observed after the 18th century industrial revolution where the world population barely touched the one billion mark. Between the years 1900 and 2000 the increase in world population was three times as great as the increase during the entire previous history of humankind. In just 100 years the world population increased from 1.5 to 6.1 billion (Max Roser, 2015). It is estimated that seven out of ten most populated countries in the world are in Asia with China and India taking in the top 2 spots.

Rapid growth in human population exerts pressure on the livestock sector to provide high-value meat protein. To meet the demand for more food, animal production systems are intensified to achieve significant increase in productivity and production efficiency. However, intensive animal production is seen as a major factor in the emergence and re-emergence of zoonotic diseases. Moreover, intensified globalization became a critical component that facilitated the introduction of transboundary animal diseases. Transboundary Animal Diseases (TADs) are defined as those epidemic diseases which are highly contagious or transmissible and have the potential for very rapid spread, irrespective of national borders, causing serious socio-economic and possibly public health consequences (http://www.fao.org/). Zoonoses and emerging diseases are the two major types of transboundary animal diseases.

TADs pose significant threat to the already fragile food security. The continuous expansion of world trade results to increased movement of animals and animal products in addition to the worsening effects of climate change all contribute to changes in geographical distribution of pathogens and their vectors (Breeze, R.G, 2006). FAO reports that TADs cause high rates of deaths and diseases in animals hence causing socio-economic and sometimes public health consequences while constituting a constant threat to the livelihoods of livestock farmers.

Moreover, the European Food Safety Authority reports that between 30 to 50% of all human infectious diseases are of zoonotic origin, which are transmitted from animals. The World Health Organization (WHO) also reported that about 75% of the new diseases that affect humans over the past 10 years have been caused by pathogens originating from animals or products of animal origin.

Among the negative impacts of zoonosis are: clinical illness in both animals and humans, monetary loss, adverse effect on the morale of personnel, negative publicity and medico-legal implications (Steele, 1980). An estimate made by FAO indicated that 30 million tons of milk is lost annually due to animal diseases. The said volume would have been enough to feed 200 million children with two glasses of milk every day. In general, zoonosis is viewed as a deterrent to socioeconomic development of a country.
The proposed international seminar-workshop is envisioned to gather in one venue experts and country representatives to share recent information and technologies as well as practical experiences in controlling the spread and managing the economic impacts of transboundary animal diseases in the Asia-Pacific Region. Moreover, the proposed seminar-workshop is aimed at gathering critical information that could be used as input to policy formulation or policy reforms for an effective and sustainable monitoring, surveillance and management of TADs. Furthermore, the proposed seminar-workshop that will be participated in by experts from the ASEAN Region, aims to provide a venue for the development of a platform for the alignment of regional strategies and co-operation for the progressive control of transboundary animal diseases at source.

**OBJECTIVES**

1) Provide a venue for discussion of current TADs threats in the region.
2) Create a venue to exchange new information and technologies and practical experiences in monitoring and management of transboundary animal diseases that would promote safe and globalized trading of animal and livestock products
3) Disseminate recent information, technology and systems that would encourage political support for multi-sectoral approaches in monitoring and management of transboundary animal diseases.
4) Create a venue to initiate a national and regional communication mechanisms for collaborative risk assessment.
5) Align national and regional initiatives and strategies against of TADs.

**PROGRAM OF ACTIVITIES**

**Day 1, 25 July 2016 (Mon)**

Arrival of Resources Persons, Guests & Participants

**Day 2, 26 July 2016 (Tue)**

8:30 – 9:00 Opening Ceremony

*Welcome Remarks* .............................................................. **Dr. Edwin C. VILLAR**  
Acting Deputy Executive Director for Research and Development,  
Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)

*Inspirational Message* .......................................................... **Dr. Yu-Tsai HUANG**  
Director, Food and Fertilizer Technology Center (FFTC)  
for the Asian and Pacific Region

**Dr. Reynaldo V. EBORA**  
Acting Executive Director, PCAARRD

**Dr. Yeou-Liang LIN**  
Associate Researcher, AHRI

*Rationale and Objective of the Seminar-Workshop* .... **Dr. Synan S. BAGUIO**  
Officer-in-Charge, Livestock Research Division, PCAARRD
Introduction of Resource Persons, Guest & Participants

Mr. Ronald G. MANGUBAT
Information Officer, FFTC

PLENARY SPEAKERS

9:00 – 9:45 One Health Approach: The Philippine Experience
Dr. Simeon S. AMURAO
Officer-in-Charge, Bureau of Animal Industry, DA

Dr. Hirofumi KUGITA
OIE Regional Representative for Asian and the Pacific Region

Open Forum

10:30 – 11:00 Group Photo/Coffee Break

SEMINAR PAPER PRESENTATIONS

11:00 – 11:45 Intercontinental Spread and Strategies to Control Highly Pathogenic Avian Influenza (HPAI) Outbreaks
Dr. David E. SWAYNE
Laboratory Director, Southeast Poultry Research Laboratory, US National Poultry Research Center, USDA Agriculture Research Service

Open Forum

11:45 – 1:30 Lunch Break

1:30 – 2:15 Evolution and Patho-biological Features of HPAI Viruses
Dr. Ching-Ho WANG
Professor, Institute of Veterinary Medicine, National Taiwan University

Open Forum

2:15 – 3:00 Etiology: Pathogenesis and Epidemiology of Porcine Reproductive and Respiratory Syndrome (PRRS) in the Asian Pacific Region
Dr. Michihiro TAKAGI
Senior Researcher, Viral Disease and Epidemiology Research Division, National Institute of Animal Health, National Agriculture and Food Research Organization (NARO)

Open Forum

3:00 – 3:30 Coffee Break

3:30 – 4:15 Vaccination and Other Strategies to Control PRRS
Dr. Wilfredo P. RESOSO
President, Accredited Swine Breeders Association of the Philippines (ASBAP)

Open Forum

4:15 - 5:00 Synthesis of Day 1: Presentation and Issues Discussed

6:30 - 8:30 PCAARRD Hosted Dinner and Socials
Day 3, 27 July 2016 (Wed)

CONTINUATION of SEMINAR PAPER PRESENTATIONS

8:00 – 8:45 Current Status of Foot and Mouth Disease (FMD) in the Asian Pacific Region .........................................................Dr. Yu QIU
Project Officer, Organisation for Animal Health (OIE)
Sub-Regional Representative Southeast Asia

Open Forum

8:45 – 9:30 Lessons and Strategies to eradicate FMD: The Philippine Experience .........
.............................................................................................................. Dr. Reildrin MORALES
Former Consultant, FAO Regional Office for Asia and the Pacific

Open Forum

9:30 – 10:15 Effective Surveillance Strategies and Rabies Eradication Program..........
...................................................................................... Dr. Mary Elizabeth MIRANDA
Regional Veterinary Consultant, CEO, Epidemiology Training Foundation of the Philippines
and Consultant, Research Institute for Tropical Medicine

Open Forum

10:15 – 10:45 Coffee Break

PRESENTATION COUNTRY REPORTS

10:45 - 11:15 Current Status of Important Transboundary Diseases in Japan ................
.................................................................................................................. Dr. Makoto YAMAKAWA
Director, Exotic Disease Research Station, National Institute of Animal Health, Japan

11:15 - 11:45 Management and Control of Important Transboundary Animal Diseases
in Malaysia......................................................... Dr. Mohd Rosly Bin SHAARI
Deputy Director Animal Science Research Centre, Malaysia Agricultural
Research Institute (MARDI) Headquarters, Sengalor, Malaysia

12:00 - 1:30 Lunch Break

1:30 - 2:00 Current Status of Important Transboundary Animal Diseases in the
Philippines ......................................................... Dr. Ronnie D. DOMINGO
Veterinary Epidemiologist, Bureau of Animal Industry, Department of Agriculture, Philippines

2:00 - 2:30 Current Status of Important Transboundary Diseases in Taiwan ............
.................................................................................................................. Dr. Nien-Nung LIN
Bureau of Animal and Plant Health Inspection and Quarantine (BAPHIQ), Taiwan, ROC

2:30 -3:00 Transboundary Animal Diseases: Our Challenges and Opportunities
.......................................................................................... Dr. Thanawat TIENSIN
Senior Veterinary Officer, Department of Livestock Development
Ministry of Agriculture and Cooperatives, Bangkok, Thailand

3:00 - 3:30 Coffee Break

3:30 - 4:00 Current Status of Important Transboundary Animal Diseases in Vietnam..
.......................................................................................... Dr. Nguyen Viet KHONG
Associate Professor/Deputy Director General,
National Institute of Veterinary Research, Hanoi, Vietnam

4:00 - 4:30 Open Forum
4:30 - 5:00 Synthesis of Presentations and Issues Discussed

5:00 - 5:30 Closing Ceremony

Distribution of Certificates, Plaques and Tokens of Appreciation

Impression (from participant and resource person)

Awarding of Certificate of Participation
and Plaques of Appreciation..............................Dr. Yu-Tsai HUANG
Director, FFTC

Dr. Reynaldo V. EBORA
Acting Executive Director, PCAARRD

Dr. Yeou-Liang LIN
Associate Researcher, AHRI

Send-off Message ........................................Dr. Yu-Tsai HUANG
Director, FFTC

Dr. Reynaldo V. EBORA
Acting Executive Director, PCAARRD

Dr. Yeou-Liang LIN
Associate Researcher, AHRI

Master of Ceremony

Mr. Ronald G. MANGUBAT
Information Officer, FFTC

Day 4, 28 July 2016 (Thu)

8:00 – 9:00 Bound for Research Institute for Tropical Medicine (RITM), Alabang

9:00 – 11:00 Visit and briefing at the RITM

11:00 – 1:00 Lunch @ Cabalen's, SM Mall of Asia

1:00 – 5:00 Cultural Exposure

5:30 – 6:30 Bound for Barbara’s

6:30 – 8:00 Dinner with cultural presentation at Barbara’s

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