Current Applications of One Health and EcoHealth Frameworks in the Philippines

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Antimicrobial Resistance Control Biosafety Researches
Biosecurity Control
Collaboration
Biological Threat Reduction
One Health
Zoonoses Prevention
Coordination
Emerging Diseases Projects
ReEmerging Diseases
Capacity Building
Office of the President
Administrative Order No. 10
(11 April 2011)
Creation of the Philippine Inter-Agency Committee on Zoonoses (PhilICZ)

Functional and sustainable coordination mechanism to strengthen the animal-human health and environment interface for the effective prevention, control and elimination of zoonotic diseases
One Health Coordination

Philippine Inter-Agency Committee on Zoonoses (PhilCZ)...

“Core Group”

- **DOH** (Human Health)
- **DA** (Animal Health)
- **DENR** (Environment)

Meets bi-monthly; two-year rotation of agency host for meetings
One Health Collaboration

RABIES

Republic Act No. 9482 (Anti-Rabies Act of 2007) and Its Implementing Rules and Regulations

Collaboration between the Department of Agriculture (DA) Department of Health (DOH) Department of Interior and Local Government (DILG) and Department of Education (DepEd)
One Health Collaboration

National Rabies Prevention and Control Committee (NRPCC)

NATIONAL RABIES PREVENTION AND CONTROL COMMITTEE (NRPCC)

CHAIR
- Bureau of Animal Industry
  *Department of Agriculture (DA)*

VICE-CHAIR
- Disease Prevention and Control Bureau
  *Department of Health (DOH)*

MEMBERS
- Department of Education (DepED)
- Department of Environment and Natural Resources
- Non-Government Organizations
- People’s Organizations
- Academe
- Local Government Units
- Provincial, City and Municipal Veterinarians League of the Philippines (PCMVLP)
One Health Collaboration

National Rabies Prevention and Control Committee (NRPCC)

Created under Rule 4.1 of the Implementing Rules and Regulations of Republic Act No. 9482 or the “Anti-Rabies Act of 2007”
One Health Collaboration

National Advisory Committee on Animal Disease Emergency and Control (NAC-ADCE)

- Advisory to the Secretary of Agriculture
- Multi-stakeholder group
- Meets monthly at the BAI

Involvement of the DOH-Disease Prevention and Control Bureau (DPCB)
Zoonoses Prevention and Control

Reston Ebola Virus in pigs (2008)


Close collaboration between the Department of Agriculture (DA) and Department of Health (DOH)
Increased demand for pork

Per capita consumption of meats (PORK is highest)

Increase in human population

Increased demand for pork

Intensive swine raising

More land use to give way for the growing swine industry

Increased land development for residential areas
Habitats of bats are disturbed or removed (includes feeding areas and roosting areas)

Bats feed on fruit trees/insects in the farm and roost in the eaves of farm buildings

Pigs constantly exposed to bat droppings and partially-eaten fruits which have fallen down on the ground (with saliva of bats)

Bat feces is laden with virus!

Adaptation => Infection of Ebola Reston Virus in Pigs
Henipavirus in horses (2014)

DENR-Biodiversity Management Bureau, BAI, DOH (Research Institute for Tropical Medicine and National Epidemiology Center), DA-Region 12, DENR-Region 12, Provincial Epidemiology Surveillance Unit and wildlife experts/specialists from the UP Diliman and Wildlife Conservation Society of the Philippines
Zoonoses Prevention and Control

Avian Influenza H5N6 in poultry (2017)
Antimicrobial Resistance (AMR)

Collaboration between the DOH, DA, Department of Science and Technology, Department of Trade and Industry and DILG
“…to improve governance of Veterinary Services to enable them to contribute effectively to achieving the priorities of national government and to help improve animal health and welfare and human health globally”
The OIE Performance of Veterinary Services (PVS) Pathway

Global programme for the sustainable improvement of a country's Veterinary Services' compliance with OIE international standards

« Diagnosis »
- PVS Evaluation
- PVS Gap Analysis

« Prescription »

« Treatment »
- Veterinary Legislation
- Public / Private Partnerships
- Veterinary Education
- Laboratories

(2008)
(2010)
(2016)
(2012)

“One Health” Mission

PVS Pathway Follow-Up Missions

The OIE collaborates with governments, donors and other stakeholders
“...to evaluate country capacity to prevent, detect and rapidly respond to public health threats independently of whether they are naturally occurring, deliberate or accidental”
### Four Core Areas / 19 Technical Areas

**PREVENT**
- National legislation, policy and financing
- IHR coordination, communication and advocacy
- Antimicrobial resistance
- Zoonotic disease
- Food safety
- Biosafety and biosecurity
- Immunization

**DETECT**
- National laboratory system
- Surveillance
- Reporting
- Human resources

**RESPOND**
- Emergency preparedness
- Emergency response operations
- Linking public health and security authorities
- Medical countermeasures and personnel deployment
- Risk communication

**IHR RELATED HAZARDS AND POINTS OF ENTRY**
- Points of entry
- Chemical events
- Radiation emergencies

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**Joint International Health Regulations-Joint External Evaluation (IHR-JEE)**

DA working together with the DOH

**WHO IHR-JEE International Mission (September 9-14, 2018)**
IHR/JEE - PVS National Bridging Workshop (2019)

DOH, DA and DENR to work together
THANK YOU!