THE PHILIPPINES’ EXPERIENCE WITH THE OIE PVS EVALUATION: AQUATIC

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Philippines is an archipelago with more than 7,000 islands.

- 2.2 million sq. km - total territorial water Area (include EEZ)
  - 226,000 sq. km – coastal
  - 1,934,000 sq. km – oceanic
- Coral reef area -27,000 sq km (within the 10-20 fathoms where reef fisheries occur)

Inland Resources:
- Swamplands -246,063 ha (freshwater and brackishwater)
- Existing fishponds -253,854 ha (freshwater and brackishwater)
- Lakes – 200,000 ha
- Rivers - 31,000 ha
- Reservoirs – 19,000 ha

Source: Philippine Fisheries Profile, 2012
Fisheries Contribution to the Economy
(Philippine Fisheries Profile, 2012)

- Accounted for 15.5% (PhP 193.7 billion) and 18.6% (PhP 130.03 billion) of the Gross Value Added (GVA) in Agriculture at current and constant prices
  - largest share next to agricultural crops
- Employed 1,614,368 fishing operators (NSO, 2002)
  - municipal, commercial and aquaculture sectors
- Fisheries export value – 1,010 million US dollars
- Fisheries import value - 290 million US dollars
- Major Export Commodities
  - Tuna, Seaweeds and Shrimp/Prawn
- Other Major Fishery Exports
  - crabs, octopus, squid, grouper, milkfish, ornamental fish
Fisheries Production by Sector (2012)

- Commercial (large scale) – fishing with vessels of more than 3 gross tons
- Municipal (small scale) – fishing without using vessels of 3 gross tons or less
- Aquaculture

Philippine Fisheries Profile, 2012
Species Produced in Aquaculture

<table>
<thead>
<tr>
<th>Species</th>
<th>Quantity (MT)</th>
<th>Percent (%)</th>
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<tbody>
<tr>
<td>Seaweeds</td>
<td>1,751,070.64</td>
<td>68.89</td>
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<tr>
<td>Milkfish</td>
<td>386,728.94</td>
<td>15.21</td>
</tr>
<tr>
<td>Tilapia</td>
<td>260,535.67</td>
<td>10.25</td>
</tr>
<tr>
<td>Shrimps/Prawns</td>
<td>50,853.69</td>
<td>2.00</td>
</tr>
<tr>
<td>Others</td>
<td>92,776.45</td>
<td>3.65</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,541,965.39</strong></td>
<td><strong>100.00</strong></td>
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Philippine Fisheries Profile, 2012
Major Aquatic Animals Produced in Aquaculture

Milkfish

Tilapia

Shrimps
Aquaculture Production

Brackishwater/
Freshwater ponds

Fish pens/fish cage

Mariculture
Diseases/ Health Problems of Aquaculture Species
Aquatic Animal Health Management

Republic Act 8550 (Philippine Fisheries Code of 1998) giving Bureau of Fisheries and Aquatic Resources (BFAR) of the Department of Agriculture the mandate for the development, management and conservation of fisheries and aquatic resources

Fisheries Administrative Orders
Fisheries Office Orders
Memorandum Circulars

Creation of BFAR Fish Health Network to implement aquatic animal health management in the country

Composed of:

- Core Technical Staff of the Fish Health Section of Central Office
- Regional Fish Health Officers of 16 Regional Offices
Organizational Structure and Interrelationship of BFAR Units Involved in the Aquatic Animal Health Services

Legend:

1. FRQD  - Fisheries Regulatory and Quarantine Division
2. FHMQAS  - Fish Health Management and Quality Assurance Section
3. FHMQAL  - Fish Health Management and Quality Assurance Laboratory
4. FTS  - Foreign Trade Section
5. QRTNE  - Quarantine Section
6. FRMD  - Fisheries Resources Management Division
7. LGU  - Local Government Unit
8. FHO  - Fish Health Officer
9. RFHO  - Regional Fish Health Officer
10. RFHU  - Regional Fish Health Unit

Legend:

Communication line between and among units, and between Central and Regional Offices
Organizational Chart: Department of Agriculture

Competent Authority

The SECRETARY of Agriculture

Regional Executive Directors

Undersecretary: Extension, LGU Support and Infrastructure
  - Assistant Secretary: Extension and LGU Support
    - FOS
    - AMAS
      - QGFB
      - NIA
      - ATI
  - Assistant Secretary: AgrBiz, Marketing & Private Investment

Undersecretary: Research and Development
  - CERDAF

Undersecretary: Fisheries
  - BFAR
    - NFRDI
  - PFDA
  - SEAFDEC
  - BAFPS
  - NMIC
  - FPA
  - NSF
  - MAVS

Undersecretary: Finance and Administration
  - Assistant Secretary: Regulation

Undersecretary: Policy and Planning
  - Assistant Secretary: Policy, Planning & Project Devt.

Functional Coordination and Management Structure of the DA as per A.O. #20
Effective 15 May 2000
The quality of AAHS and good governance is vital in the prevention and control in the spread of diseases and facilitation of safe trade.

- OIE support to Member Countries - OIE PVS Evaluation
- Determine the current level of performance of AAHS
- Support to improve the quality of AAHS
- Bureau of Animal Industry (BAI) undergone OIE PVS Evaluation of Veterinary Services

**July 2011** - BFAR requested through the OIE Delegate (BAI) for the OIE PVS Evaluation of AAHS in the Philippines

**May 2012** - OIE Headquarter indicated the proposed dates of Mission (Feb. 4-18, 2013); and Team of Experts
Preparation for the OIE PVS Evaluation

- Creation of BFAR Task Force/Working Group

- Gathering/consolidation and submission of Baseline Documents (data and background information) prior to the Country visit of the OIE Team

- Brief orientation of BFAR key officials re: OIE Country Mission
OI E-PVS Country Mission to the Philippines

February 4-18, 2013

Team Members

Dr. Herbert Scheinder  Dr. Gillian Mylrea  Dr. Geoff Grossel
Objectives

- To evaluate the Aquatic Animal Health Services of the Philippines against the four fundamental components in the OIE PVS Tool: Aquatic
  1. Human, physical and financial resources
  2. Technical authority and capability
  3. Interaction with stakeholders
  4. Access to markets

- Establish the current level of performance, the vision for future development and strategic priorities using the sub-component critical competencies laid down in the PVS tool
OIE PVS Country Mission - Opening Meeting
BFAR Central Office

- Presentation of OIE PVS Evaluation Tool: Aquatic
- Discussion and Finalization of Program/Schedule
Briefing information/session by BFAR

- Administrative Division
- Planning Division
- Finance Division
- Legal Division
- Inland Fisheries and Aquaculture Division
- Fisheries Regulatory and Quarantine Division
- Fisheries Information Management Center
OIE Country Mission - meeting/visit to BFAR Regional Offices

Cordillera Region
- Region I
- Region II
- Region III
- Central Office
- Region IVA
- Region IVB
- Region V
- Region VIII
- Region VI
- Region VII
- Region IX
- ARMM
- Region X
- Region XI
- Region XII
- Region XIII
Laboratory Services

- Central Office
- Region I
- Region III
- Region IVA
- Region VI
- Region VII
- Region X

OIE Country Mission - visit to BFAR Fish Health Labs
OIE Country Mission - visit to BFAR Aquaculture Facilities

- National Fisheries Biological Center
- National Integrated Fisheries Technology Development Center
- National Freshwater Fisheries Technology Center
- Regional Mariculture Technology Development Center
OIE Country Mission – Field visit to Private Aquaculture Farms

- Intensive Milkfish Culture System (cages)
- Tilapia Culture in Taal lake
- Penaeus monodon hatchery
- Penaeus vannamei and Milkfish hatchery
- Intensive shrimp grow-out farm
OIE Country Mission - Meetings

- Philippine Board of Veterinary Medicine
  - Veterinary Statutory Body aspects & licensing proc.
- University of the Philippines
  - College of Fisheries
- Central Luzon State University
  - College of Veterinary Medicine
  - College of Fisheries
- Molecular Biology & Biotechnology lab
- Southeast Asian Fisheries Development Center (SEAFDEC) AQD
OL E Country Mission - meeting with Private Sector and Stakeholders

- Taal Lake Aquaculture Alliance (Tilapia culture)
- Negros Prawn Producers Cooperative
- Phil Shrimp (Shrimp Producers Association)
- Balingasag Milkfish Investors Association
- Aquaculture Feed Miller
- Philippine Tropical Fish Exporters Association
- Philippine Alliance of Seafood Exporters Association
OIE Country Mission – Visit to Border Control and Exporter Facilities

- Manila International Airport
- Manila South Harbor
- Cebu International Airport
- Manila Customs Office
- Fisheries Exporter Processing Plant
- Marine Ornamental Fish Exporter
Presentation of Key Findings and Recommendations
Discussion
Key findings and recommendations provided are valuable in improving the quality of the AAHS to meet OIE standards.

Served as venue to communicate/meeting with other government agencies, research institutions, academe and industry organizations to discuss aquatic animal health issues and concerns.

Increased awareness and appreciation of BFAR key officials and stakeholders regarding OIE and international standards for aquatic animal health.
Impacts of the OIE PVS Evaluation

Some Developments

- Permanent positions are provided for Aquatic Animal Health Services Personnel in BFAR Re-organization (regulatory, inspection, quarantine and fish health officers)

- Creation of permanent Veterinary positions in BFAR Regional Offices (approved by the Department of Budget & Management)

- Capacity building (trainings) of BFAR aquatic animal health personnel

- Strengthening of BFAR Fish Health laboratory services - purchased new equipments, improvement of laboratory facilities

- Technical Committee of Regulatory Board of Veterinary Medicine proposed to Commission on Higher Education - the incorporation of Fish and Aquaculture Medicine and Fish & Aquaculture Production in the Draft Revised Curriculum for Veterinary Medicine
Aquatic Animal Health Services in the Philippines

- Final Report on the OIE PVS Evaluation - established the level of performance of the Philippines Aquatic Animal Health Services, identified the strengths and weaknesses and provided recommendations for improvement

- Request for PVS Gap Analysis Mission
Thank you for your kind attention