

RESPONSE ACTIONS TO AQUATIC ANIMAL DISEASE EMERGENCIES: EARLY MORTALITY SYNDROME (EMS) IN VIETNAM

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1. RIA1 mandates in related to response action to MME

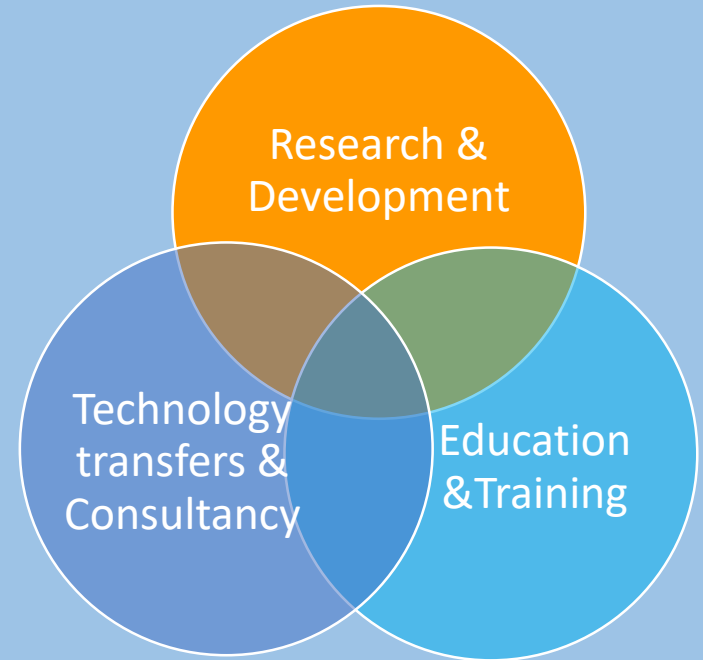


Research Institute for Aquaculture No.1



Research Institute for Aquaculture No. 1 (RIA1)

- Established in 1963
- 3 Departments and 9 centres through out Vietnam
- Research on all aspects in freshwater, brackish water and marine water aquaculture



RIA 1 in response action to AADE

- Research with known and unknown diseases
- Member of National Task Force for AAH
- Participate in response missions to any AADE
- Capacity building for AAH



2. Response to EMS in Vietnam



EMS: a recent case of MME in Vietnam

- Late 2010, Vietnam experienced MME in shrimp culture
- Officially reported in April 2011 Soc Trang province in April 2011.
- Shrimp die in early stage of culture and showed discoloured hepatopancreas with either shrunken or swollen (later called AHPND).
- Infected area was 46,093 ha (45.7% of national shrimp culture area based on the clinical signs)
- Area, production and shrimp export value dropped



Response actions to EMS

- MARD gave full support to the study of the causative agent and the development of prevention strategies to mitigate the disease.
- A National Task Force for Shrimp Disease established with the mandate to identify the causative agent and minimize the problem caused by EMS.
- Approach applied including screening of all possible causes including possible pathogen and environment as well as observing carefully at any farms inside EMS zone that not affected to see initiate prevention ideas.

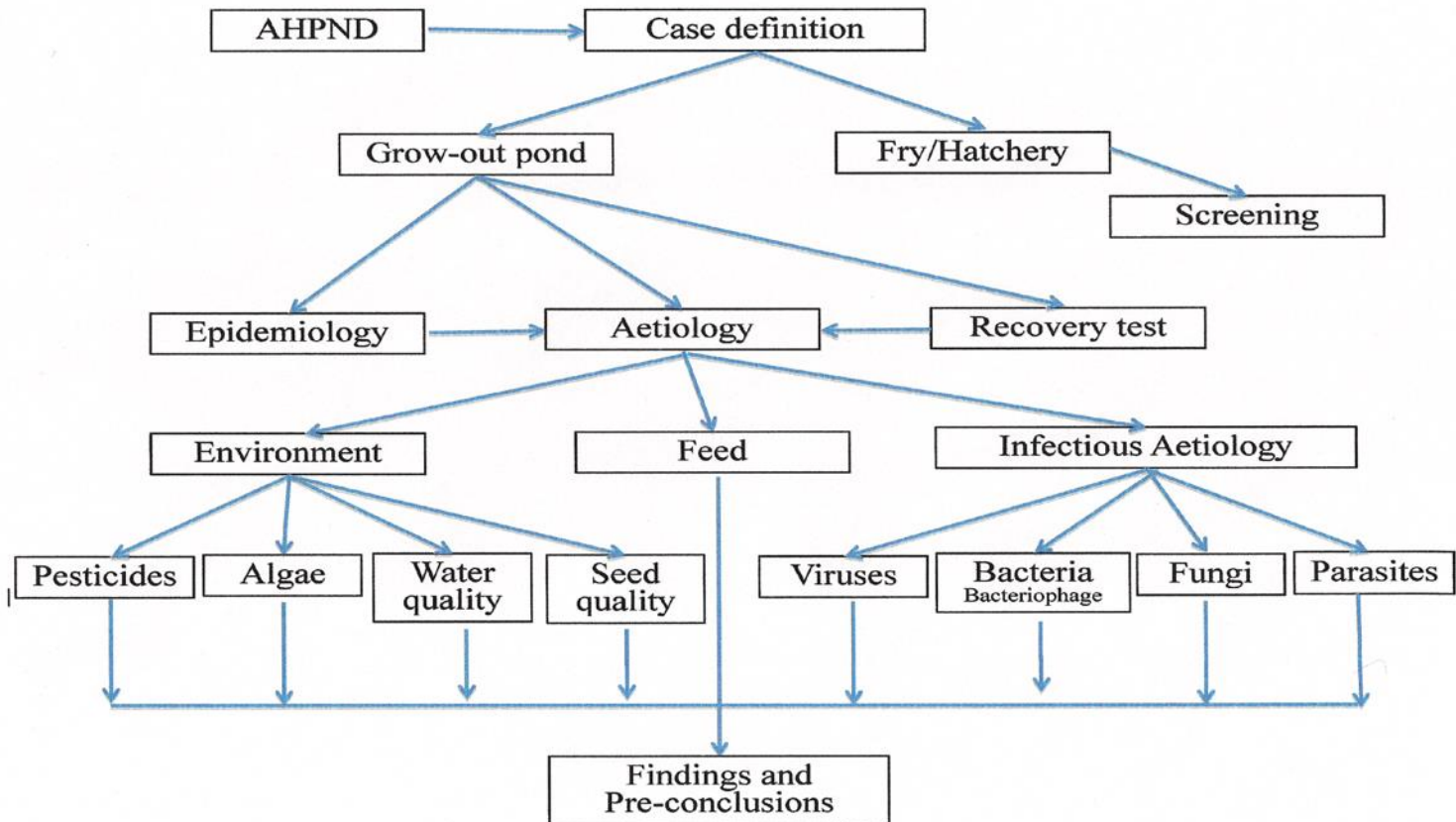
Action taken by authorities and institution

- Establishing the National Task Force for shrimp disease;
- Performing an intensive epidemiological survey;
- Carrying out screening for shrimp pathogens to narrow down the suspected causative agents of EMS;
- Carrying out diagnostic investigations done by national and regional laboratories;
- Distributing water treatment materials/disinfectants to provinces affected by EMS outbreaks;

Action taken by authorities and institution

- Providing funds for emergency research to be done by national institutions and universities
- Seeking the assistance from regional and international organizations.
- Vietnam sent a letter of request for technical assistance to FAO
 - Field visit by Rapid Deployment Team (RDP) of FAO to the Mekong Delta provinces in July 2011
 - Received support from FAO through project TCP/VIE/3304(E) “Emergency assistance to control the spread of an unknown disease affecting shrimps”.

Technical approach response to EMS study



Effectiveness of the response

- The definition of AHPND was developed
- Causative agent was found
- Different prevention measurements were developed and evaluated.
- The shirmp industry now recovered from EMS remain as one of important roles for Vietnam economy.

Follow up action

- Gov. still fund for different projects on more effective prevention approaches and measurements in order to minimized the risk of EMS

Lesion learnt

- Fast communication and fast responses
- Work together and work hard

3. Emergency preparedness response requirements for AADE



5 minimum emergency preparedness response requirements should to be in place

- Timely information on any potential AADE
- Smooth communication
- Consolidate working platform
- Capacity (human and funding)
- International support.

Thank you



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