



# Developing a National Action Plan on TiLV Myanmar

**Session 7 : Day 7 ( Sun, 23 June)**

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# Elements of the NAP on TiLV

- Myanmar aquaculture ( freshwater fish ) – 95%
- Indigenous carp, rohu - around 70 %
- Mrigal and catala carps - 20%
- pangasius, tilapia, grass carp, common and silver carps, bighead carp, snakehead, catfish, sea bass - 10%

( not much intensive )

# Tilapia Farming

- There has an intensive monoculture of Tilapia in Nyaung Thar Village, Bago Township.
- Used half-acre and one –acre ponds, stocked with 10,000 fingerlings per acre.
- To help develop small-scale farming of tilapia, WorldFish has provided quality seed of [Genetically Improved Farmed Tilapia](#) (GIFT) to the Department of Fisheries (DoF) in Myanmar.



## Diagnostic laboratories and competence

- Laboratory of Fish Health Section (Department of fisheries )
- Laboratory of Aquatic Bioscience (University of Yangon)



## Available diagnostic tests

- Checking of presence or absence of disease for imported aquaculture species
- Molecular tests
- Histopathology
- In some cases, in cooperation with Japan



# Surveillance : design and implementation

- Aim of Surveillance
  - To investigate presence/absence of TiLV in wild and farmed fish
  - To secure early detection of TiLV
- Definition of population
  - All susceptible fish species (all stages) in rivers and lakes, Nile tilapia, Mozambique tilapia, blue tilapia.
  - All farmed susceptible fish species.

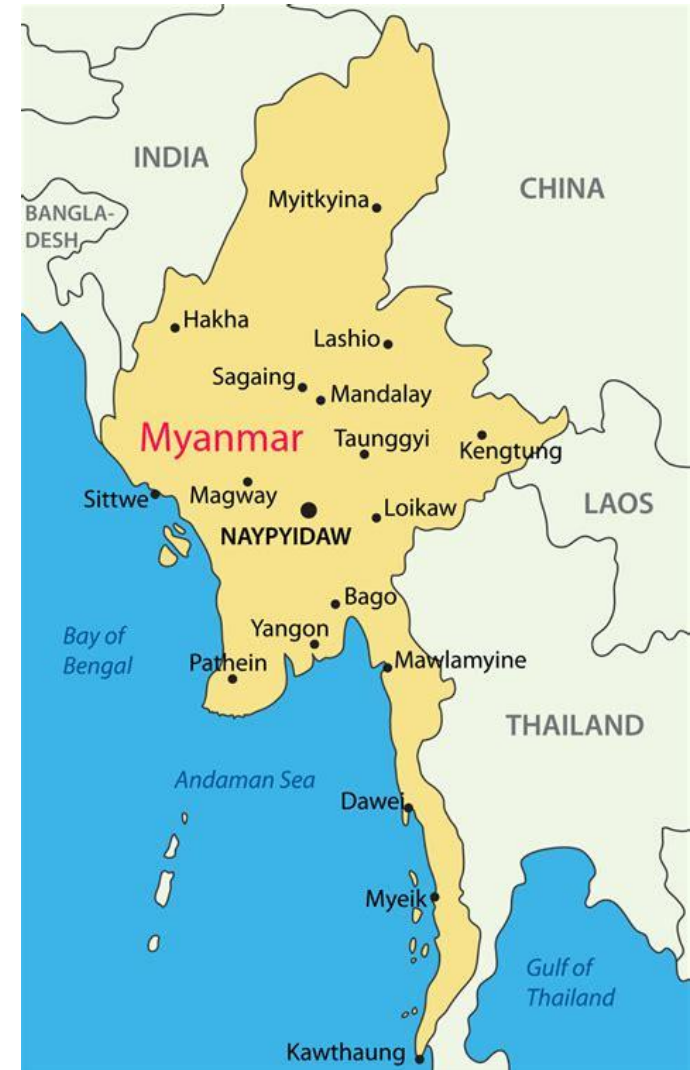


# Case Definition

- **Suspect TiLV case:** positive finding of TiLV pathology in the liver organ.
- **Suspect TiLV location/farm:** **Bago Township**
- **Confirmed TiLV case:** Histopathology or viral isolation or PCR.
- **Confirmed TiLV location/farm:** **None**

## Clustering of Disease

- January to June



# Disease Outbreak Investigation

- Active surveillance
- Communication
- Control measures
- Survey and research
- Collaboration with other organization



# TiLV management and control

- High mortality
  - National level
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- Protecting the entry of TiLV in every aspects
  - Sufficient workers, experts and high techniques for prevention and surveillance
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- According to our government's national plan to improve tilapia culture, developing strategies for disease prevention will be accomplished.



# References

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- FAO 2014
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- <https://repository.seafdec.org.ph/bitstream/handle/10862/1690/Transboundary-Fish-Diseases-Myanmar>

THANK YOU

