











CHECKLIST 1 1 April 2021

Scenario setting

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TCP/INT/3707: Strengthening biosecurity (policy and farm level) governance to deal with Tilapia lake virus

A **scenario** is a specific possibility. When people are wondering what to do, they think of different **scenarios**....

In literature, a **scenario** can mean a summing up of what's going on — what the situation is

Why is scenario planning important?

Helps to build strategic thinking – this means if you know the uncertainties, you will know how to act on it.

Scenario setting is an essential first step when starting to design a surveillance program.

It involves an understanding of the health status of Disease X in a country, zone or farm/compartment.

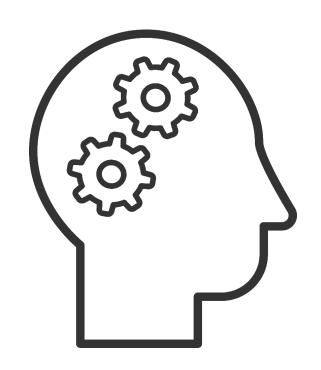
For the purpose of disease surveillance:

Zone: as a portion of a contiguous water system with a distinct health status with respect to certain diseases

Compartment is based on management and biosecurity practices (Zepeda et al. 2008; Corsin et al. 2009; OIE) and includes, in addition to surveillance, other criteria established by the CA of a country and the objectives are to facilitate trade in aquatic animals and their products and as a tool for disease management (Zepeda et al. 2008; Corsin et al. 2009; OIE 2019a).



CHECKLIST 1 Scenario setting



National status of the disease in question; including:

- health status of a specific pathogen in the country
- existence of surveillance activities
- health status of a specific pathogen in neighboring countries and/or trading partners
- health status of a specific pathogen in shared water sheds
- data sources

SCENARIO Three likely scenarios are listed below:

Scenario 1: Infected status: Disease X is present in cultured and/or wild species; as supported by one or morecases reported through existing surveillance or grey and/or peer-reviewed scientific literature. Disease X is officially reported by stakeholders to the Competent Authority (CA) of a country and by the CA to the OIE (in case of OIE-listed diseases) and/or any other existing regional reporting mechanisms (e.g. NACA/FAO/OIE QAAD).

Three likely scenarios are listed below:

Scenario 2: Considered free status: no reported cases of Disease X in previous surveillance activities or peer-reviewed scientific literature. Self-declaration of freedom for Disease X is based on transparent and robust evidence, supported by confidence from trading partners;

Three likely scenarios are listed below:

Scenario 3: Unknown status: there are three possibilities under Scenario 3, namely:

- •(a) No reported cases and no previous surveillance activities for Disease X;
- •(b) Reports of cases of Disease X exist in the grey and/or peer-reviewed scientific literature and/or available information from the private sector but Disease X has not officially been reported to the CA of a country and by the CA to the OIE (in case of OIE-listed diseases) and/or any other existing regional reporting mechanisms (e.g. NACA);
- •(c) No reports of Disease X but neighboring countries with shared water bodies are not considered free.





World Tilapia Aquaculture Production in 2019

2019 Top 20 Tilapia Producers

China

Indonesia

Egypt

Bangladesh

Brazil

Philippines

Viet Nam

Thailand

Colombia

Uganda

Myanmar

Taiwan PRC

Mexico

Ghana

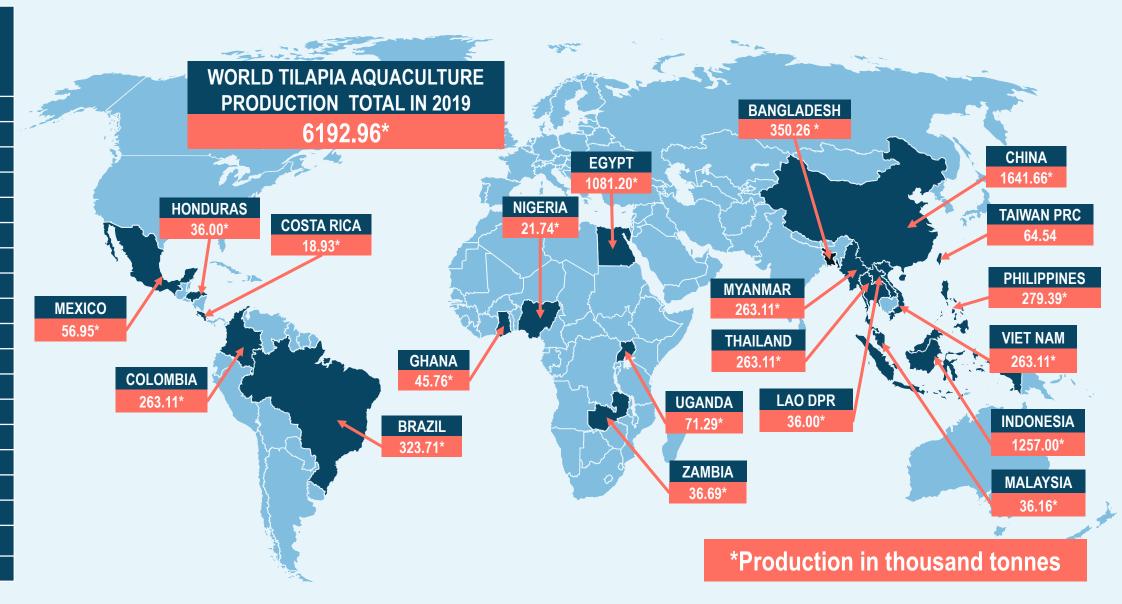
Zambia

Malaysia

Honduras

Lao PDR

Nigeria





Food and Agriculture Organization of the United Nations





High mortality observed in Tilapia: Israel

2011

TiLV detected: Israel

2014

Ecuador, Colombia, Israel

2015

Ecuador, Colombia, Israel, Thailand

2017



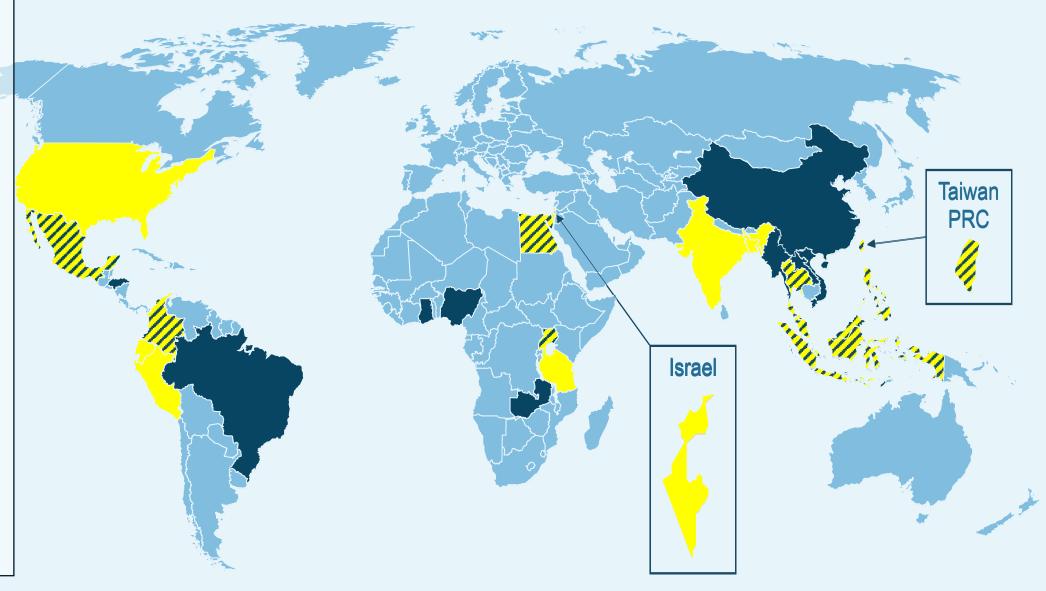
Ecuador, Colombia, Egypt, Israel, Thailand, Philippines, Malaysia, Taiwan PRC,

2018



USA, Mexico, Ecuador, Colombia, Peru, Egypt, Uganda, Tanzania, India, Bangladesh, Thailand, Myanmar, Philippines, Taiwan PRC, Indonesia

TiLV Information



- OIE Notification
 United States of America, Mexico, Peru,
- OIE/ Scientific Literature
 Israel, United States of America,
 Colombia
- Scientific Report/
 Grey Literature
 Ecuador, Columbia, Egypt,
 Uganda, Tanzania, India,
 Bangladesh, Indonesia
- StakeholderInformationVietnam
- Unpublished
 Vietnam

TiLV Data/ Information Sources

Israel

Note: Reported in a country does not indicate the entire country is infected





Thank you for your attention!

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