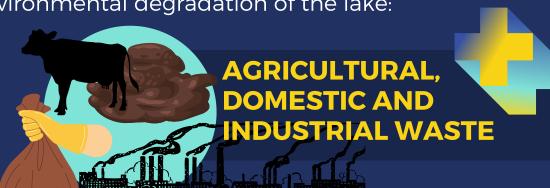
# HOW VULNERABLE IS LAGUNA LAKE TO **POLLUTION?**



In general, the vulnerability of water resources can be water shortage, water pollution, and waterrelated natural crisis such as flood or drought.

> In the case of water pollution and shortage within Laguna Lake, providing appropriate options for pollution abatement technologies is needed in order to improve its water treatment and quality.

Major causes of water shortage and environmental degradation of the lake:





These ecological stresses had affected the lake's water quality resulting to:





increasing ALGAL BIOMASS high level **HEAVY METALS** declining FISH PRODUCTION



### **POLLUTION LOAD**

**Domestic Wastes** 

**Industrial Wastes** 

Agricultural Wastes

Forest Wastes

The Manila Times. (2016, July 31). EcoWaste backs testing of fish from Laguna lake. www.manilatimes.net/2016/07/31/news/national/ecowaste-backs-testing-of-fish-from-laguna-lake/277111/

## <u>About the project</u>

The School of Environmental Science and Management from University of the Philippines is currently implementing the project titled,

"TOOLS AND METHODS IN ESTABLISHING LAKE RESOURCE VULNERABILITY INDEX AND ASSESSING POLLUTION ABATEMENT TECHNOLOGIES TOWARDS A WATER QUALITY IMPROVED LAGUNA LAKE"

#### This project aims to

- Assess the state and vulnerability of the water resource of Laguna Lake
- Determine the appropriate tools and methods in developing lake resource vulnerability index
- Provide options for potential pollution abatement technologies that are cost-effective and socially acceptable

#### End goal

Choose the best tool among pollution abatement technologies suited





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