Discussion notes on "Environmental Contamination of Aquatic Resources: Implications on Health"

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Overview

- The lecture provided a thorough overview of the exposure pathway, from the source of the toxin to the exposed population and local examples (e.g. Laguna de Bay, Bulacan River system)
- Environmental Issues
- Contamination
- Bioaccumulation & Biomagnification
- POPs
- · Detrimental effects on the population
- · Preventive Strategies

Preventive Strategies

Strengthening of agreements and national environmental laws

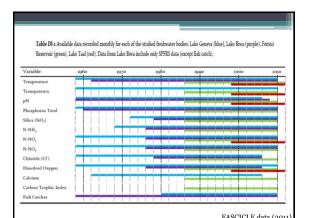
- Philippine environmental laws are some of the most well-crafted in the world
- Implementation problems hound us, and thus allow the unabated contamination of our aquatic ecosystems
- Strengthen the already existing environmental monitoring being conducted to keep us in the know on past and current water quality conditions

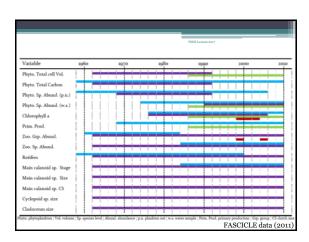
Implement environmental and biological monitoring

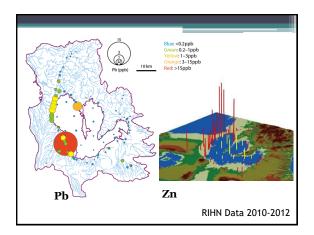
Challenges to Philippine Lakes

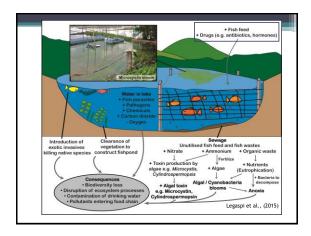
- Lack of scientific knowledge
- Overdevelopment of littoral zones
- Irresponsible, intensive aquaculture
- Excessive nutrient and pollution levels
 Fish kills
- Invasive species
 Biodiversity loss
 - Legaspi et al., 2015









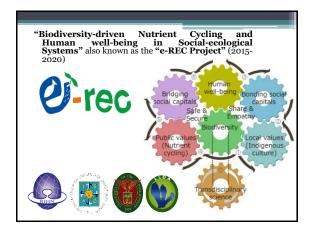


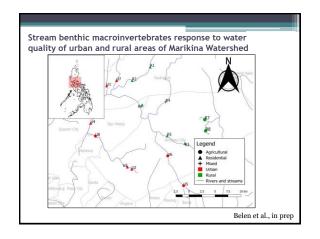
Making the most of what we have: An Example of successful utilization of monitoring data

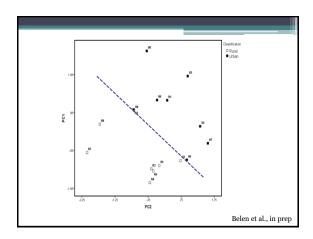


Linking Aquatic Biodiversity and Social Systems

A healthy Aquatic Environment translates to a Health Community







Suggestion to address the gaps in water quality monitoring schemes

