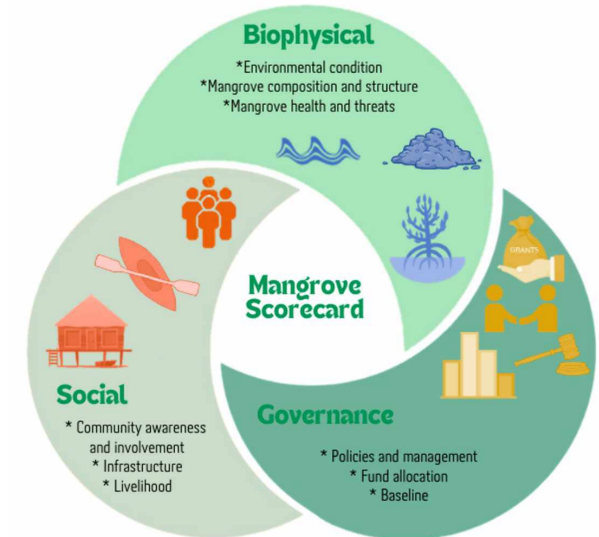


Biodiversity in Philippine Mangroves: Status and Recommendations for the Improvement of Biodiversity Conservation Programs

- PHL mangroves: Biodiversity studies
- Data analytic platform: website
- Plans



Severino G. Salmo III * and Mareah Wayne A. Maramag

sgsalmo@up.edu.ph

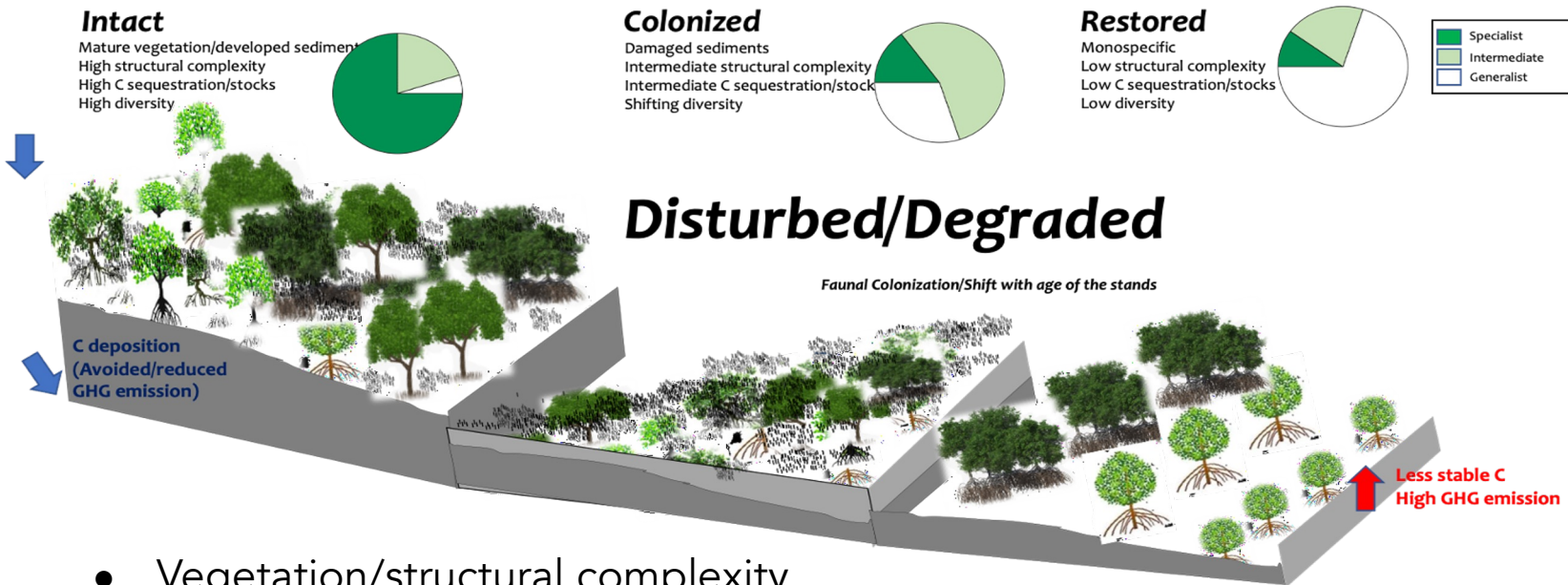


UP BIOLOGY
INSTITUTE OF BIOLOGY
COLLEGE OF SCIENCE
UNIVERSITY OF THE PHILIPPINES DILIMAN

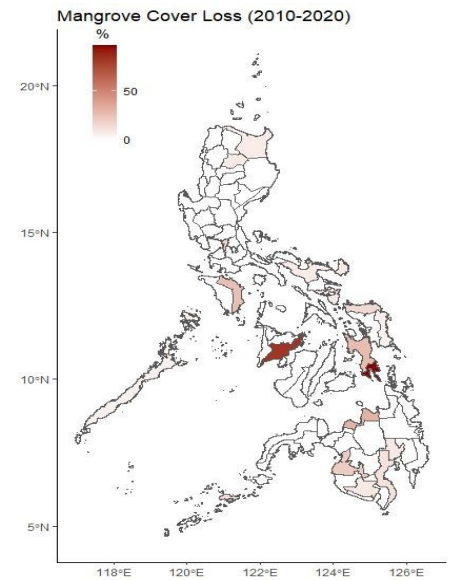
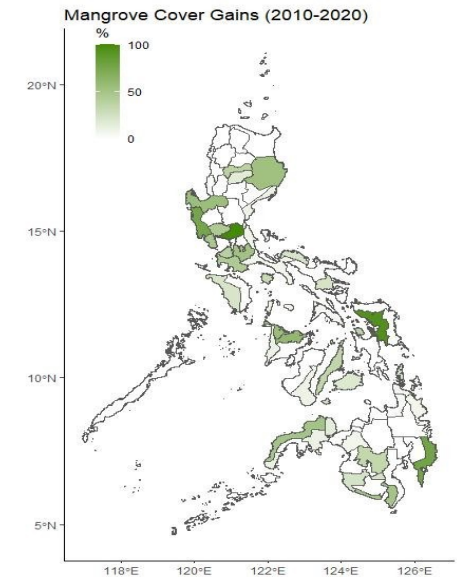


Uneven distribution of mangrove gains and losses

How many hectares do we need to effectively conserve and restore PHL mangroves?
For Biodiversity and “Blue Carbon”



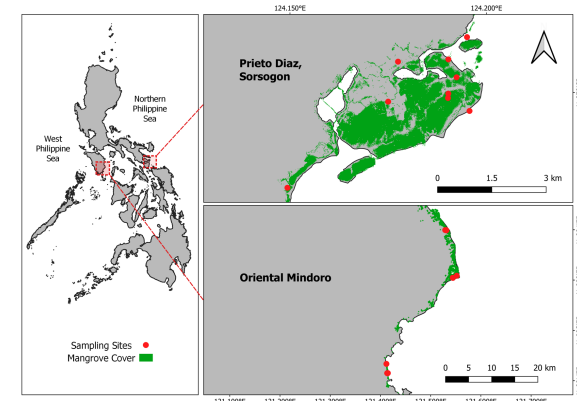
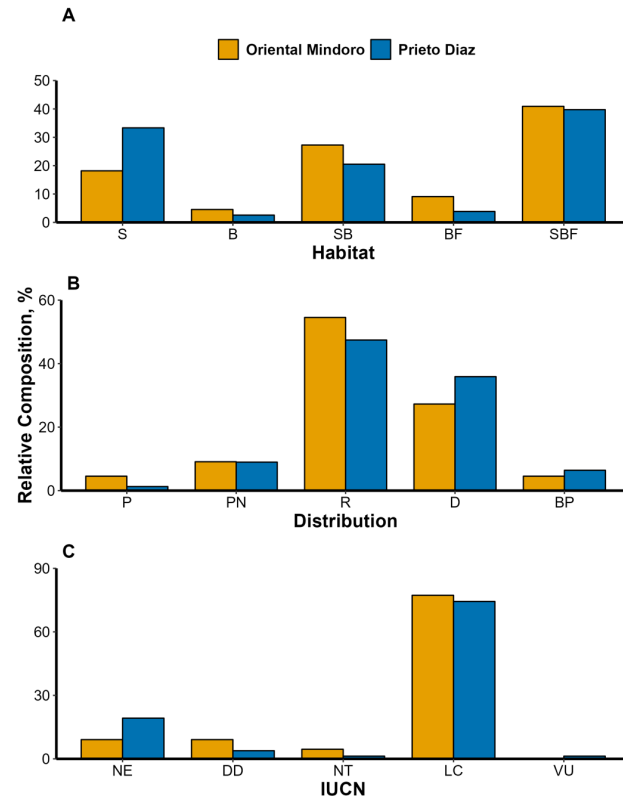
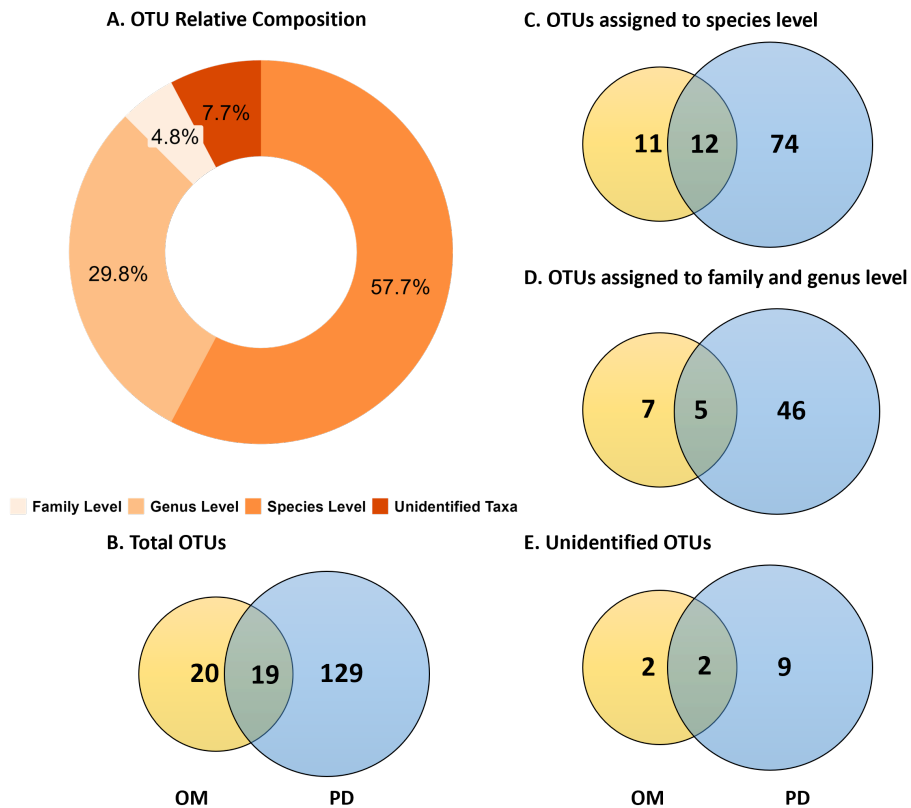
- Vegetation/structural complexity
- “Blue carbon” and sediment maturity
- Faunal assemblage/shift (indicator species)
- eDNA



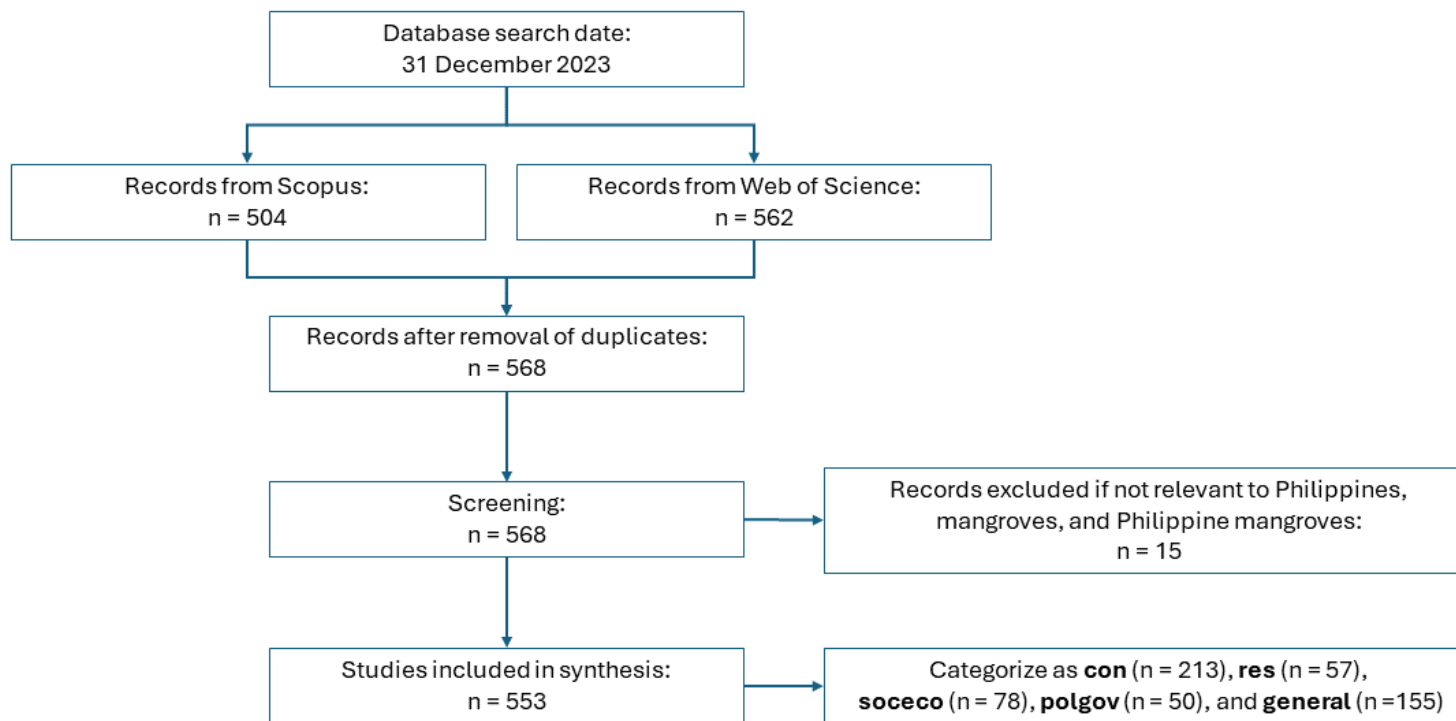
Fish Biodiversity through eDNA

(Naputo et al., submitted)

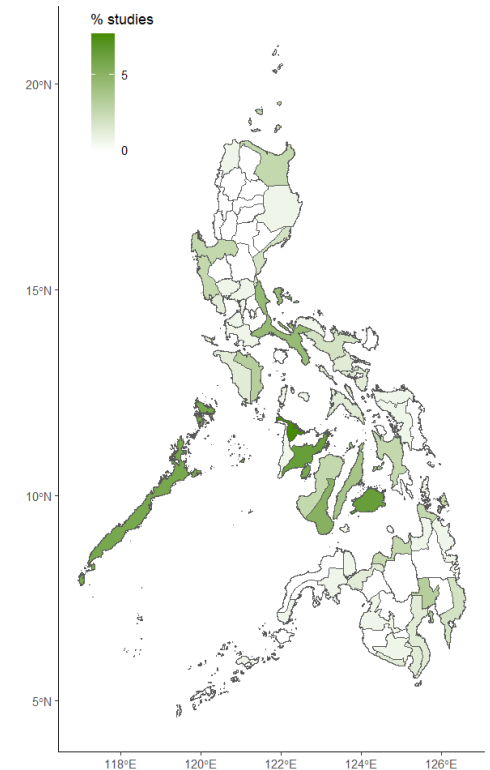
- > 90 species
- Higher biodiversity in natural mangroves
- Less in restored stands
- Minimum to none detected in abandoned ponds



PRISMA Process (and preliminary results)

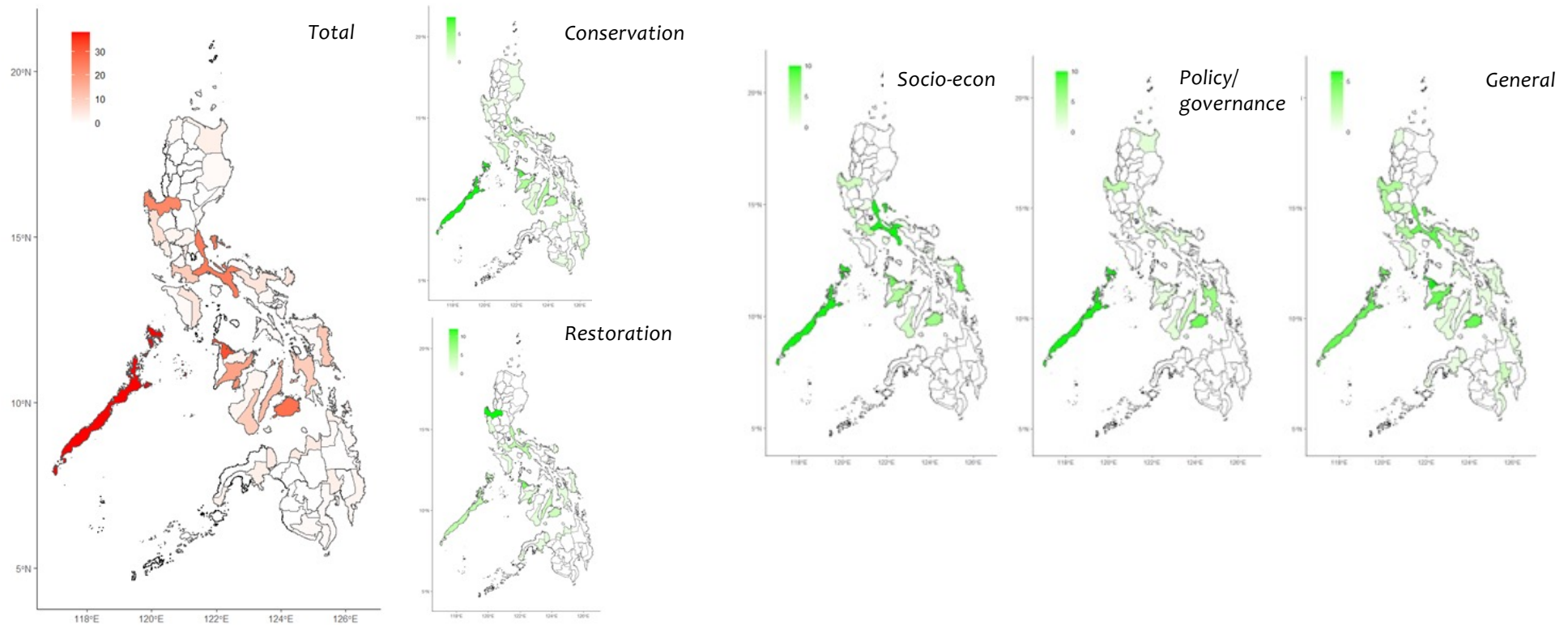


Distribution of Biodiversity Studies



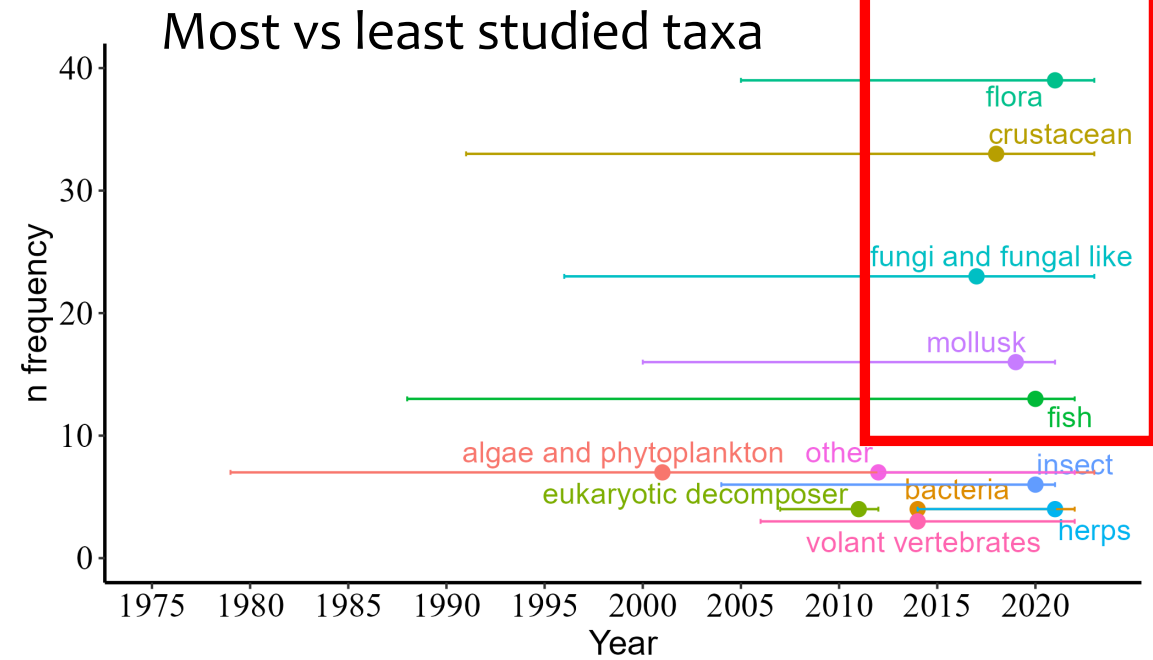
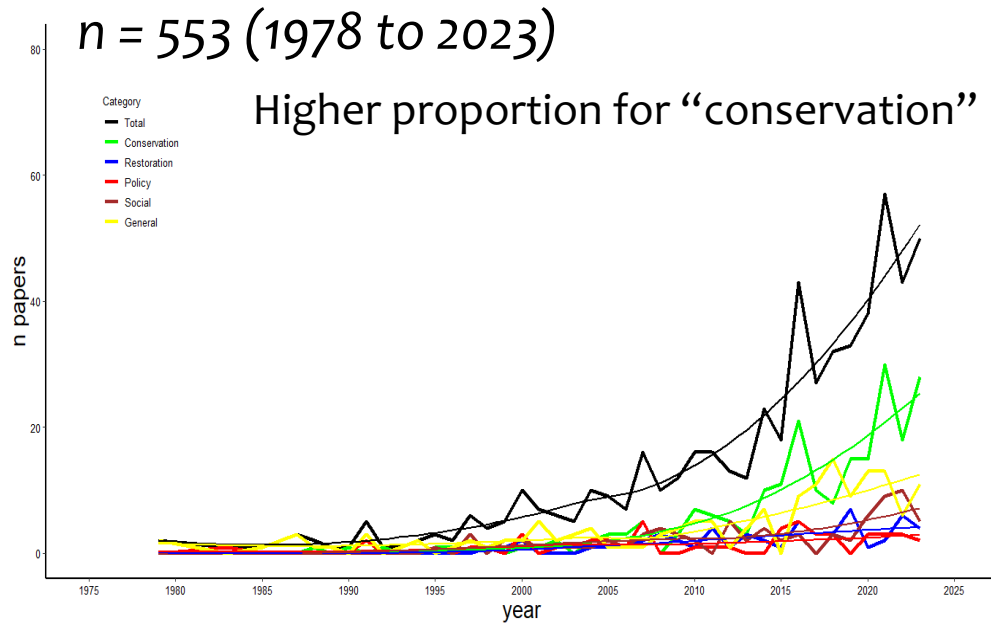
Maramag et al. (in prep.)

Distribution of Mangrove Studies



Maramag et al. (in prep.)

Trends and Types of Biodiversity Studies




Maramag et al. (in prep.)

Open-Access Data Analytic Platform

Mangrove State Reporting Form

About Us



The PEER ManCoRe Project is funded by the United States Agency for International Development (USAID) through its Partnerships for Enhanced Engagement in Research (PEER) in partnership with the U.S. Department of Agriculture Forest Service and is implemented by the National Academies of Sciences (NAS). The Project is administered in the Philippines by the Marine Environment and Resources Foundation, Inc. (MERF, Inc.). It aims to assess and compare ecosystem services such as blue carbon and biodiversity in conserved and restored mangroves in the Philippines.

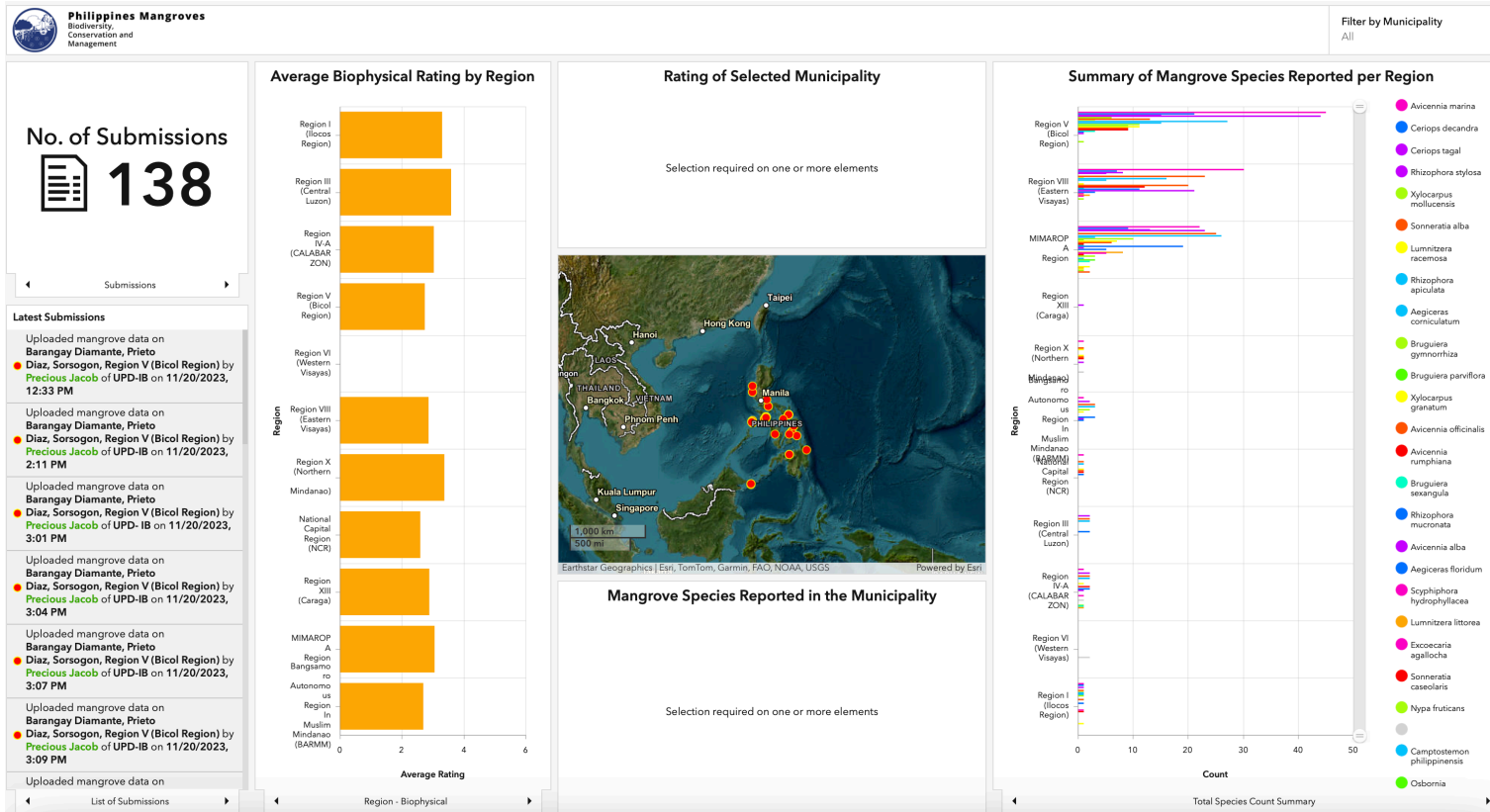
[Next](#)

Page 1 of 8

Monitoring form



Open-Access Data Analytic Platform

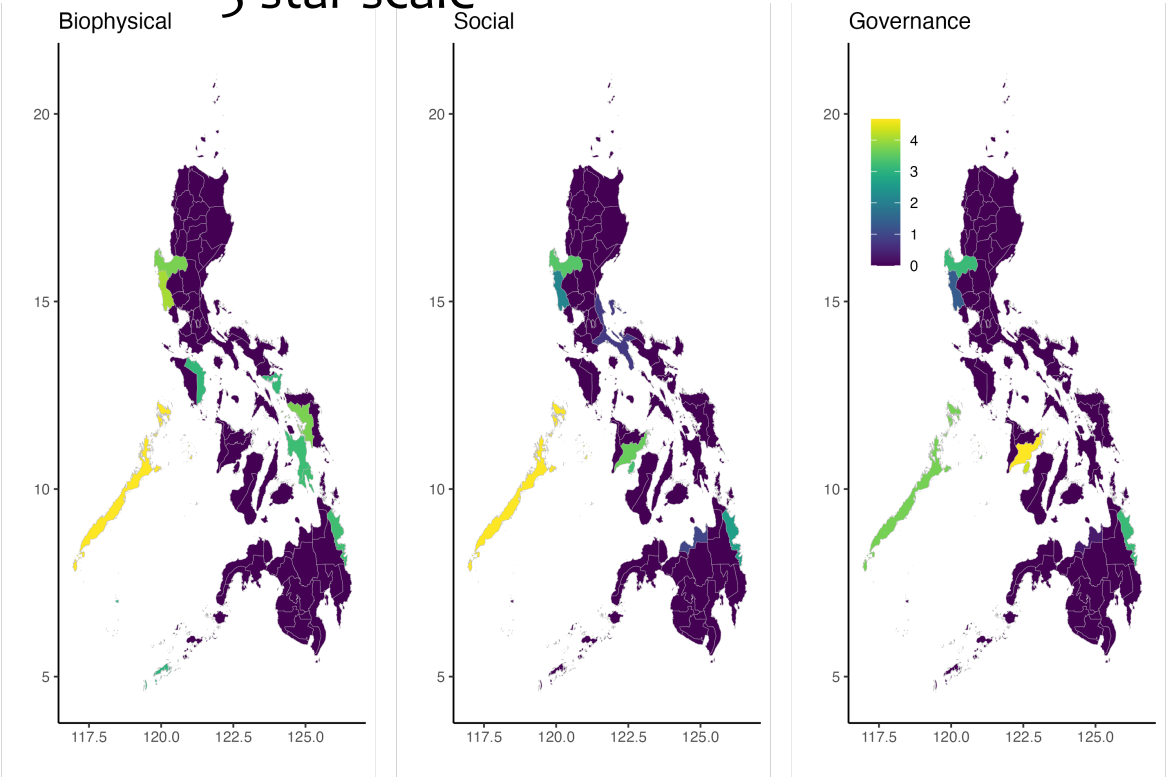
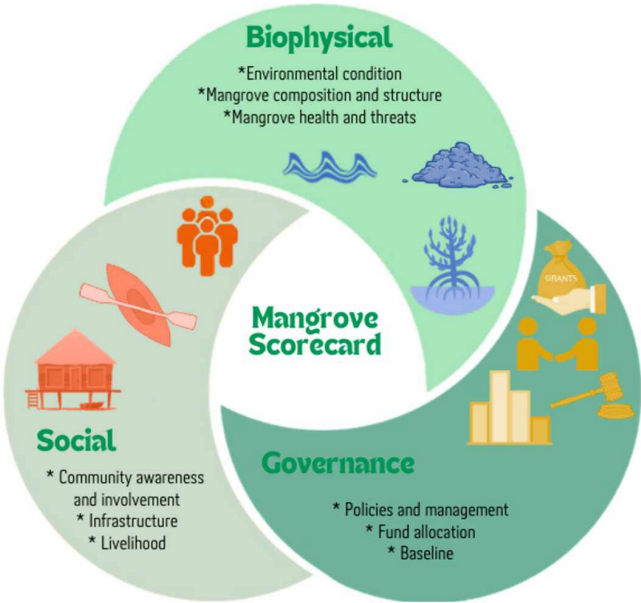


Open-Access Data Analytic Platform

State of the PHL Mangroves

Based on SER, CBD and governance rubrics

* 5-star scale



Plans

- Website, <https://mangroveecology.com>
- Mangrove and mangrove-seagrass studies
- Maintenance of the mangrove reporting platforms
- Will integrate faunal biodiversity
- (along with Blue Carbon)
- eDNA from water and sediment samples

<https://upsystem.maps.arcgis.com/apps/dashboards/066b8aae9f064980a0eef4e8b8cc75ed>

HOPESPOTTING!



Maraming salamat!

Please visit,
<https://mangroveecology.com>

sgsalmo@up.edu.ph