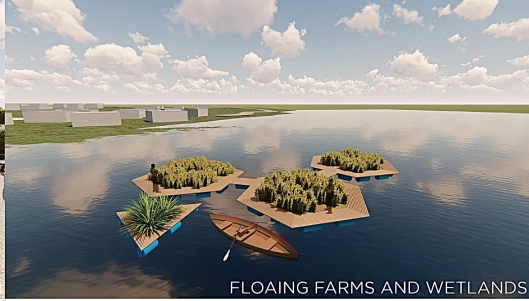




OUTDOOR CIRCULATION



FLOATING FARMS AND WETLANDS



RECREATION WORKSPACE

LAGUNA DE BAY

Major source of fisheries: 17% of total fish production (BFA&FOI)

Largest freshwater body in the Philippines

Multi-Use Water Resource

Home to 15m+ people (National Statistics Office 2010)

Hotspot for commercially important fish species



Uncontrolled reclamation and rapid population growth (LLDA 2020 Framework)

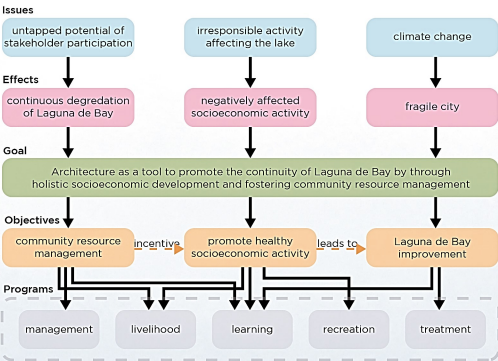
Lack of appreciation of stakeholders

Poor waste management causing heavy pollution

Ecological imbalances due to climate change

Decline in fish catch and production

PROMOTING CONTINUITY



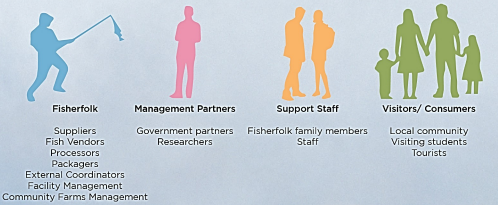
Community Resource Management

American political economist Elinor Ostrom's research on the topic won a Nobel prize in 2009. Her and her team's studies on common resources around the world proved that people are capable of sustaining resources especially if they benefit from them. The primary stakeholders are able to use their expertise and experiences to create proper management systems that make for long lasting resources.

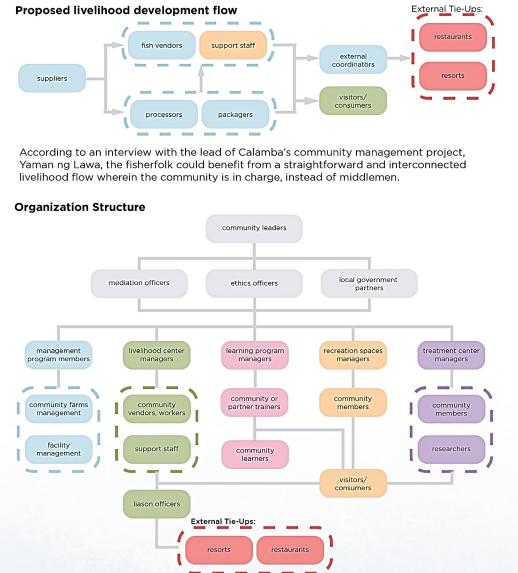
Holistic Socioeconomic Development

USAID's 2016 study on Stakeholder Engagement for Biodiversity Conservation, reports that Livelihood/Jobs was one of the most effective methods for engagement, together with Direct Payment and Government/Control of resource. Holistic development for communities includes giving them a means to uplift their own lives to strengthen their relationships with the resources they depend on.

USER PROFILES

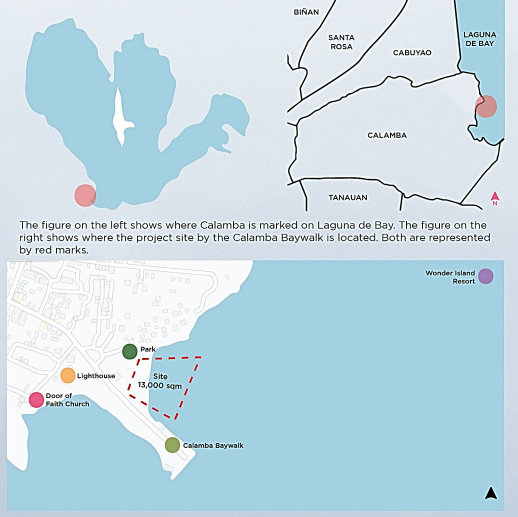


ORGANIZATION

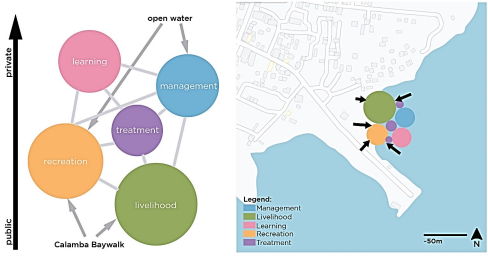


For community resource management to happen, economist Elinor Ostrom reveals that community leaders should be tapped instead of an administration. They are the voice of the people and shall be supported by the local government and their fellow community members in order to develop effective strategies.

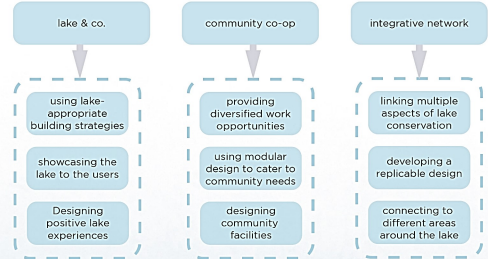
SITE INFORMATION



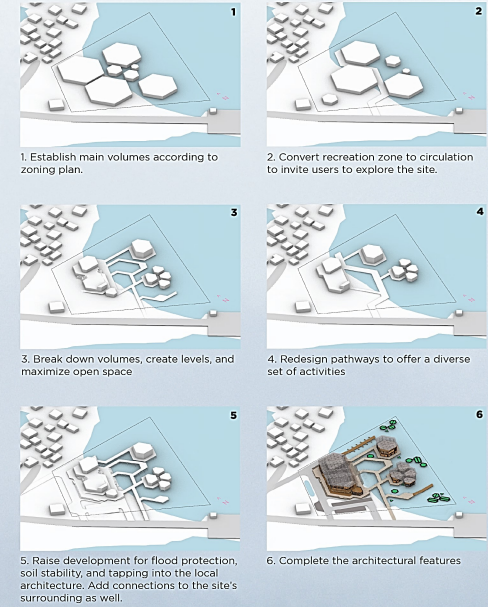
SPACE PROGRAMMING



DESIGN CONCEPTS



DESIGN MORPHOLOGY



Lago-Na!

Promoting the Continuity of Laguna de Bay





MARKET HALL

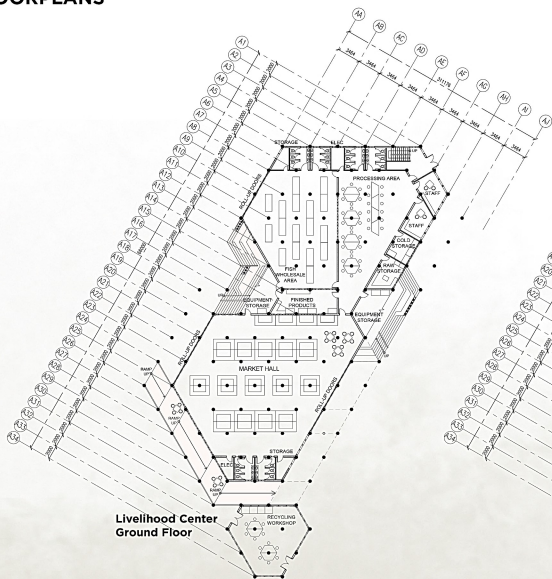


FISHERFOLK'S DOCK

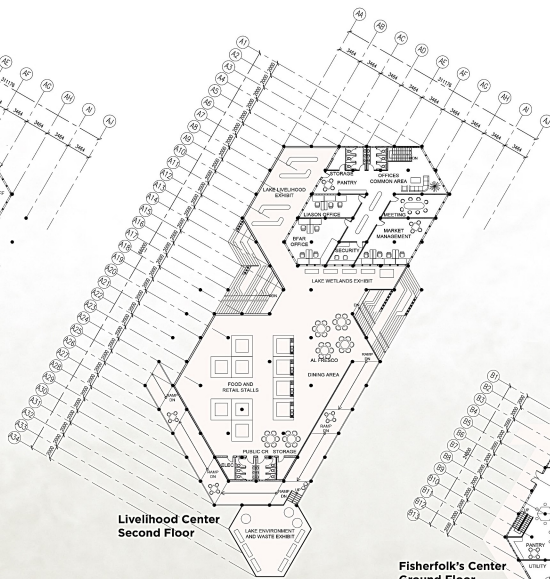


AL FRESCO DINING

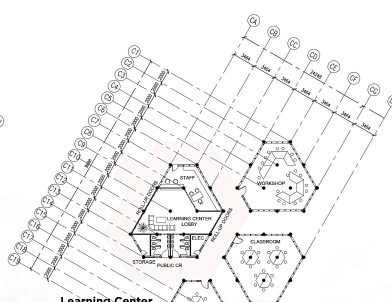
FLOORPLANS



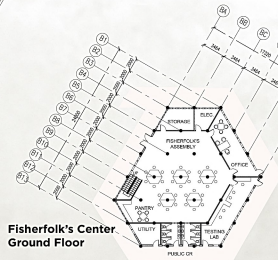
Livelihood Center Ground Floor



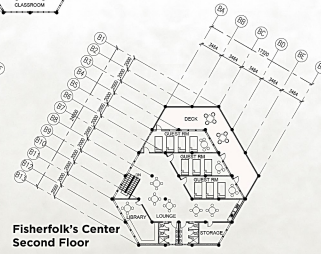
Livelihood Center Second Floor



Learning Center Ground Floor



Fisherfolk's Center Ground Floor



Fisherfolk's Center Second Floor



Livelihood Center



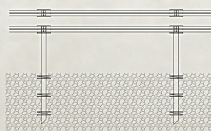
Learning Center



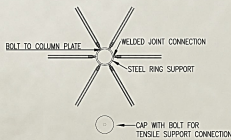
Fisherfolk's Center

STRUCTURAL FEATURES

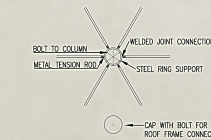
The structural system comprises of modular bamboo units with metal supports and a helical pile foundation system. These are structural solutions friendly to the lake as they are reusable, reconfigurable, make use of traditional materials, and their installation has a low impact on the sensitive environment of the site.



HELICAL PILE FOUNDATIONS



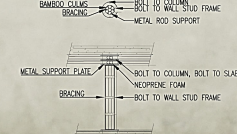
ROOF FRAMING TOP VIEW
REFERENCED FROM SHOEI YOH



ROOF TENSILE SUPPORT TOP VIEW
REFERENCED FROM DELEKAMP ARCHITECTOS

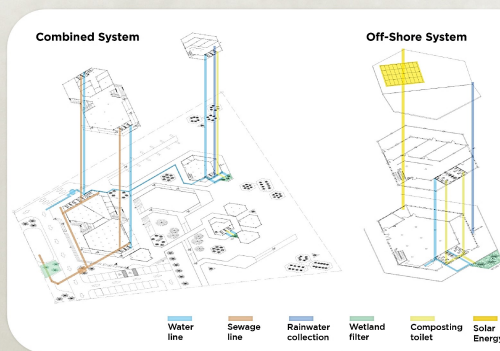


BEAM SYSTEM TOP VIEW
REFERENCED FROM STUDIO CARDENAS



COLUMN SYSTEM AND CONNECTIONS
REFERENCED FROM STUDIO CARDENAS

UTILITY FEATURES



Combined System

Off-Shore System

Water line Sewage line Rainwater collection Wetland filter Composting toilet Solar Energy

The project offers both on-shore and off-shore utility solutions to showcase the different possibilities people can use. The installations can be used to educate users on how to set up the different systems.



- Livelihood Center 1
- Learning Center 2
- Fisherfolk's Center 3
- Visitor's Parking 4
- Mangrove Nursery 5
- Gondola Experience 6
- Fisherfolk's Dock 7
- Visitor's Dock 8
- Floating Farms and Wetlands 9