First International Conference organized within the framework of PolyUrbanWaters Research and Project Network (BMBF 2019-2025)

POLYURBAN VVATERS

Polycentric management of urban waters in fast-growing cities and peri-urban areas in Southeast Asia

Arlene Christy D. Lusterio, TAO-Pilipinas Inc.

24-25th
March 2021

Online /
Berlin / Kratie /
Sleman / Vientiane

Global Perspectives on strategic planning tools and methods for sustainable futures

 Planning future cities: active participation of communities engaging local governments. Experiences from the Philippines.



Presentation Outline

- 1. Context: TAO-Pilipinas and its Work
- 2. Case Studies
 - Project Objectives
 - Methods/Approaches
 - Results
- 3. Difficulties/Challenges
- 4. Lessons Learned



1. TAO-Pilipinas and its work in the Philippines

- Women-led non-profit, nongovernment organization of primarily architects, planners, engineers.
- Envisions sustainable human settlements development
- Advocate for participatory planning, design, development and management
- Works directly with communities threatened by eviction and/or affected by disasters

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WzLByMQ9QF6BAgdEAE&biw=1707&bih=821#imgrc=oBTioXiXcf

LPWGSgUxM

125°0'0"E 120°0'0"E Luzon PASIG RIVER **REHABILITATION, METRO** Visayas Palawan HAIYAN RECONSTRUCTION GUIUAN, EASTERN SAMAR AND **PANAY** Mindanao INVOLVING DESIGN & CONSTRUCTION **POLYURBAN**

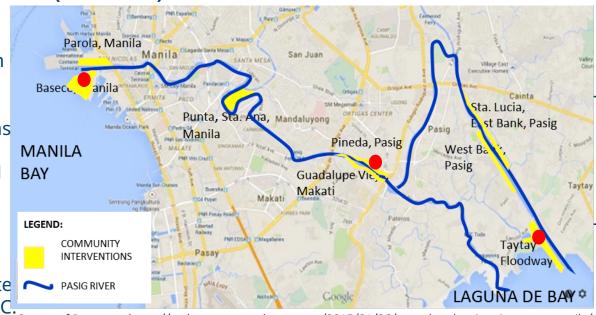




2. Case Study: Pasig River Rehabilitation (2001-2004)

Background

- 27 kilometers long, average of 91m wide and 0.5 to 5.5m deep
- Traverses 5 cities (Manila, Makati, Mandaluyong, San Juan, Pas and one municipality (Taytay)
- Occupied by about 20,000 informal settler families
- In 1990 Pasig River was declared biologically dead due to very high Pollution level. The government implemented a Rehabilitation Maste to revert the water quality to Class C.



Source of Basemap: https://codexpoesy.wordpress.com/2015/01/26/a-road-and-a-river-in-metro-manila/

 Goal: Improve environmental management of the Pasig River basin within Metro Manila particularly for wastewater management

Project Objective

Assist organized communities along Pasig River formulate their people's plan.

A people's plan is the plan formulated by the beneficiary-association, which shall contain a site development, that conforms to the CLUP of the local government unit under whose jurisdiction the project site is supposed to be located including community health, sanitation and security plans, as well as non-physical development components such as self-help housing cooperative, livelihood, self-help development, capability building and a system of allocation of socialized housing units that promote and protect the welfare of the elderly, persons with disability and children. (





Methods/Approaches

- Site Investigation Initial visit and consultation
 - site condition,
 - quality of housing stock, density
 - Existing facilities and services
 - Access and circulation





Lecture about planning and design laws/ standards Participatory Planning and

Design



2021









houses duplex type Consolidated ideas, for development. 3 Schemes were prepared. A final scheme was selected and presented to the City Mayor as their **people's plan**.

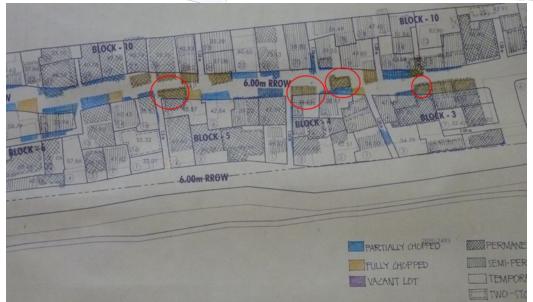
People were allowed to stay and TREVATERS professed dayslanment ention was

PINEDA, PASIG CITY

Principle of minimum dislocation maximum

retentionated as an Environmental Protection Area (EPA)

- 2. Clearance of 10-m easement along the banks of the river
- 3. Structure mapping
- 4. Block consultations with affected households to identify solutions and come up with agreements.



Scheme was presented to the city Mayor of Pasig. The scheme was accepted with revisions:

- Make the internal road
 6m
- Add two basketball courts
 POLYURBAN COURTS















DAMAYAN SA FLOODWAY, TAYTAY,



MGA DAPAT TANDAAN SA PAGDISENYO NG BAHAY

- 1. MINIMUM NA LAKI NG KWARTO: 2M X 3M
- 2. MINIMUM NA LAKI NG CR: 0.90M X 1.2M
- 3. MINIMUM NA LAPAD NG HAGDAN: 0.70M
- 4. KAILANGANG MAY BINTANA ANG CR.
- 5. KAILANGAN MAY BINTANA BAWAT KWARTO.
- 6. MAXIMUM NA LAPAD NG TERRACE NA NAKAHARAP SA MALIIT NA KALSADA: 0.60M

Validation Workshop Two-Storey Prototype House Design Damayan, Sitio Lumang Ilog, Taytay Minimum size of bedroom: 2m x 3m
Minimum size of toilet: 0.90m x 1.20m
Minimum width of stairs: 0.70m
Windows for Toilet
Windows for bedroom
Maximum width of terrace facing a minor

Designing a house



2. Capacity-building on planning and design





DAMAYAN SA FLOODWAY, TAYTAY,







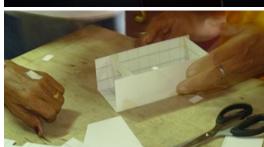








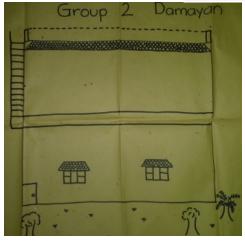




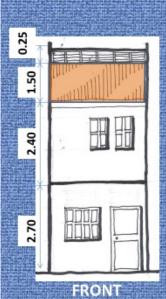




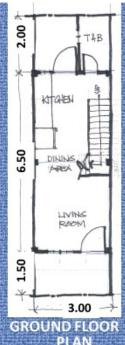


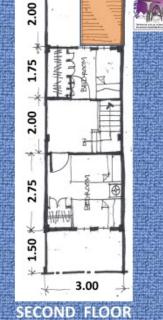






ELEVATION







PLAN SECOND FLOO

Validation Workshop PLAN

Validation Workshop Two-Storey Prototype House Design Damayan, Sitio Lumang Ilog, Taytay 16 February 2012



Difficulties/Challenges

- Limited information/ data about the site and the users
- Limited resources and technology
- Massive informal settlement that needs to be consulted
- Participatory process is tedious and consumes a lot of time.
- There were cases where what the people want may not be the right solution:
 - Continue occupying the embankment of the floodway in West Bank, Pasig
 - ☐ Use of Floating Foundation for Model house in Taytay Floodway

Lessons Learned

- Work with what is available (data/information, resources)
- Be clear and honest about the limitations
- Technical professionals need social skills to communicate and work with the poor.
- Technical Plans are powerful tools for negotiations with government.
- People's participation in planning and design is empowering. It gives
 voice to and ownership of the solution by the community.

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Maraming Salamat po.

Thank you very much.