



AS LIFE COMES FROM THE EARTH
RETURN TO THE SOIL
AS THE WAVES RISE FROM THE RIVER
RETURN TO THE RIVER
— KABIR

Home for Mithi

A new balance between the river and sustainable communities for the poor

Country / City	China / Beijing
University / School	Beijing Forestry University
Academic year	2017-2018
Title of the project	Home for Mithi — — A new balance between the river and sustainable communities for the poor
Authors	He Wei, Zhang Xi, Ti Yuxin, Xu Shaocong, Xing Lulu





PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

d'Arquitectura de Barcelona

Avenida Diagonal, 649 piso 5

08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project	Home for Mithi — A new balance between the river and sustainable communities for the poor
Authors	He Wei, Zhang Xi, Ti Yuxin, Xu Shaocong, Xing Lulu
Title of the course	Studio of Landscape Architecture Design
Academic year	2017-2018
Teaching Staff	Wang Xiangrong, Lin Qing, Li Liang
Department/Section/Program of belonging	School of Landscape Architecture
University/School	Beijing Forestry University

Written statement, short description of the project in English, no more than 250 words

Mumbai has become a world-class super city with a population of more than 21 million. The relationship between human and nature in the city is becoming increasingly tense.

The Mithi River is an important channel for flood discharge in Mumbai. With the spreading slums occupying the river bed and the serious pollution blocking the river, they brought more and more serious seasonal floods. Meanwhile, isolated slums gradually lag behind the urban development, which has done great harm to the region's economic and social development.

Our plan aims at expanding river space by the flexible strategy of retreating levees and building urban flood diversion areas. Through the restoration over time, we can improve the city's ability to respond to the natural disasters. By using natural levees built by solid garbage in the river, we plan to transform the river space into a mode of "urban green space - urban agriculture - the community for the poor". We hope to protect slums against flood threats, meanwhile, to provide more income for residents. In this way, we can drive the slum's economic mode towards a sustainable direction. In addition, the protection of clean water and energy within the community are also considered. Finally, in the time of restoring nature environment, the slums will become the city's compact community, and the city will get sustainable and healthy development.

For further information

Máster d'Arquitectura del Paisatge -DUOT - UPC

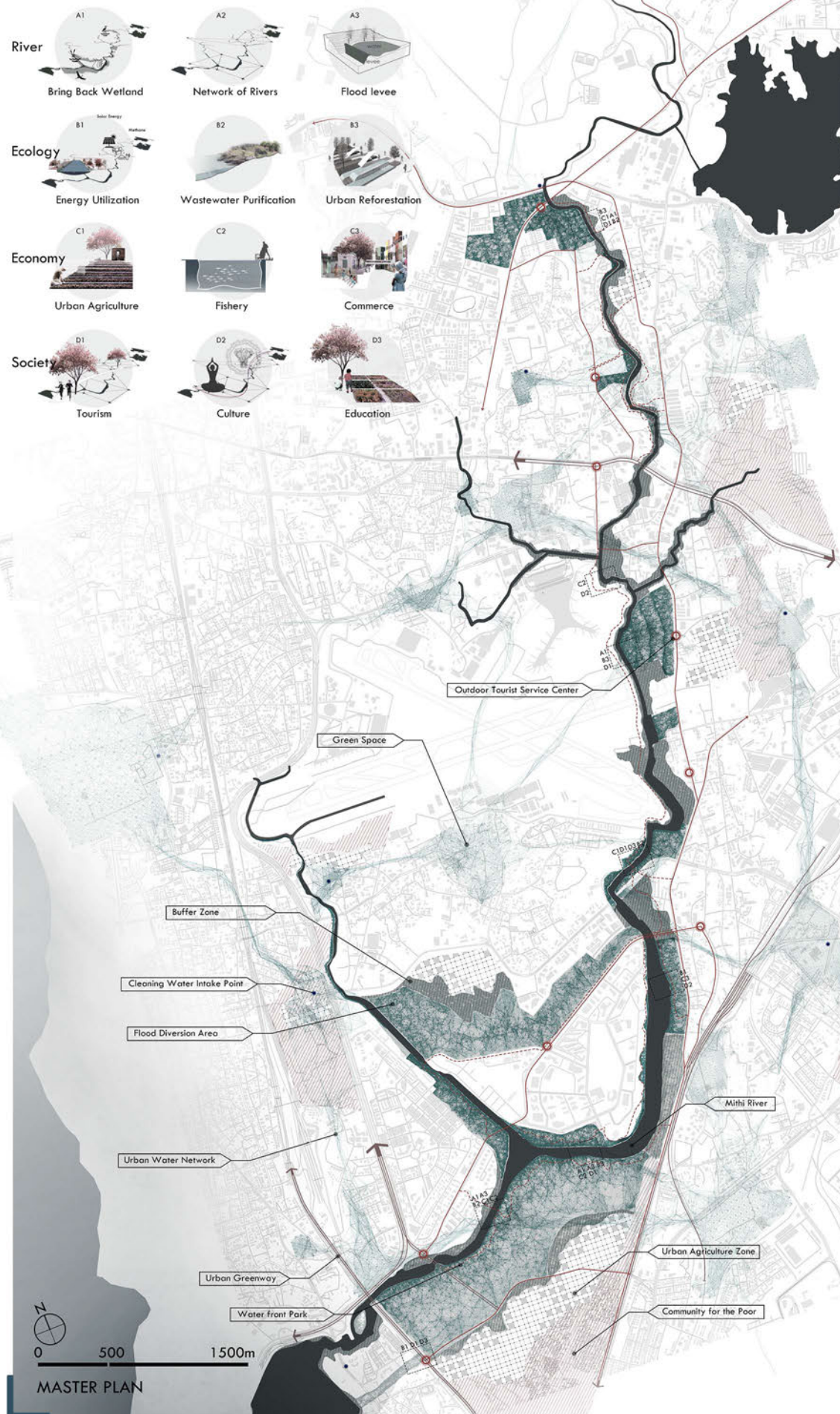
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Contact via email at: biennial.paisatge@upc.edu

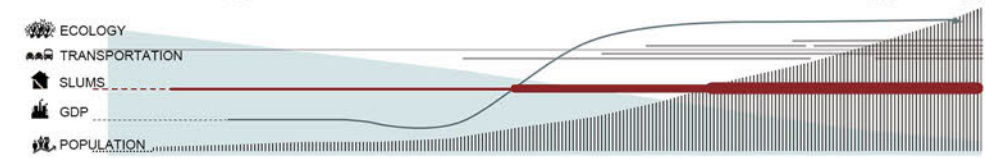
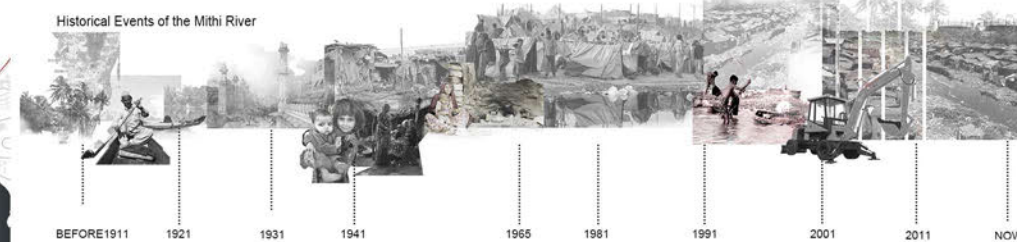
Consult the web page <http://landscape.coac.net/>

LANDSCAPE STRATEGY TYPES

The site has the potential to be transformed into a sustainable infrastructure that provides living for the poor, cultural identity and dynamic waterfront experience.



HISTORY

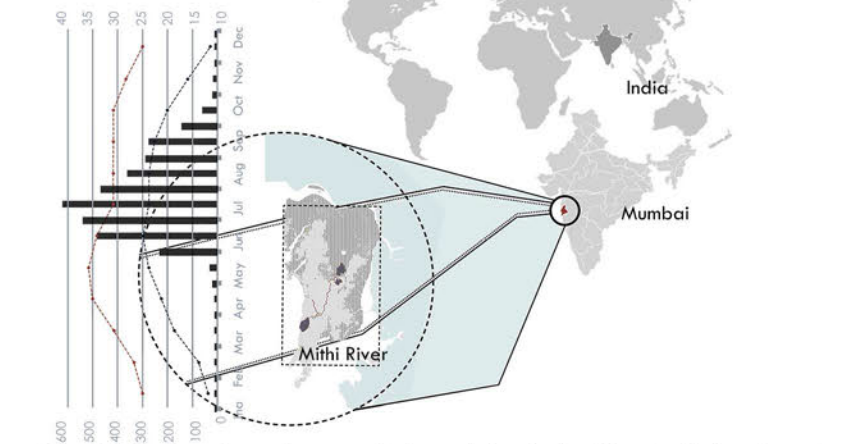


PROBLEMS



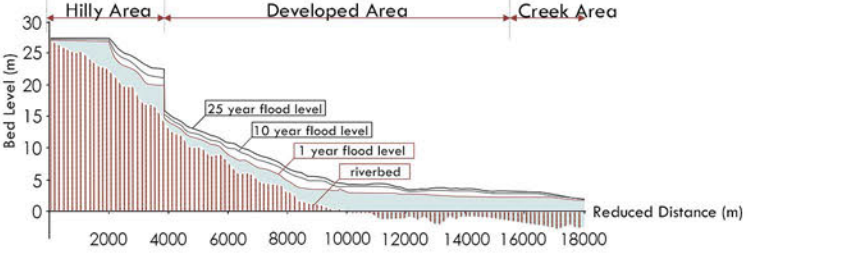
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LOCATION

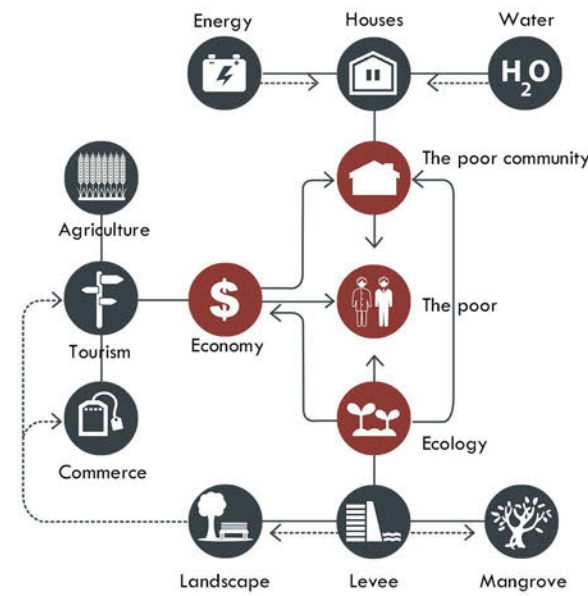


The Mithi River is a river on Salsette Island, the island of the city of Mumbai, India. The river originates from the overflow of Vihar Lake and also receives the overflows from the Powai Lake about 2 km later. It flows into the Arabian Sea.

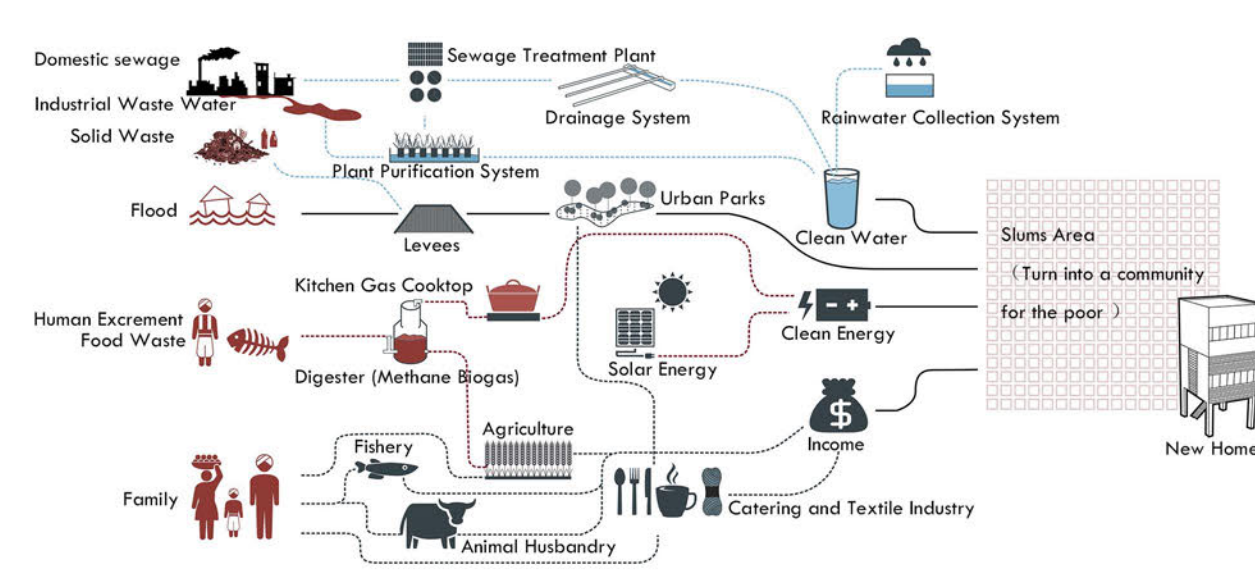
LONGITUDINAL PROFILE



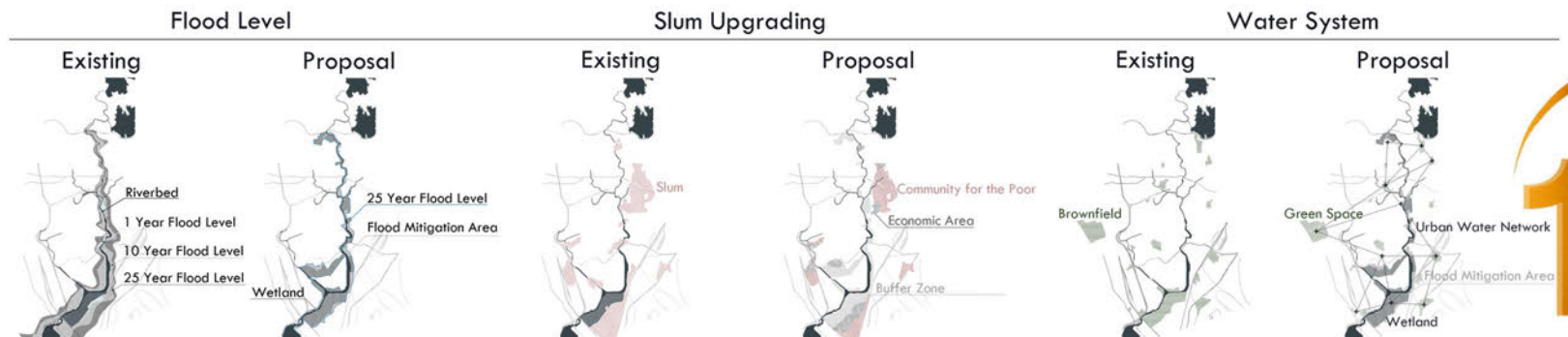
CYCLE MODE

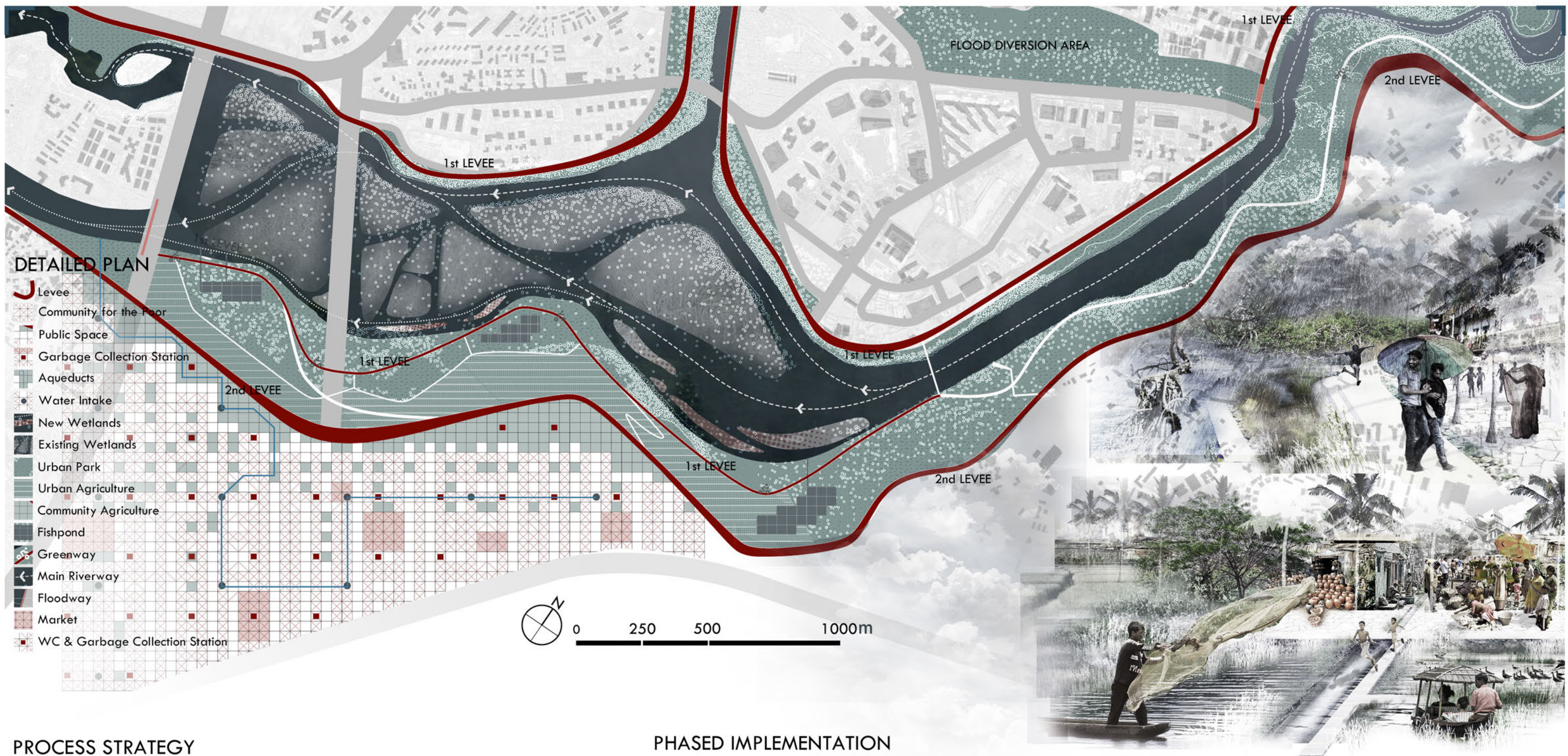


SOLUTIONS

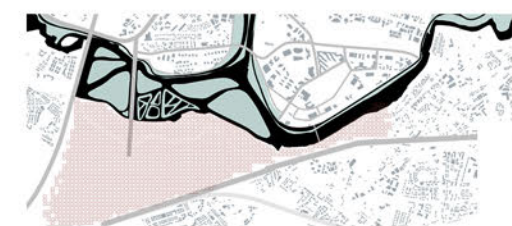


COMPARATIVE

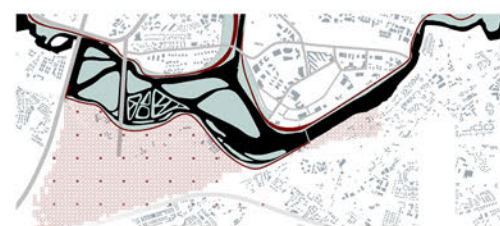




PROCESS STRATEGY



Present situation



Stage 1

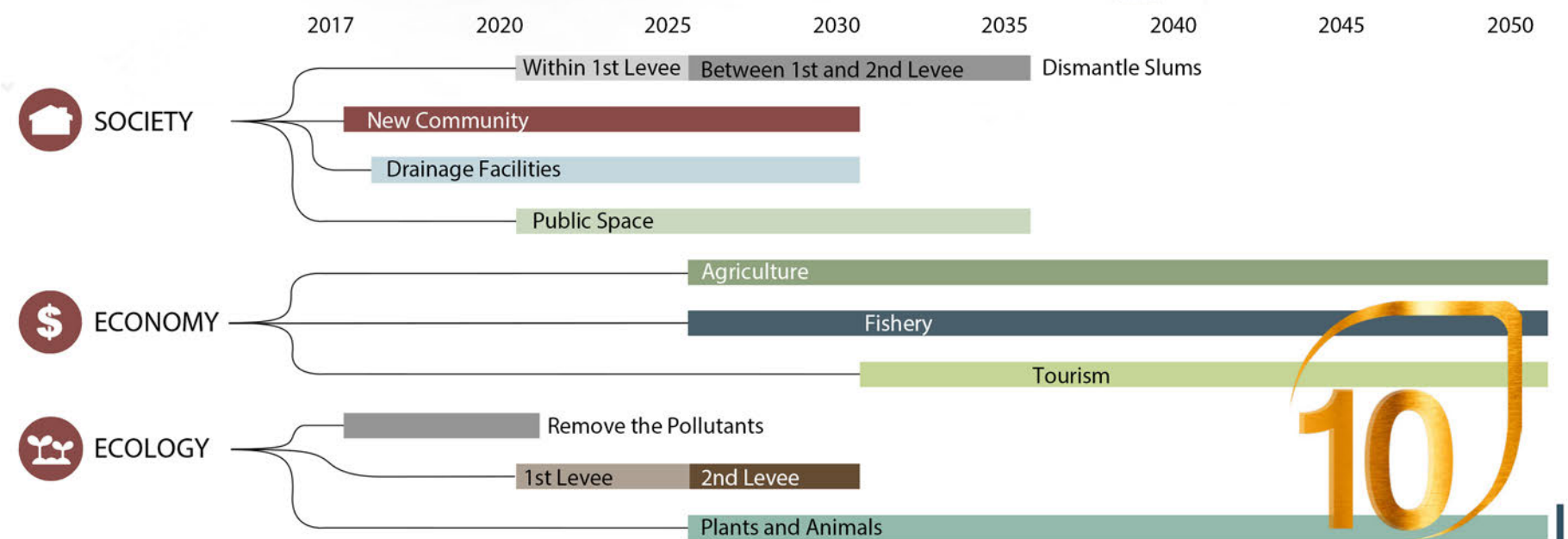


Stage 2

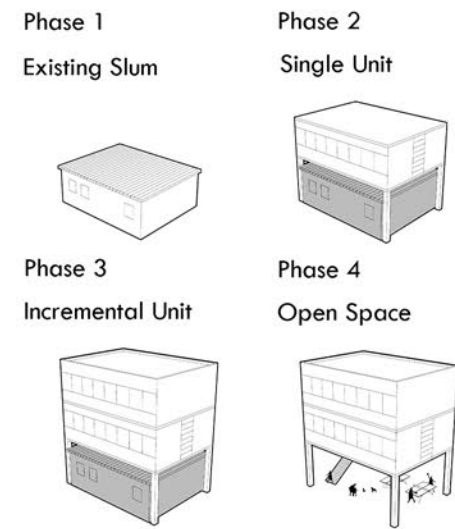


Stage 3

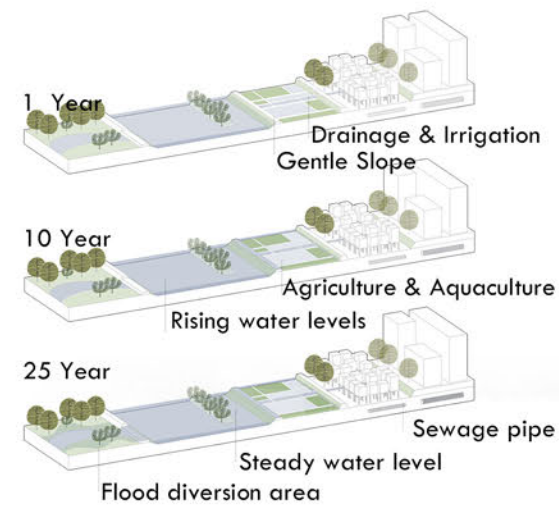
PHASED IMPLEMENTATION



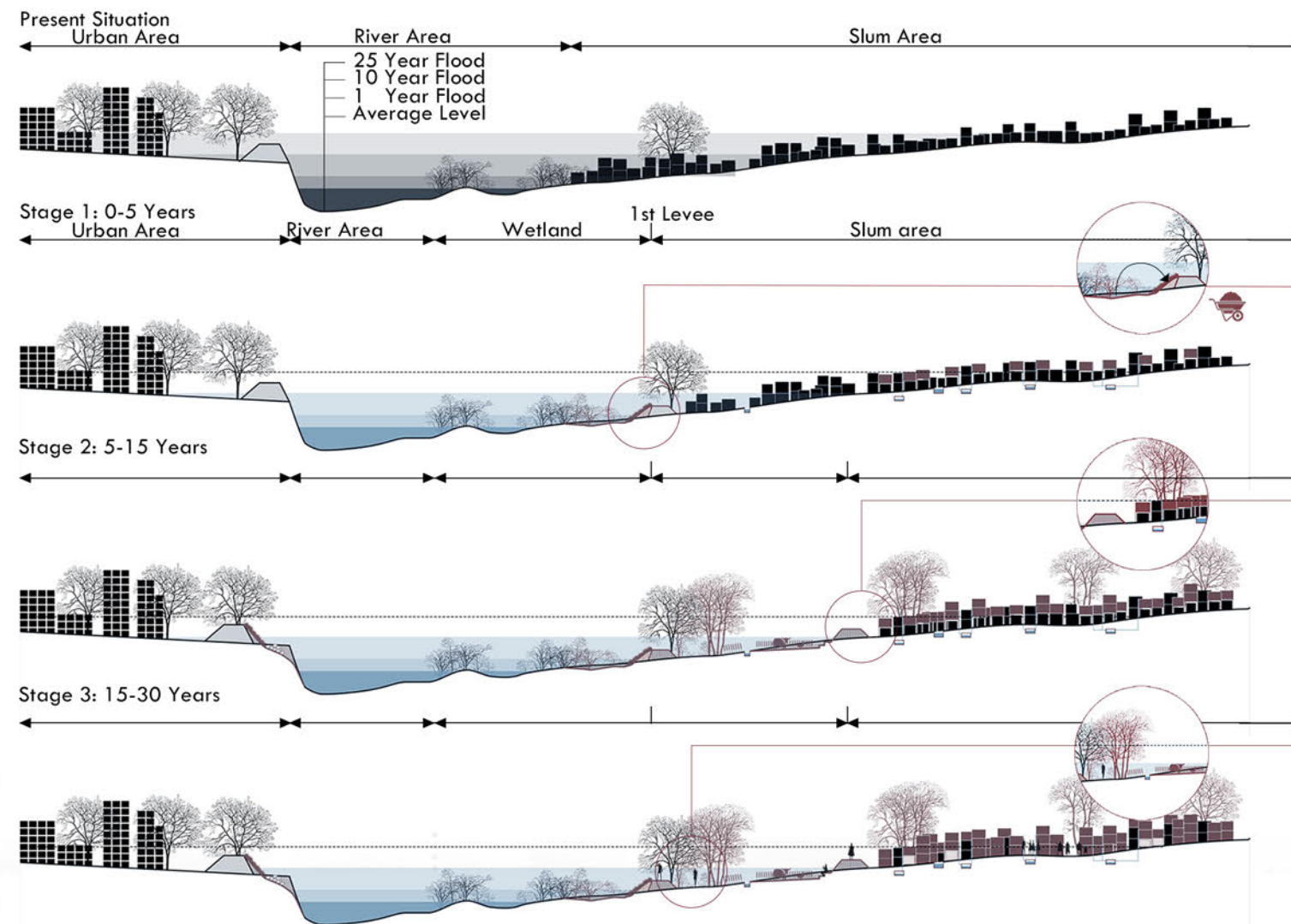
ARCHITECTURE



FLOODING ANALYSIS



DEVELOPING PHASING



BUFFER PHASING

