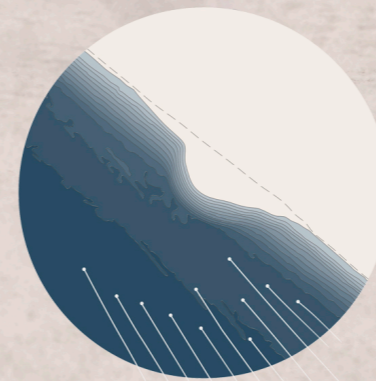


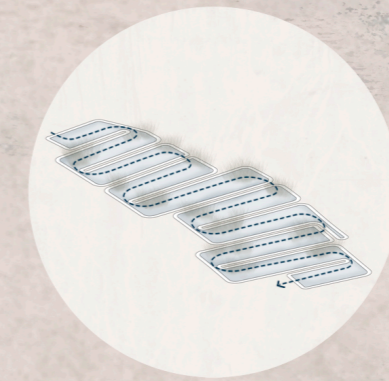


RECONCILING WITH THE PACIFIC

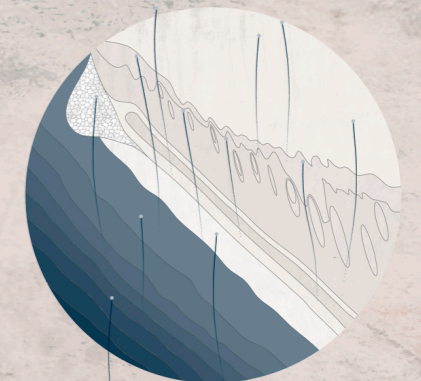
TRUJILLO COAST RESTORATION, PERU



T'iyujallp'a motor
Sand Motor



Yacu motor
Water Motor



Wayra motor
Wind Motor

Country / City
University / School
Academic year
Title of the project
Authors

SPAIN, BARCELONA

UPC UNIVERSITAT POLITÈCNICA DE CATALUNYA

2018-2019

RECONCILING WITH THE PACIFIC, TRUJILLO COAST RESTORATION, PERU

TADEO SEGUNDO CAMPOS LÓPEZ

TECHNICAL DOSSIER

Title of the project	RECONCILING WITH THE PACIFIC, TRUJILLO COAST RESTORATION, PERU
Authors	TADEO SEGUNDO CAMPOS LÓPEZ
Title of the course	LANDSCAPE DESIGN STUDIO FINAL
Academic year	2018-2019
Teaching Staff	ANNA ZAHONERO / IOANNA SPANOU
Department/Section/Program of belonging	ETSAB, ESCOLA TÈCNICA SUPERIOR D'ARQUITECTURA DE BARCELONA. MBLANDARCH, MASTER BARCELONA IN LANDSCAPE ARCHITECTURE
University/School	UPC UNIVERSITAT POLITÈCNICA DE CATALUNYA



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

Vulnerable shoreline communities in Trujillo have already faced tsunamis, floods, and storms that are likely hit hardest by climate change. Additionally, port infrastructures and sea-level rise cause coastal erosion flooding neighborhoods, transport infrastructure, and other critical services, as well as destroying wetlands. Furthermore, mining, agricultural and industrial wastewater discharges have made the shoreline and the Moche River one of the most polluted areas of the Peruvian coast. To protect Trujillo's communities from these devastating impacts, and enable coastal ecosystems to survive and thrive, the project relies on four strategies: 1. Prevent coastal erosion. A massive sand human-made deposition would form dune ecosystems and beaches through marine currents and the wind while providing access to the shoreline and protecting the infrastructure and neighborhoods. 2. Reduce water pollution in both the river and the coast. Yacu Motor or water motors, a proposed system of wetlands, would transform both the river and wastewater treatment plants, into green-blue corridors that provide public space, store and filter water through phytodepuration processes of native species. 3. Enhance the biodiversity of the disturbed ecosystems by enlarging and redefining both the natural and artificial wetlands, which would host an immense variety of species and their dynamic relationships. 4. Strengthen the relationship within the city and its ecosystems. Proposed bike paths and pedestrian corridors would connect and access the series of public and recreation spaces introduced, hence engage the communities to preserve the region's natural landscapes.

For further information
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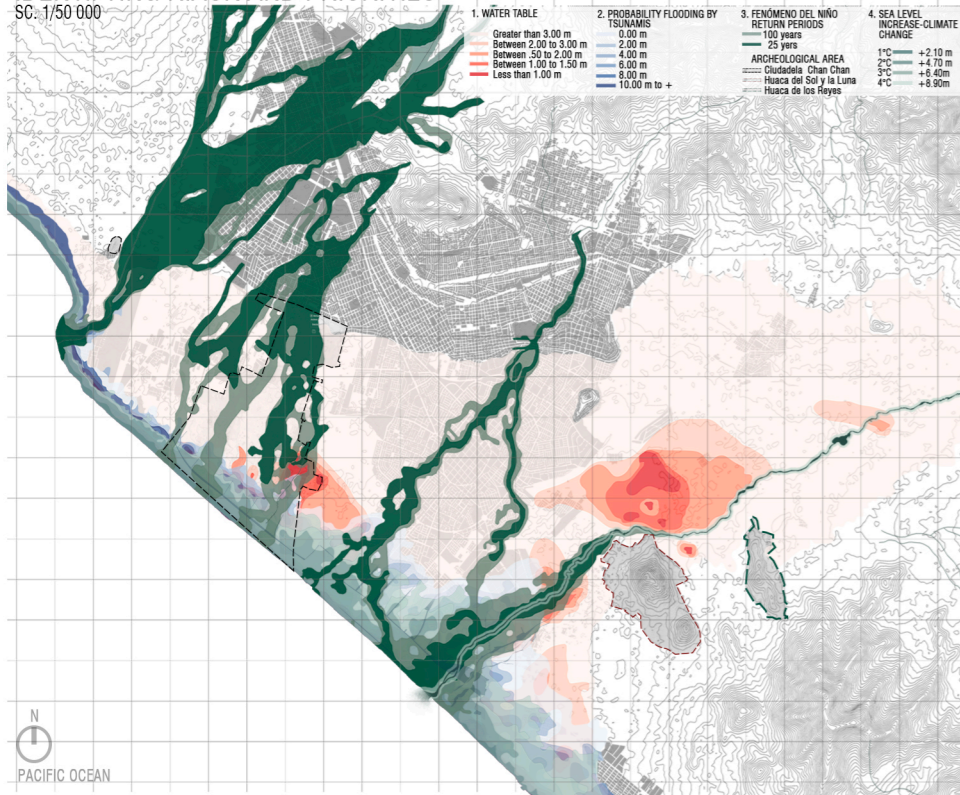
CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

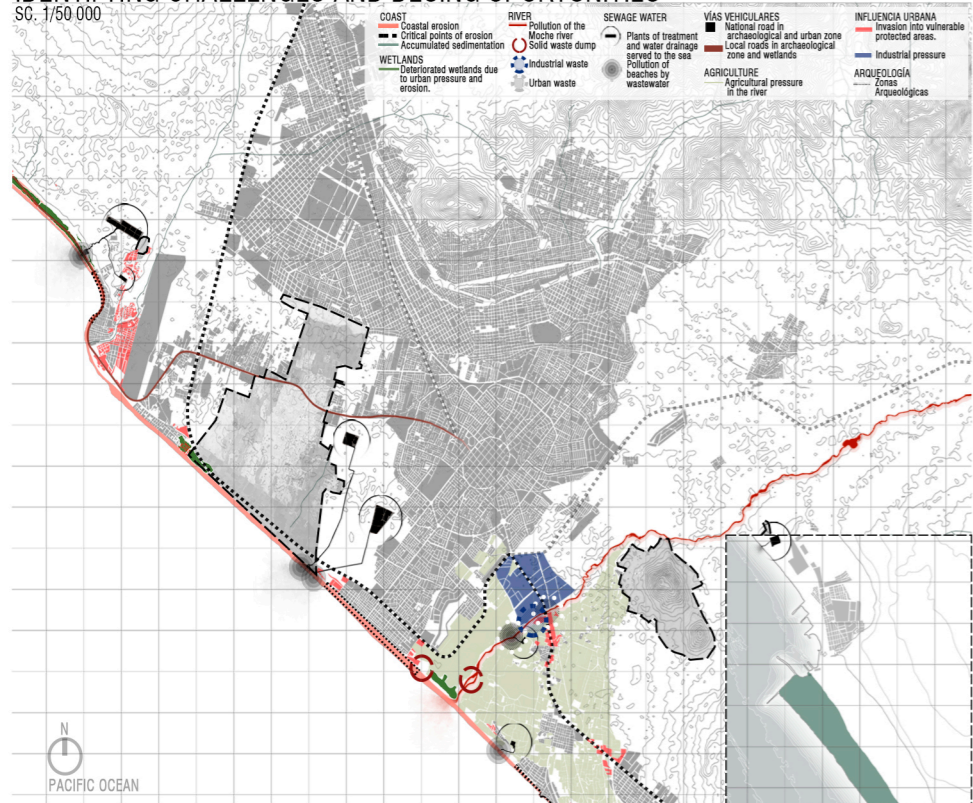
Barcelona September 2020
SCHOOL PRIZE



America Peru
IDENTIFYING RISK AND PRIORITIES
 SC: 1/50 000



IDENTIFYING CHALLENGES AND DESING OPORTUNITIES
 SC: 1/50 000



GOAL:
 Regenerate the coastline of the city of Trujillo, Peru.

STRATEGIES:

1. STOP EROSION

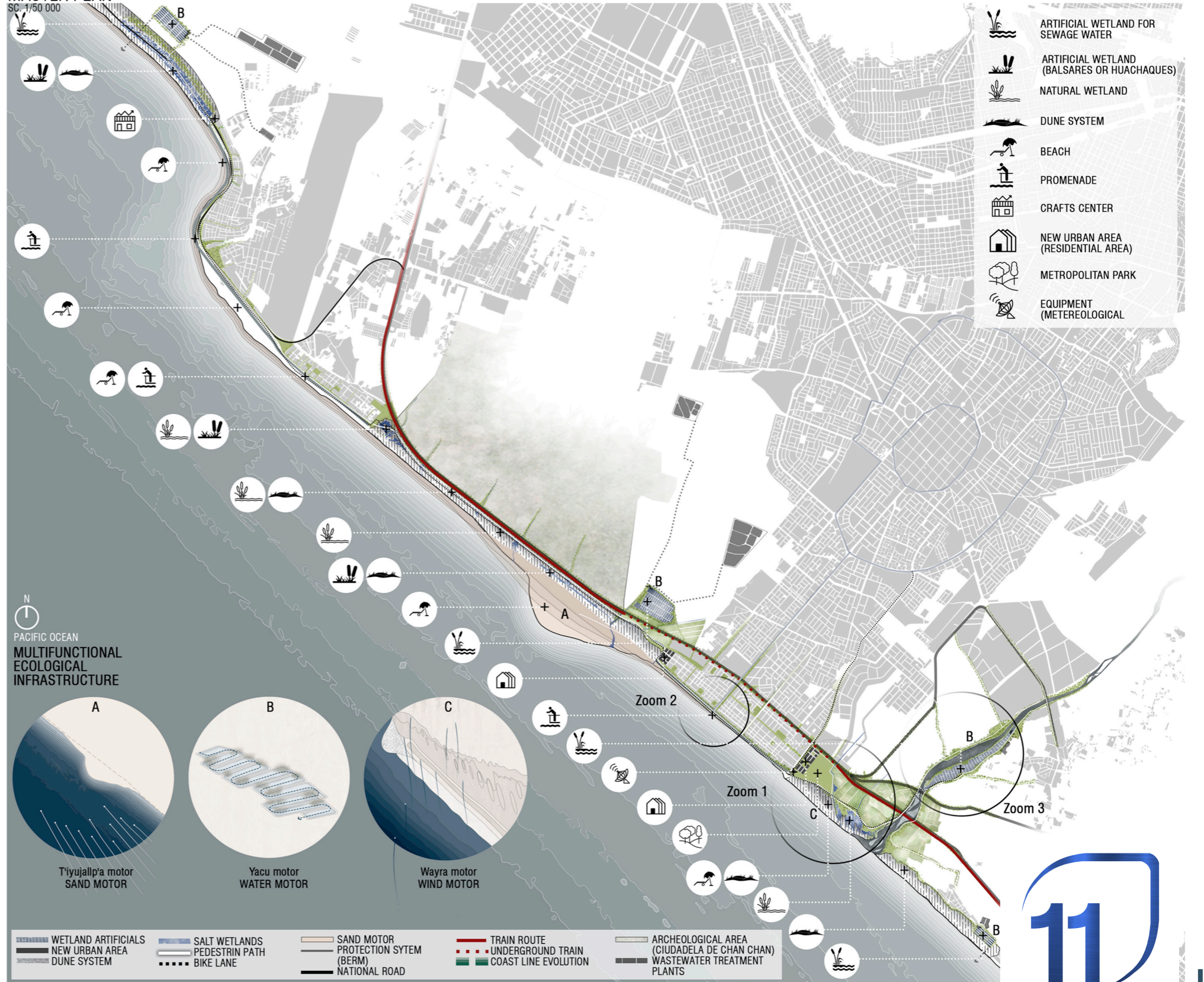
2. REDUCE POLLUTION OF RIVER AND SEA WATER

3. INCREASE THE BIODIVERSITY OF DETERIORATED ECOSYSTEMS

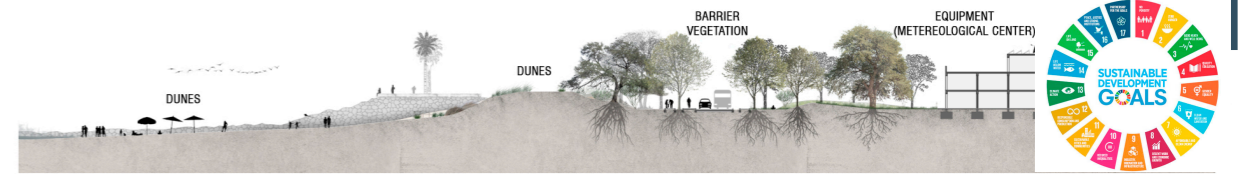
4. ENHANCING THE CITY'S RELATIONSHIP WITH THE COAST



MASTER PLAN
 SC: 1/50 000



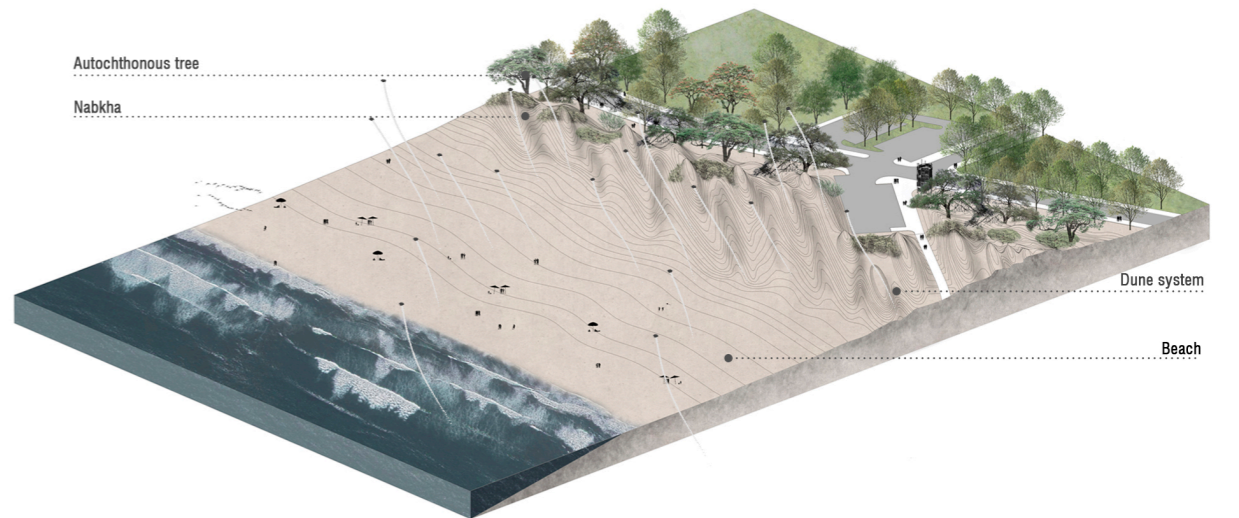
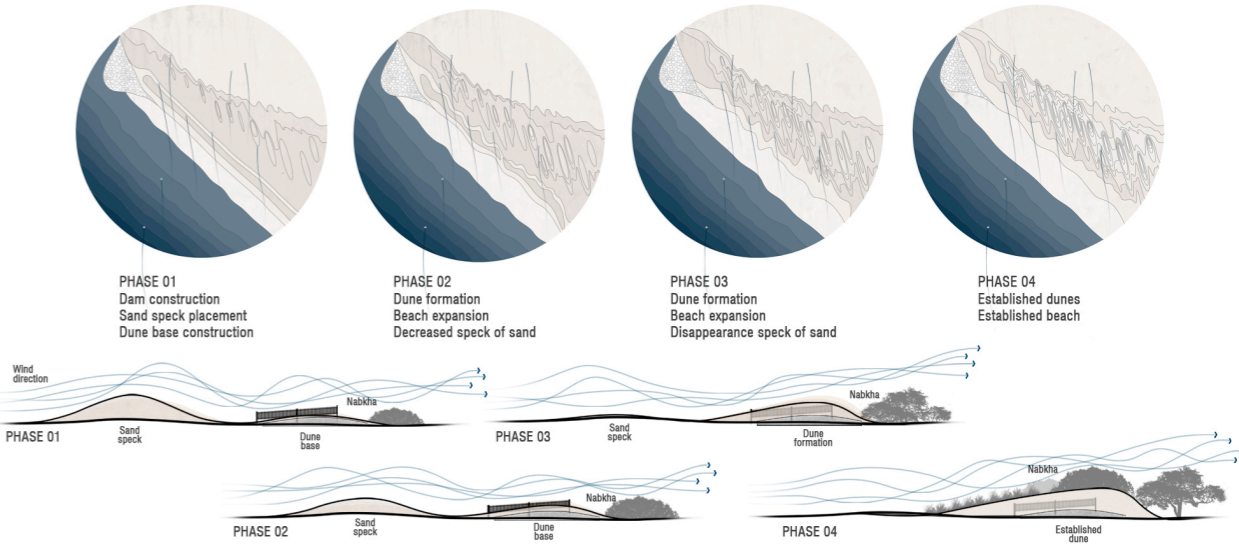
ZOOM 01: DUNE SYSTEM, METROPOLITAN PARK, WETLANDS
SC. 1/5 000



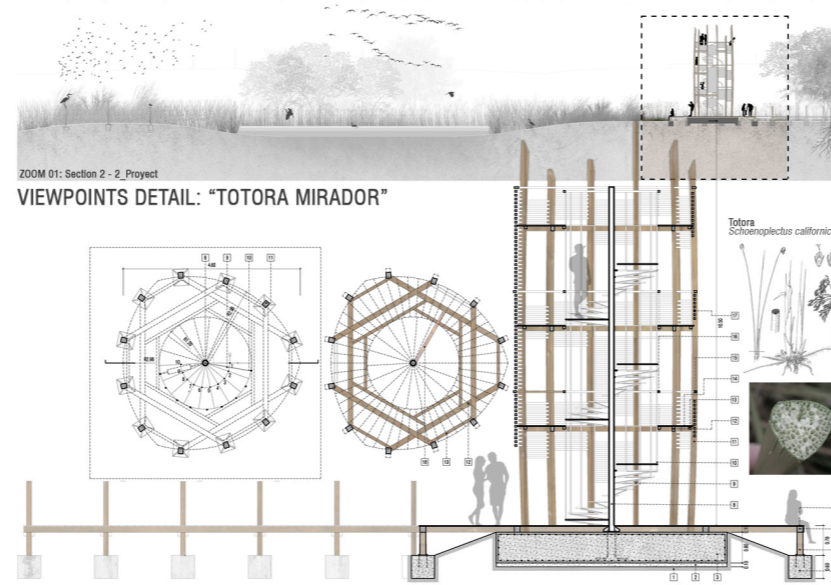
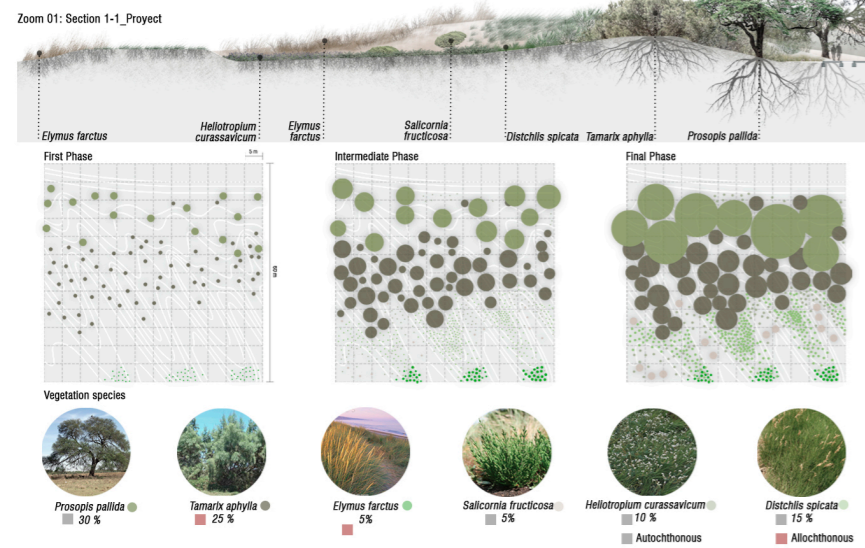
ZOOM 01: Section 1 - 1_Proyect



DUNE SYSTEM EVOLUTION



MODULE PLANTATION: DUNE SYSTEM, AND VEGETATION EVOLUTION



ZOOM 02: BUENOS AIRES PROMENADE



ZOOM 03: ARTIFICIALS WETLANDS IN MOCHE RIVER

