

Country / City
University / School
University / School
Academic year
Title of the project
Authors
El Tabo, V Región de Valparaíso, Chile
Universidad Diego Portales
2018
Ecosistemic recovery of El Peral lagoon.
Macarena Cuevas Letelier





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
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Avenida Diagonal, 649 piso 5
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TECHNICAL DOSSIER

Title of the project	Ecosistemic recovery of El Peral lagoon
Authors	Macarena Cuevas Letelier
Title of the course	Graduate project workshop
Academic year	2018
Teaching Staff	Pedro Pedraza / Cristian Seguel
Department/Section/Program of belonging	Landscape area
University/School	Universidad Diego Portales

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

Nature sanctuary El Peral lagoon, is located in El Tabo, San Antonio, Valparaiso, Chile, is a wetland surrounded by urbanization, it has 25 hectares of protected land (approximately 16 correspond to the wetland), it was declared a sanctuary in 1975, and CONAF (national forest corporation) took over its administration in 1983. The wetland is an important migration point for birds that come from the northern hemisphere, which travel looking for nesting and feeding areas, so if the wetland disappears, the number of migratory birds will be reduced, because they should travel more distances to arrive to a new migration point.

The wetland is seasonal, it is dries some seasons in the year, due to climate change and low rainfalls in the past years.

The creation of a new sewerage network will allow water in the area to increase, it will also clean the water and pour it back into the wetland, helping to recover the water level of the wetlland, restoring the flora and fauna of the place, avoiding prolonged droughts. In addition, the sewage treatment plant would allow irrigate cultivation areas, both of orchards, and nurse-ponds characteristic of the wetland. Sludges that are obtained from water treatment would serve as fertilizers, and the water cycle could be used entirely.

The use of the sanctuary as a recreational and environmental education place, will integrate into the urban area, as a public space, that encourages care of the ecosystem and allow people to bond with it.

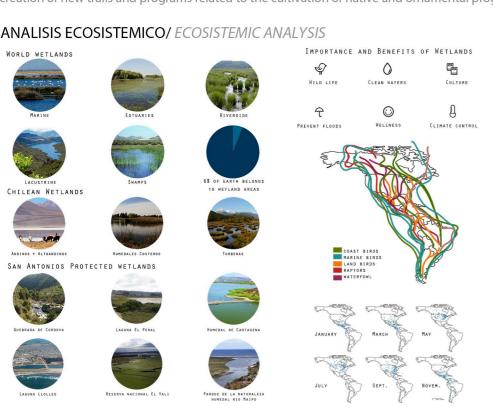
For further information

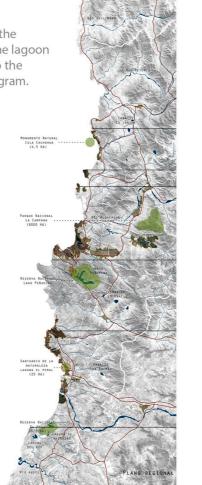
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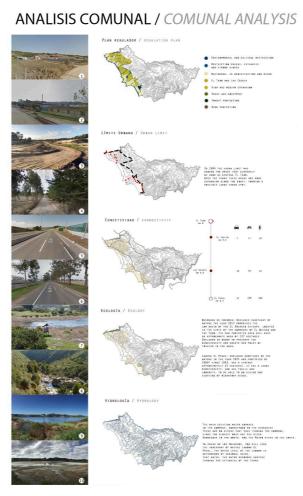
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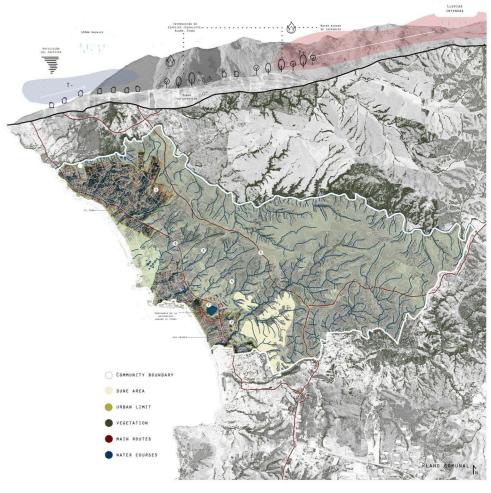
LAGUNA EL PERAL | RECUPERACIÓN ECOSISTÉMICA / ECOSYSTEMIC RECUPERATION

MEMORIA / ABSTRACT In order to recover the ecosystem of the sanctuary of nature Laguna El Peral, It is proposed the creation of a sewage treatment plant, which allows to recover the level of water lost from the lagoon and also nesting areas for the birds that travel from the northern hemisphere. In addition to the creation of new trails and programs related to the cultivation of native and ornamental program. ANALISIS ECOSISTEMICO/ ECOSISTEMIC ANALYSIS IMPORTANCE AND BENEFITS OF WETLANDS WORLD WETLANDS IMPORTANCE AND BENEFITS OF WETLANDS CLEAN MATERS CULTURE

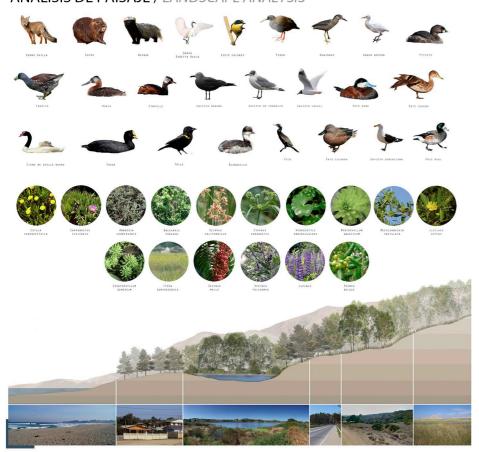


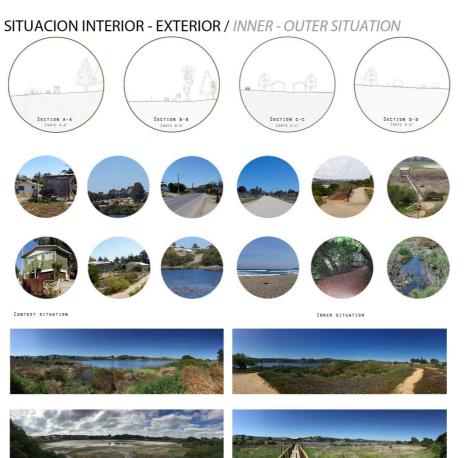




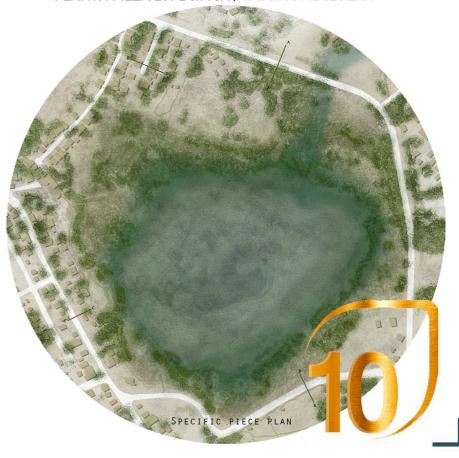


ANALISIS DE PAISAJE / LANDSCAPE ANALYSIS



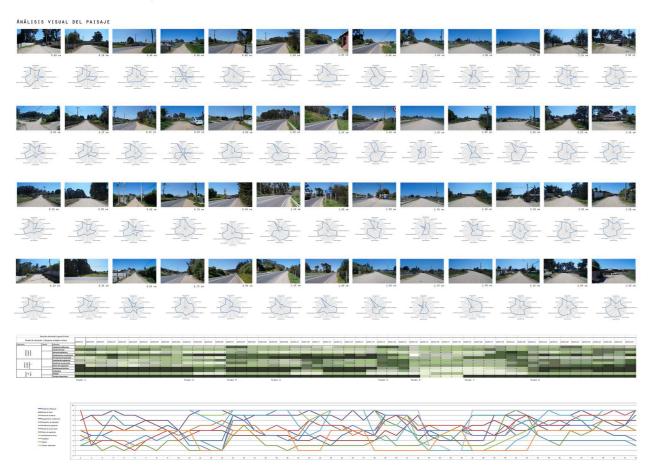






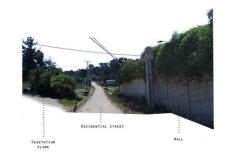
LAGUNA EL PERAL | RECUPERACIÓN ECOSISTÉMICA / ECOSYSTEMIC RECUPERATION

ANALISIS VISUAL DEL PAISAJE / VISUAL ANALYSIS OF LANDSCAPE



TRAMOS TIPO / TIPE SECTION



















ANALISIS DE ZONIFICACION / ZONING ANALYSIS







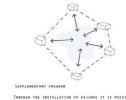


ESTRATEGIAS DE PROYECTO / DRAFT STRATEGY
ESTRATEGIAS DE PROYECTO











PLAN MAESTRO / MASTER PLAN





















LAGUNA EL PERAL | RECUPERACIÓN ECOSISTÉMICA / ECOSYSTEMIC RECUPERATION

