



Country / City	Santiago, Chile.
University / School	Universidad Diego Portales
Academic year	2017
Title of the project	Between Urban and Rural
Authors	Francisca Isabel Vergara Cabello





# 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	Between Urban and Rural
Authors	Francisca Isabel Vergara Cabello
Title of the course	Landscape workshop
Academic year	2017
Teaching Staff	Francisca Saelzer, Pedro Pedraza, Andrés San Martín
Department/Section/Program of belonging	
University/School	Universidad Diego Portales

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

This project develops in a workshop named "Landscape as Urbanism: New ways of urban livings for the outside metropolitan areas". The main objective of the project is to establish the landscape as the element which structures design at an urban and territorial scale, reorganizing and conducting energy and matter flows and creating new territorial combinations and potencialities. The case consists on the south peripheral expansion of Santiago, which under the actual suburban expansive models of its edges, consume agricultural lands and affects the eco-sistemic services given by the river and surrounding hills. Based on a territorial and landscaping proposal, the project looks forward to explore other ways of urban development, different from the city-countryside binomial, attaining a third model called the "rur-urban". This model establishes from a "Territorial Ordening Plan" (TOP) developed in landscape units and potential real estates, making a contribution to the integration and protection of Maipo River, its channels, riveras and the pre-existant natural elements like hills and agricultural plantations, considering it as a main active in the conformation of associated economies, feeding security themes and for its cultural and landscaping value. In its neighborhood approach, the project proposes a fluvial park of river edge that cleans and uses the water of the river generating recreational areas for the community and providing new rur-urban areas with mixed neighborhoods that set up starting from the natural and artificial river channels. The project looks forward to reconnect both edges of the freeway through a green infrastructure project.

For further information

**Máster d'Arquitectura del Paisatge -DUOT - UPC**

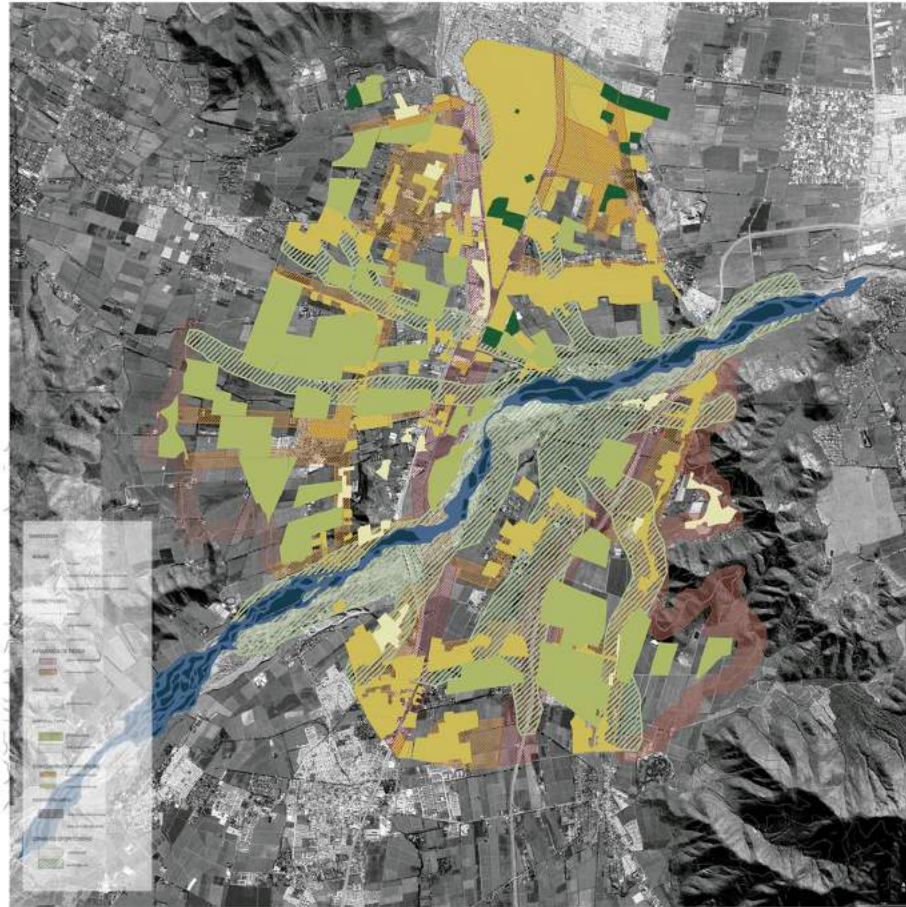
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Contact via email at: [biennial.paisatge@upc.edu](mailto:biennial.paisatge@upc.edu)

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

# RÍO MAIPO | LO RURURBANO: INTEGRACIÓN ENTRE URBANO Y RURAL / *BETWEEN URBAN AND RURAL*

## ANÁLISIS TERRITORIAL / *TERRITORIAL ANALYSIS*



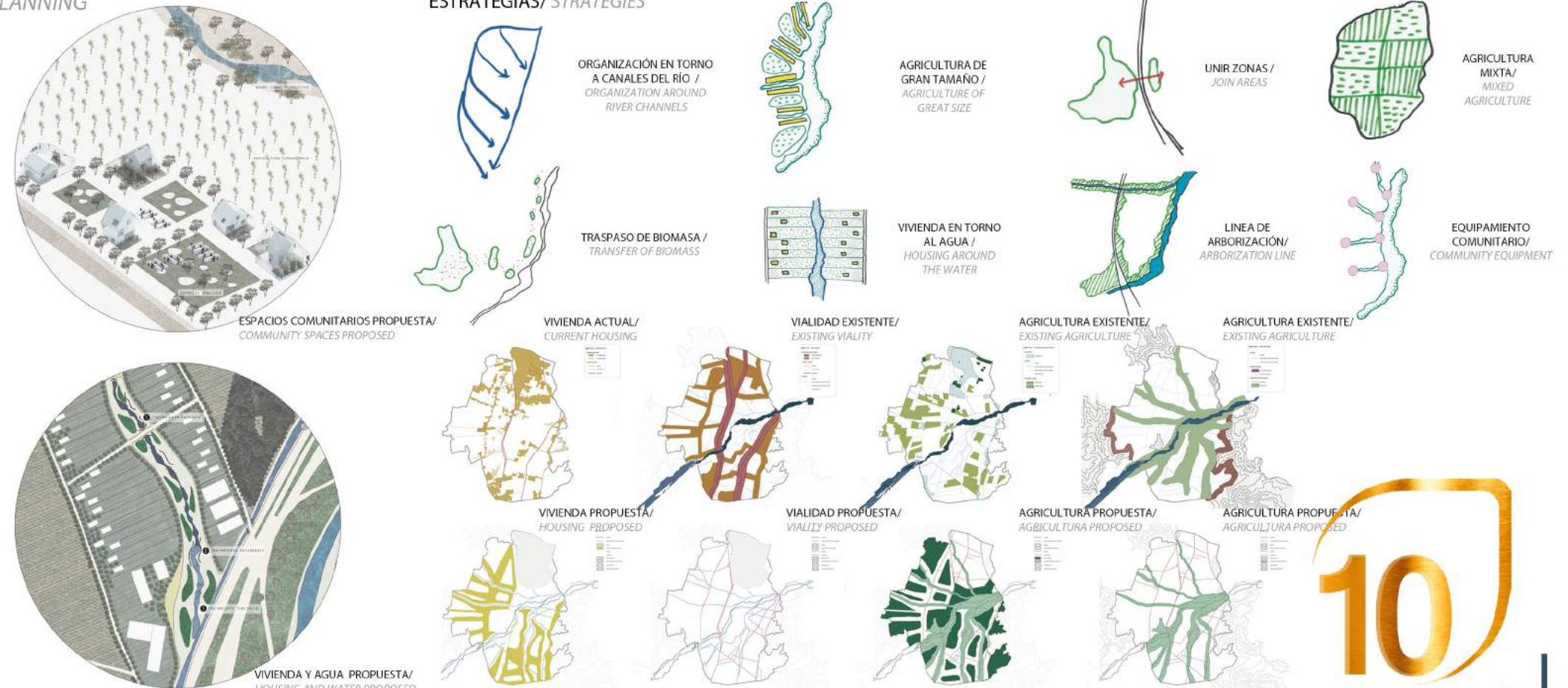
## SITUACIÓN ACTUAL / *CURRENT SITUATION*



## PLAN DE ORDENAMIENTO TERRITORIAL / *TERRITORIAL ARRANGEMENT PLANNING*

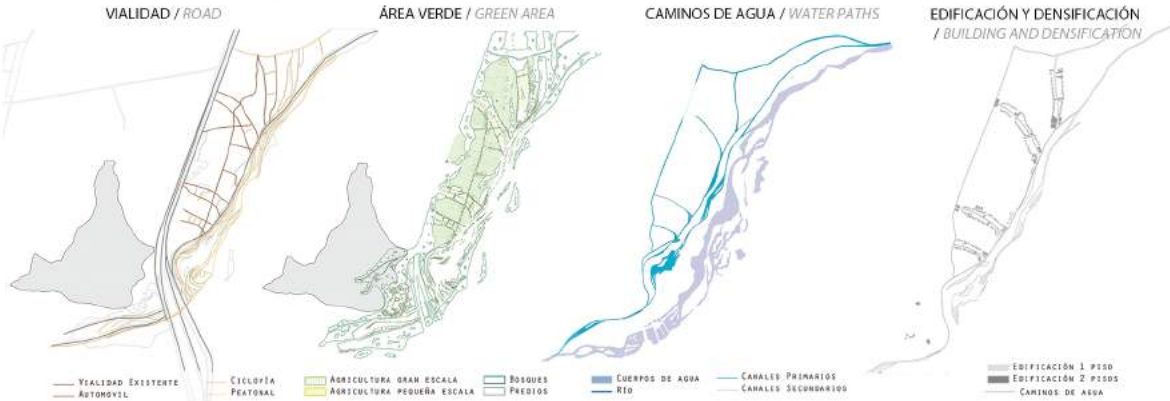


## ESTRATEGIAS / *STRATEGIES*



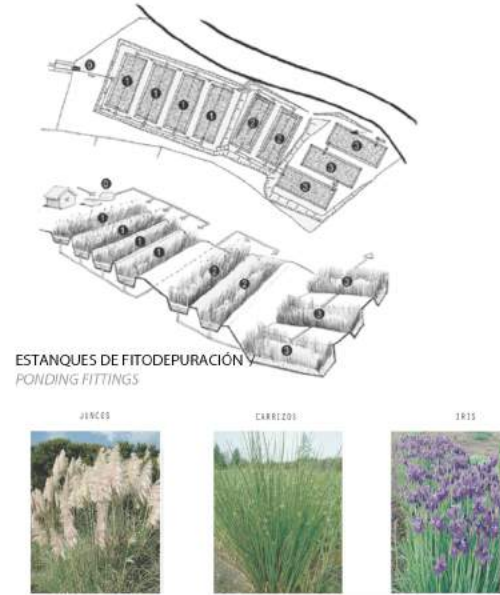
# RÍO MAIPO | LO RURURBANO: INTEGRACIÓN ENTRE URBANO Y RURAL / BETWEEN URBAN AND RURAL

## CAPAS DEL PROYECTO / LAYERS OF THE PROJECT



## FITODEPURACIÓN DE LAS AGUAS GRISES / FITODEPURATION OF THE GRAY WATERS

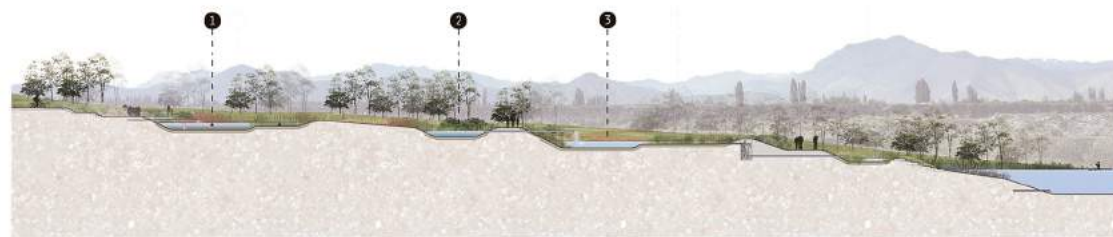
- 0 PRETRATAMIENTO: FILTROS CON GRAVILLA PARA LOS RESIDUOS MAYORES (CRIBADO, DESARENADO)
- 1 TRATAMIENTO PRIMARIO: RETIENE LAS MOLÉCULAS QUE ESTÁN EN SUSPENSIÓN EN EL AGUA. (FILTROS VEGETALES DE CARRIZOS: 4 ESTANQUES)
- 2 TRATAMIENTO TERCIARIO: ACTIVIDAD ANTIBACTERIANA Y CAPACIDAD DE DESTRUCCIÓN DE COMPUESTOS SINTÉTICOS (3 ESTANQUES EN SERIE, FILTROS VEGETALES DE JUNCOS Y DE IRIS EN EL ÚLTIMO ESTANQUE)
- 3 TRATAMIENTO SECUNDARIO: ELIMINA LAS MATERIAS ORGÁNICAS (INFILTRACIÓN EN ARENA: 2 ESTANQUES)



PENDIENTE BAJADA: 4% (NATURAL DEL TERRENO)  
SUPERFICIE POR ESTANQUE: 90 M<sup>2</sup>

FUENTE: WATERSCAPES. EL TRATAMIENTO DE AGUAS RESIDUALES MEDIANTE SISTEMAS VEGETALES.

## CORTE 1 PARQUE FLUVIAL Y FITODEPURACIÓN / SECTION 1 FLUVIAL - FITODEPURATION



## CORTE 2 VIVIENDA Y AGRICULTURA / SECTION 2 HOUSING AND AGRICULTURE



## CORTE 3 BIO PASARELA / SECTION 3 ECO BRIDGE



## PLAN MAESTRO RÍO MAIPO / RÍO MAIPO MASTER PLAN



# RÍO MAIPO | LO RURURBANO: INTEGRACIÓN ENTRE URBANO Y RURAL / *BETWEEN URBAN AND RURAL*

SITUACIÓN PROPUESTA / *PROPOSED SITUATION*

