

Le rêve exotique  
Henri Julien Félix Rousseau (1910)



Country / City Chile, Santiago.

University / School Universidad Central de Chile, Landscape Architecture

Academic year 2019

Title of the project Landscape Fragments: "Utopias and Ambitions for a new landscape, from The Urbans Voids perspective and The Biological Full perspective"

Authors Karla Geraldine Alvarado Silva

## TECHNICAL DATA

<b>Title of the project</b>	<b>Landscape Fragments:</b> "Utopias and Ambitions for a new landscape, from The Urbans Voids perspective and The Biological Full perspective"
<b>Authors</b>	Karla Geraldine Alvarado Silva
<b>Title of the course</b>	Landscape architect degree project
<b>Academic year</b>	2019
<b>Teaching Staff</b>	Gregorio Brugnoli Errázuriz - Francisca Fernández Cano
<b>Department/Section/Program of belonging</b>	Landscape architecture
<b>University/School</b>	Universidad Central de Chile, School of Engineering and architecture



### Landscape Fragments:

"Utopias and Ambitions for a new landscape, from The Urbans Voids perspective and The Biological Full perspective"

Urban voids occupy space in the urban fabric without fulfilling a practical function, but these 'not places' are worthy of intervention because they are an opportunity to achieve points of dialogue between the urban dwellers and their city. This project has the mission of mitigate the effects that densification and its derivatives exert on the environment and society. The urban voids are almost always ephemeral spaces that are jumping in time throughout the city but that together make up peculiar landscapes worthy of study and intervention to help them reach their true potential. Contrary to a more utilitarian vision, this project proposes that urban voids have an enormous wealth, especially in the area of ecology, because the voids have potential life. This can be verified by the seed banks present in all the urban voids, and the intrinsic capacity that any void has of being able to contain everything, which enables them to become fragments of a hidden landscape that threatens to appear with strength and vigor, like a serene silence amid an architectural noise that seems to invade every sector of the city. The present project postulates a model that can be applied to any urban void inserted in any city, since it has the capacity to be flexible and adaptable to different contexts, reactivating the voids as participants of the dynamics of the city, mitigating the impact that urban processes have on the environment and the primary nature of the soil that allows us to subsist.

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# CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020  
SCHOOL PRIZE



# Landscape Fragments: "Utopias and Ambitions for a new landscape, from The Urbans Voids perspective and The Biological Full perspective"

Key words: Fragments, terrain vague, urban voids, seed banks, third landscape.

The ambitious idea is to imagine a city imbued with fragments of landscape as new public spaces, giving new meaning to vacant land, and turning it into new settings for nature and the manifestation of urban activities in highly densified areas. It is proposed to present a case study representing dense cities, approaching the urban heart of Santiago de Chile, where the fragments are getting smaller and the real estate offer has been increasing, being seen as useless spaces by the big developers. The project is an invitation to create new images in an empty landscape for the real estate companies, but full of life for the biodiversity.

- 1 To revitalize urban voids, presenting them as strategic and active urban pieces in the design, configuration and dynamics of the city.
- 2 To propose a new meaning to urban voids, giving them a new use and value for the community and for urban biodiversity. Building landscapes with primitive plants as protagonists.



how?

Study of spatial preexistence (void)

Study of context (place)

Study of the new landscape (full)

STRUCTURE

**Fixed variables:** Defines the order and meets the essential characteristics to face a universal urban void.

**Variables for each case:** Defines the flexibility, functionality and role of the void for the immediate context, determines the fate of particular urban pieces.

**TPOLOGY: ISLAND FRAGMENTS**  
*The Urban Void dialogues with two languages:  
 high-rise buildings and low neighborhood houses*

CASO 1 : 33°27'28.83" S y 70°41'31.31" O.

The drawing schematically shows the network of fragments that were found in the communal plan of Estación Central, Santiago de Chile.





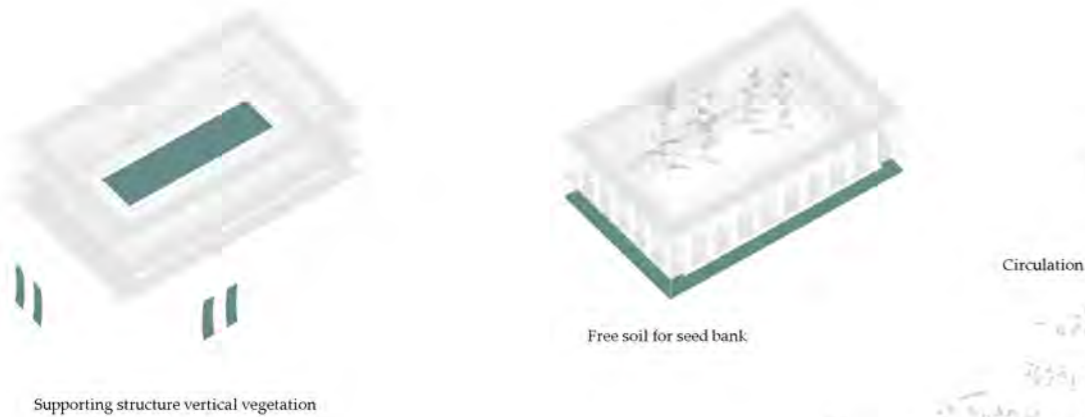
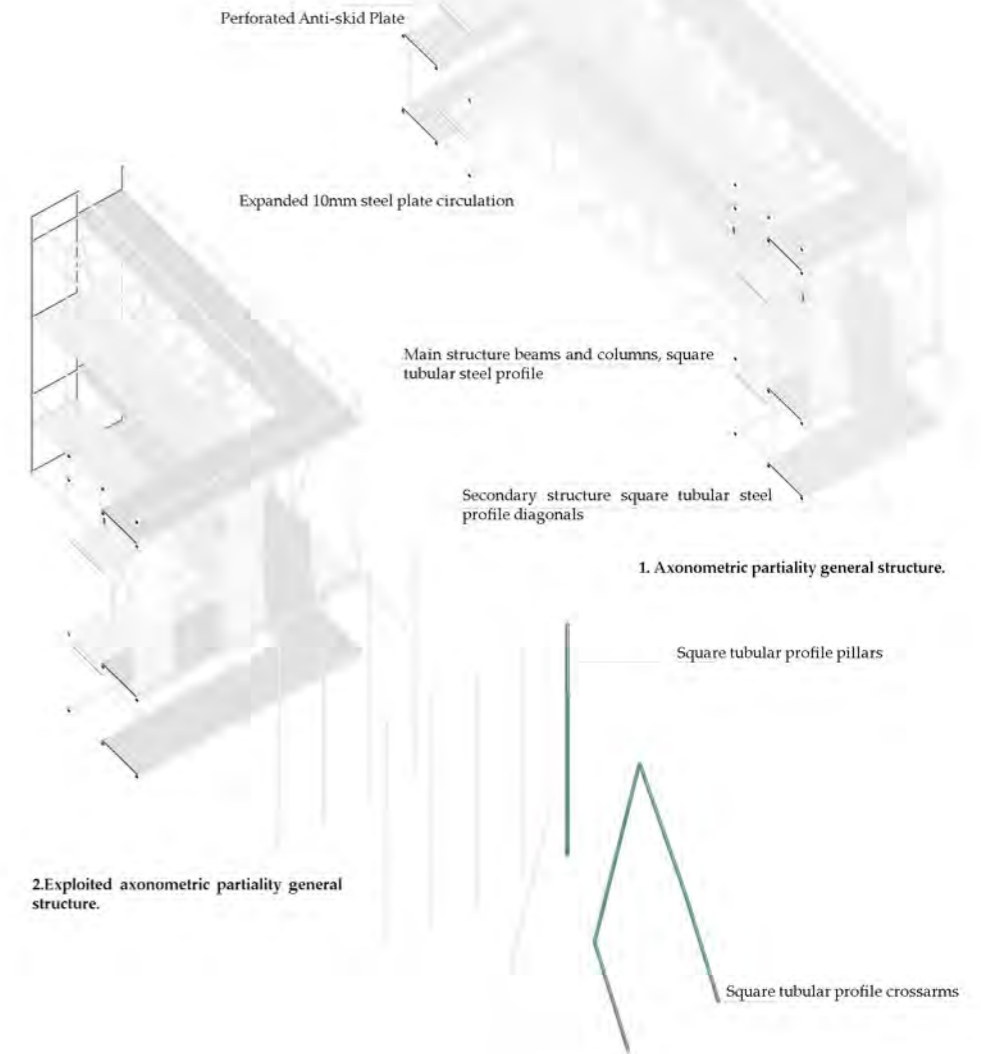
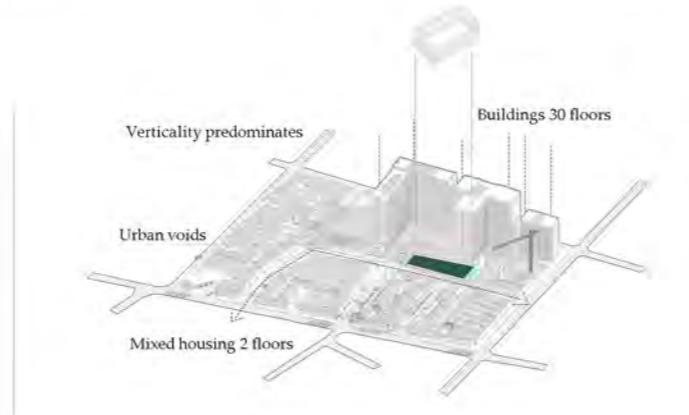
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The selected case corresponds to a highly densified area, a commune where the real estate offer has increased and the exploitation of urban fragments is becoming everyday more common. Estación Central has been colonized by high-rise towers (real estate terrorism phenomenon), which has brought serious urban, domestic and environmental problems, modifying the urban landscape and occupying 100% of the land without handing over green areas to the commune.

## THE PROJECT CASE

- A** Project strategies:
- Establish an intermediate scale of project that can function as a mediating piece between both contrasting languages.
  - Eliminate party walls in the 'towers' area and the perimeter walls of the urban void.
  - Integrate the dead end street.

- B** Design principles:
- Raise an umbracle, a large steel structure fully permeable and habitable with 3 levels (mediating piece).
  - Use the natural soil as a protection space for the seed bank.
  - Enable the structure for the community and for the establishment of vegetation as a urban biodiversity shelter.



## IN A LANDSCAPE

Schematic longitudinal section.  
Proposed vegetation- native trees  
Free soil for seed bank



## Ancient Garden

- |                             |                           |
|-----------------------------|---------------------------|
| <i>Amsinckia calycina</i>   | <i>Maytenus boaria</i>    |
| <i>Baccharis linearis</i>   | <i>Sophora macrocarpa</i> |
| <i>Bromus catharticus</i>   | <i>Quillaja saponaria</i> |
| <i>Beta vulgaris</i>        |                           |
| <i>Brassica campestris</i>  |                           |
| <i>Brassica nigra</i>       |                           |
| <i>Conyza bonariensis</i>   |                           |
| <i>Chenopodium album</i>    |                           |
| <i>Gnaphalium viravira</i>  |                           |
| <i>Nicotiana glauca</i>     |                           |
| <i>Solanum crispum</i>      |                           |
| <i>Senecio vulgaris</i>     |                           |
| <i>Sisymbrium irium</i>     |                           |
| <i>Taraxacum officinale</i> |                           |
| <i>Urtica urens</i>         |                           |
| <i>Veronica persica</i>     |                           |
| <i>Vulpia bromoides</i>     |                           |



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1 Proposed vegetation- native trees

2 Free soil for seed bank  
Seeds wind

3 Free soil for seed bank  
-Possibilities -