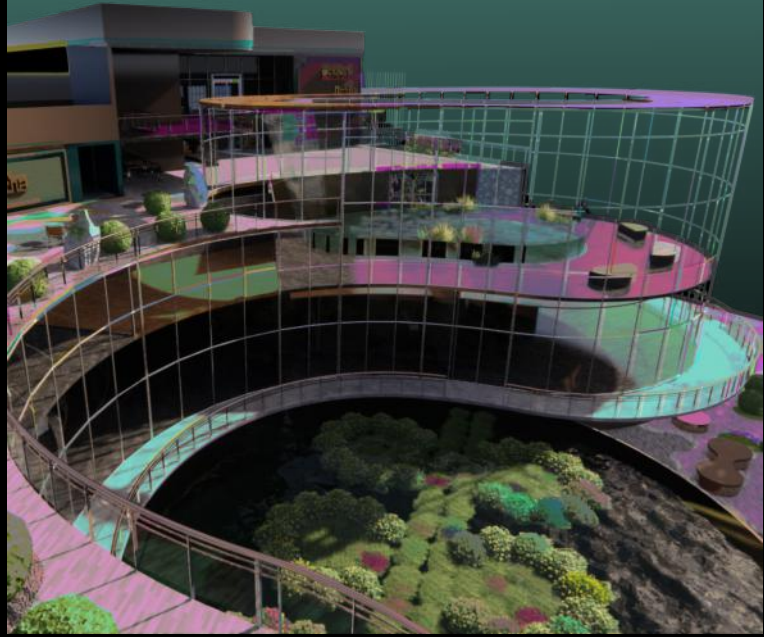


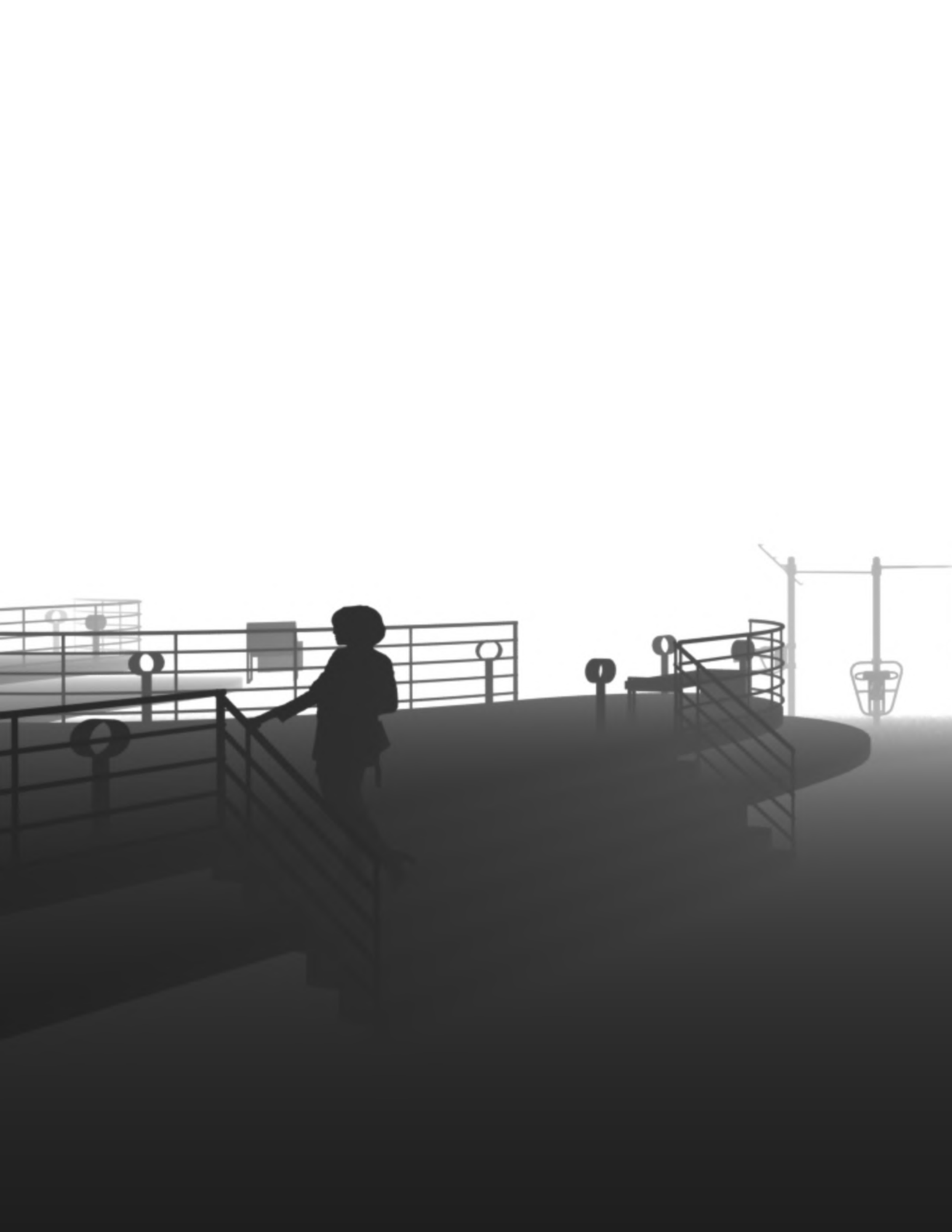
# PORTFOLIO

2023



designer & creative


architecture and urban planning








# GABRIEL HERNANDEZ RODRIGUEZ


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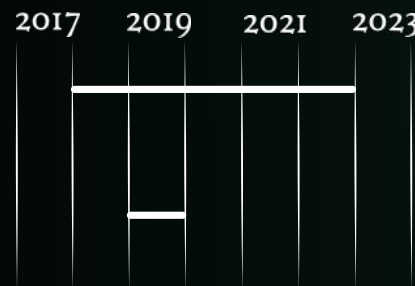
 <https://orcid.org/0000-0003-0600-3723>

lgrav.33@gmail.com 

## EDUCATION

IPN - ESIA | Tecamachalco (Mexico)  
Engineer Architect

ADOC - X - UAM | Xochimilco (Mexico)  
Diploma for Responsible Construction Managers  
and Architectural and Urban Design Coordinators



## SOFT SKILLS

team work



creativity



assertiveness



responsability



punctuality



productivity



## LANGUAGES

Spanish native

English A2

## PROFESSIONALS SKILLS

reasearch



virtual tour



3D modeling



graphic design



'Experience is not what happens to you,  
but what you do with what happens to you.'

Aldous Huxley



# PROFESIONAL EXPERIENCE

**Pre-Project Design + Draft  
+ BIM Modeling  
(Freelance)**

Six Convenience Stores,  
Residencial in Tequesquitengo  
and **Aero** Café Bar Playa del  
Carmen

2020-2023

**Construction Control +  
Site Supervisor**

Participation in Coppel,  
Kimberly Clark and Palacio de  
Hierro with the company  
**GM IPSUM S.A. de C.V.**

2022 - 2023

**PhD Research Assistant**

Doctorate in Urban Planning  
at the **School of Engineering  
and Architecture Campus:  
Tecamachalco**

2019 - 2022

**Contruction Resident**

Construction of a sewage sewer  
system for the suburbs "La  
Esmeralda", with the company  
RIFEC: Consultants

2017 - 2018

**Contractor**

Participation in renovations at  
the Presidente Liceo Kennedy  
School with the company  
**ModuloR**

2018 - 2019

**CAD Draftsman +  
Work Control**

Participaciones in Great Wolf  
with **MAi Group: Technological  
Innovation in Intelligent  
Installations**

2019 - 2020

# SOFTWARES DOMAIN

Revit



AutoCad



QGis



Affinity Designer



Affinity Photo



Affinity Publisher



Filmora



Enscape



Office  
(Word, Power Point, Excel)



# ACADEMIC PARTICIPATIONS

**Proof | Conference "Urban  
Expansion and  
Environment  
Deterioration"**  
in the frame work of the  
conference on Spatial Justice,  
Sustainability and Gender

2021 (MEXICO)

**Presentation |  
#Ideas2021Contest  
#WorldHabitatDay**  
organized by C+LAB@  
Arquine© and Monterrey  
Tec

2021 (MEXICO)

**Proof | Talk "Complexity in  
urban systems, urban  
sprawl and environmental  
deterioration**  
at the 3rd Polytechnic Meeting  
of the Network of Experts in  
Complex Systems

2020 (MEXICO)

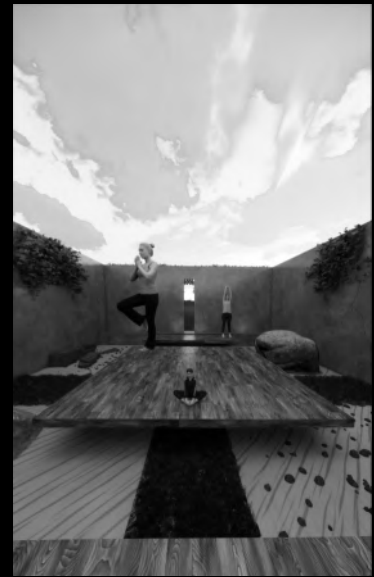


Contest

## Prado Vallejo 3Mil

(Residential Park)

05

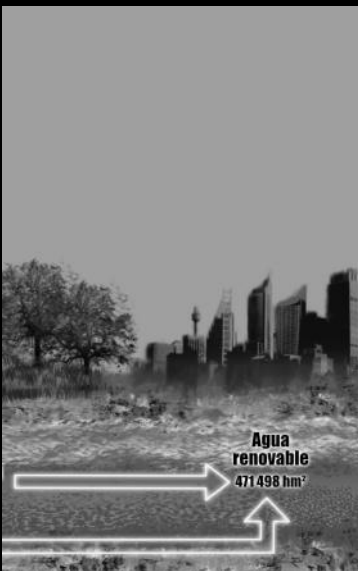


Post + Workshop

## English & Zen Garden

(Landscape Architecture)

11



Participations

## Vector Design

(Graphic Representations of Urban Themes)

15

# ARCHITECTURE & INTERIOR DESIGN

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Preliminary Project

## Residence in Tequesquitengo (Jojutla, Morelos)

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Microcemento Walls

## Epsilon H|M “Palacio de Hierro”

(Mitika Coyoacán)

21



Architectural and Executive Project

## Regional Museum “Axcoyaatl”

(Terminall Project)

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Area view of a section of the project's thinner median | Enscape | Revit





Urban Intervention Proposal

# Prado Vallejo 3Mil

Residential Park | Tlalnepantla de Baz | Mexico | 2021

A field analysis in the area shows a deterioration of the place, so the area of opportunity will generate a sense of identity.

The urban-architectural spaces are created to be enjoyed and used by local users, being one of the residential areas adjacent to the north-east side of the CDMX, and are made up of several sidewalks that unite the neighborhood, a church atrium and a park.

Fluidity is the main concept of the project, mimicking the humid and rainy climate of the Valley of Mexico.

Park Area	9 197,16 m <sup>2</sup>
Area of Walkways	17 414,56 m <sup>2</sup>
Atrium Area	540,57 m <sup>2</sup>
Total Land Area	27 152,59 m <sup>2</sup>

Open-air Auditorium	426,41 m <sup>2</sup>
Display Area	

Transitional platform to the main outdoor gym



Transitional platform for local food stalls and multipurpose court





Church atrium, with playground, bike parking and tamales area....









The plan is to leave gutters on the main walkway for rainwater collection, as this is a place with a high rainy season and would prevent flooding

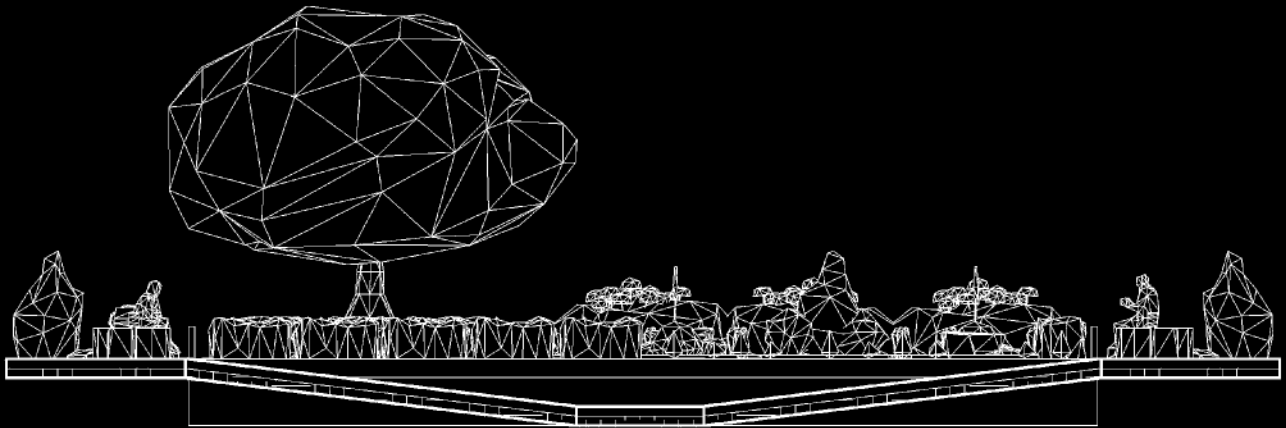


Post + Workshop

# English Garden

Imaginary space | - | Area of 20 x 10 mts | 2021

Space made for a pleasant stay and a tour  
accompanied by the semi-aquatic vegetation  
of the place...



...the basic forms are altered for their more  
elemental decomposition creating  
unevenness giving a second atmosphere.



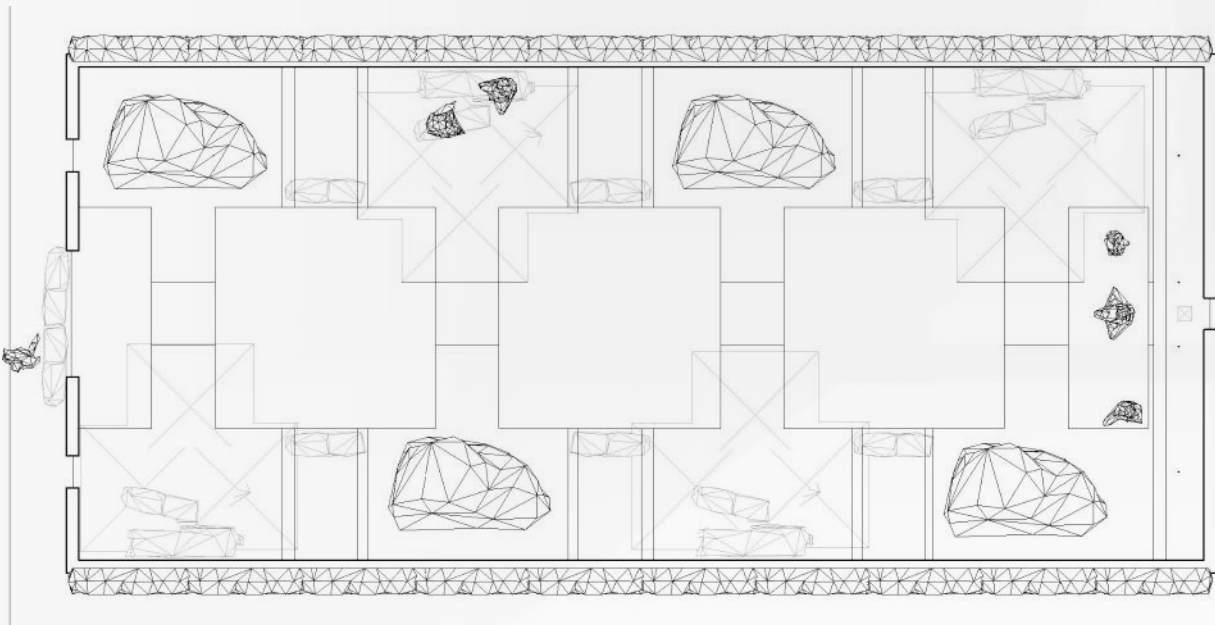


Post + Workshop

# Zen Garden

Imaginary space | - | Area of 20 x 10 mts | 2021

Focusing on transmitting an atmosphere of tranquility and isolation so that the peaceful environment is the main host



The rhythm and the repetition are the architectural elements that compose it, being the parallelepiped the figure that is the protagonist

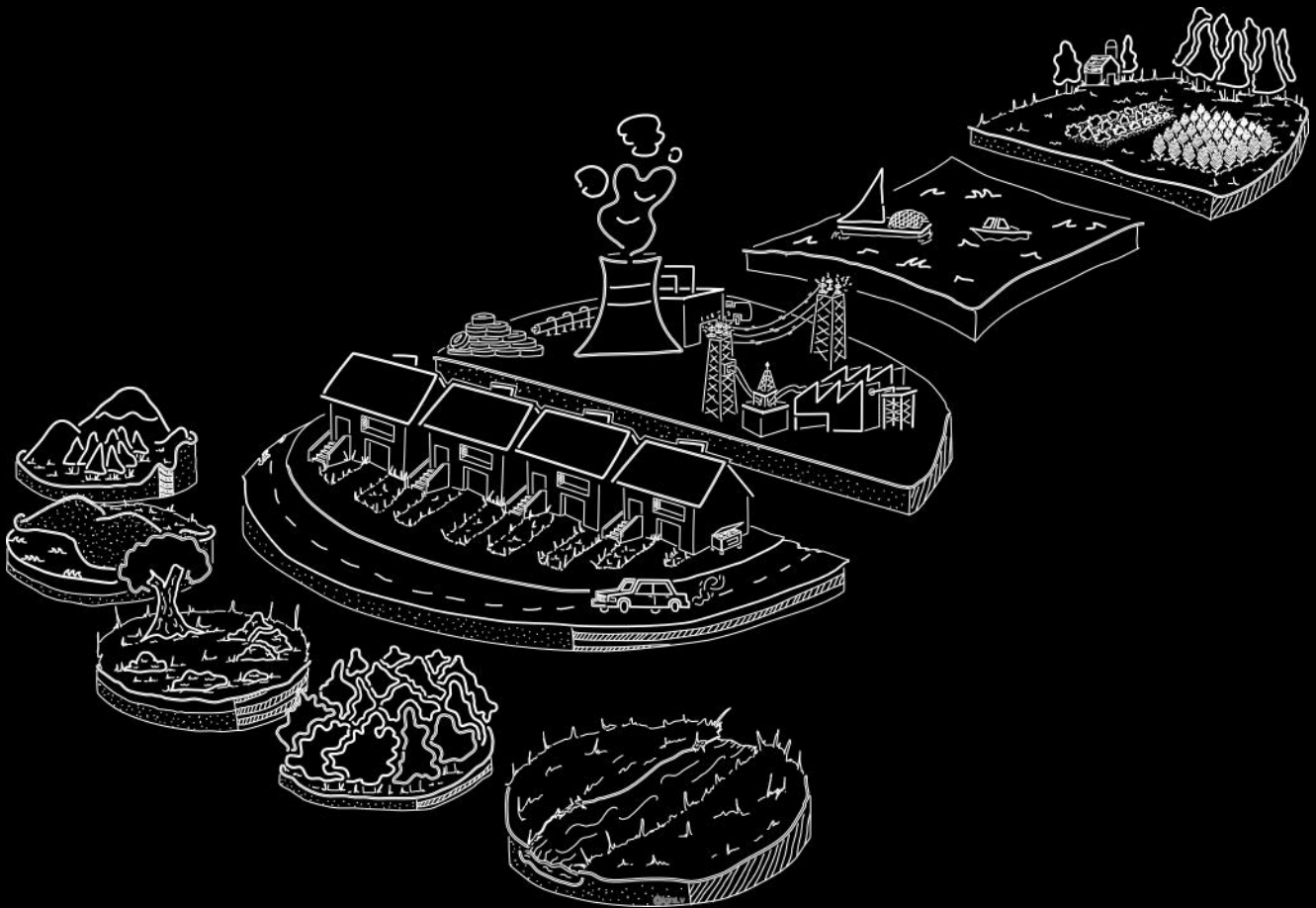


Figure for Presentation

# Ecological Footprint

Complex Systems Expert Network | Vectorial image | Own elaboration | 2020

Graphical representation of the percentage  
of urbanized land and the remaining  
undeveloped land





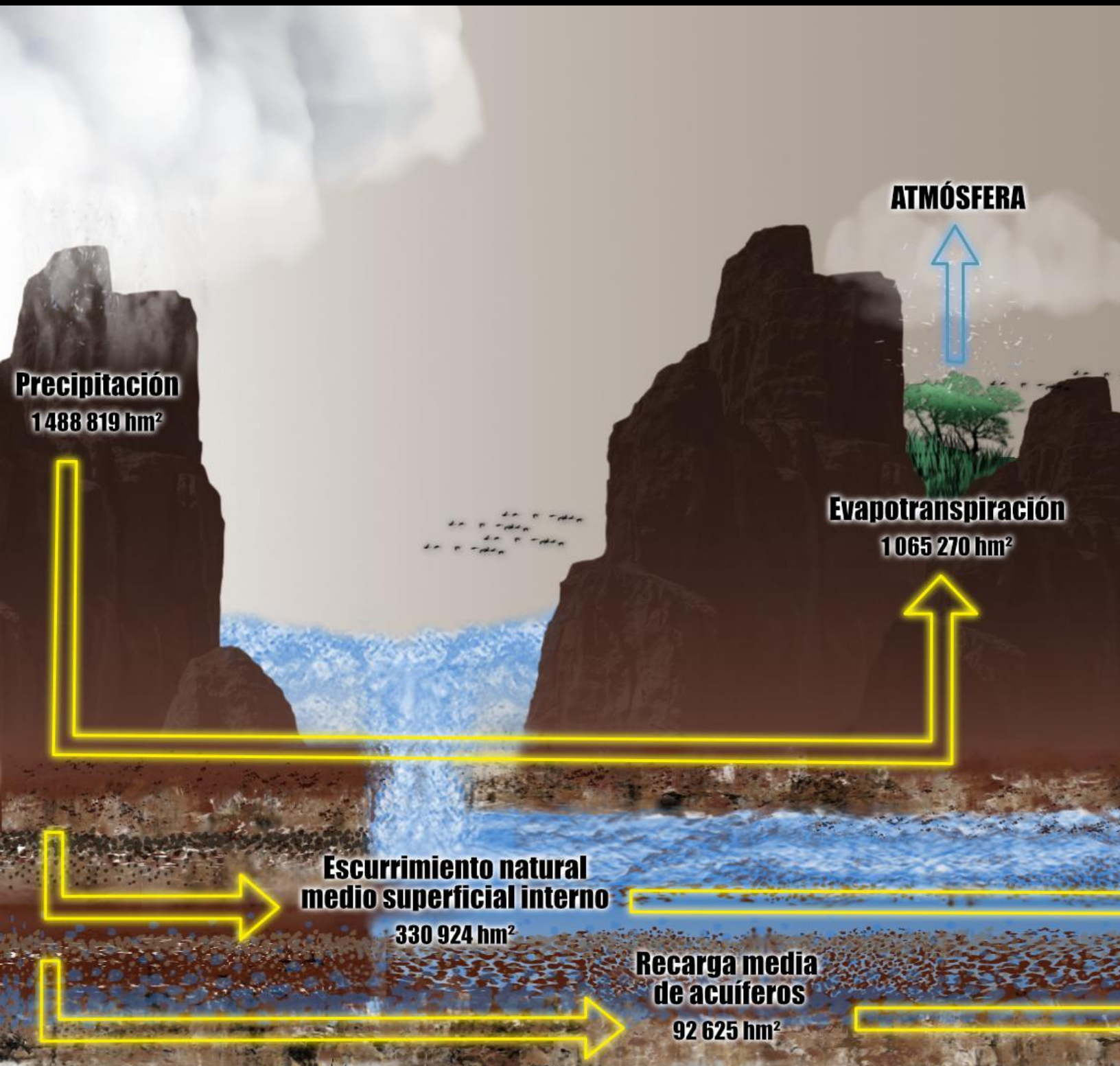
# ContestIdeas2021

# #WorldHabitatDay

C + LAB © Arquine © and TEC of Monterrey | Vectorial image | Own elaboration | 2021

Graphic representation of the different ecological footprints we have left around the planet



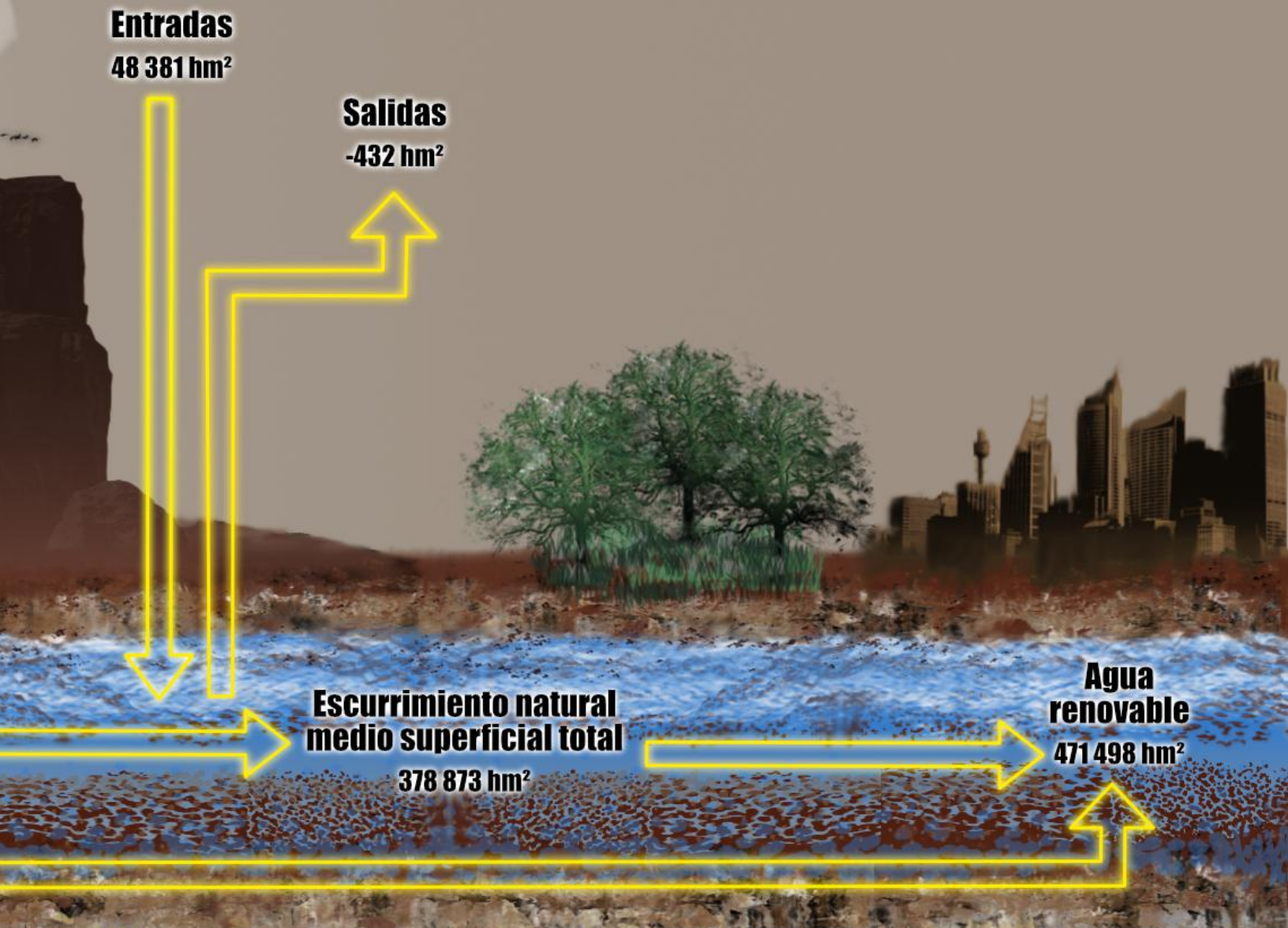


Graphical explanation of a process to reach the Metropolitan Zone of the Valley of Mexico...



# Aquifers Recharge

Cut in the recharge of the aquifers | Vectorial image | Own elaboration | 2020



Preliminary Project

# RESIDENCE IN TEQUESQUITENGO

Residential House | Jojutla | Morelos | 2020

Architectural proposal for interior design as a private pre-project for a house in Tequesquitengo, Morelos



...for its realization there was a complete study to have the optimum performance both in space and aesthetics...

Free Surface Area	240 m <sup>2</sup>
Constructed Surface	182 m <sup>2</sup>
Total Land Area	395 m <sup>2</sup>





Microcement

# EPSILON W | M

Epsilon - Palacio de Hierro | Mitika Coyoacán | México | 2022

Bomanite's Micro-Top craftwork, a three-part cementitious polymer material applied to the walls of a department store...



Render of Epsilon | Palacio de Hierro

...this project was carried out to generate a semi-polished concrete appearance, avoiding pastes, giving a resistance, texture and appearance similar to concrete without being plastic





Masonite Walls | Epsilon Ladies | Ground Floor



Walls with Micro-Top Coating | Epsilon Ladies | Ground Floor



Masonite Walls | Epsilon Gentlemen | Palacio de Hierro | Level 2



Walls with Micro-Top Coating | Epsilon Gentlemen | Palacio de Hierro | Level 2





Photographs of Microcemento tables | Palacio de Hierro | 2022





## Microcemento Tables | Palacio de Hierro | 2022

this finish can reduce drying times and improve appearance while providing exceptional abrasion resistance, ideal for interior and exterior use



The background of the entire page is a dark gray architectural site plan. It features various geometric shapes, lines, and shaded areas representing building footprints, courtyards, and site boundaries. The lines are white and light gray, creating a complex, layered map of the project site.

Architectural Executive Project

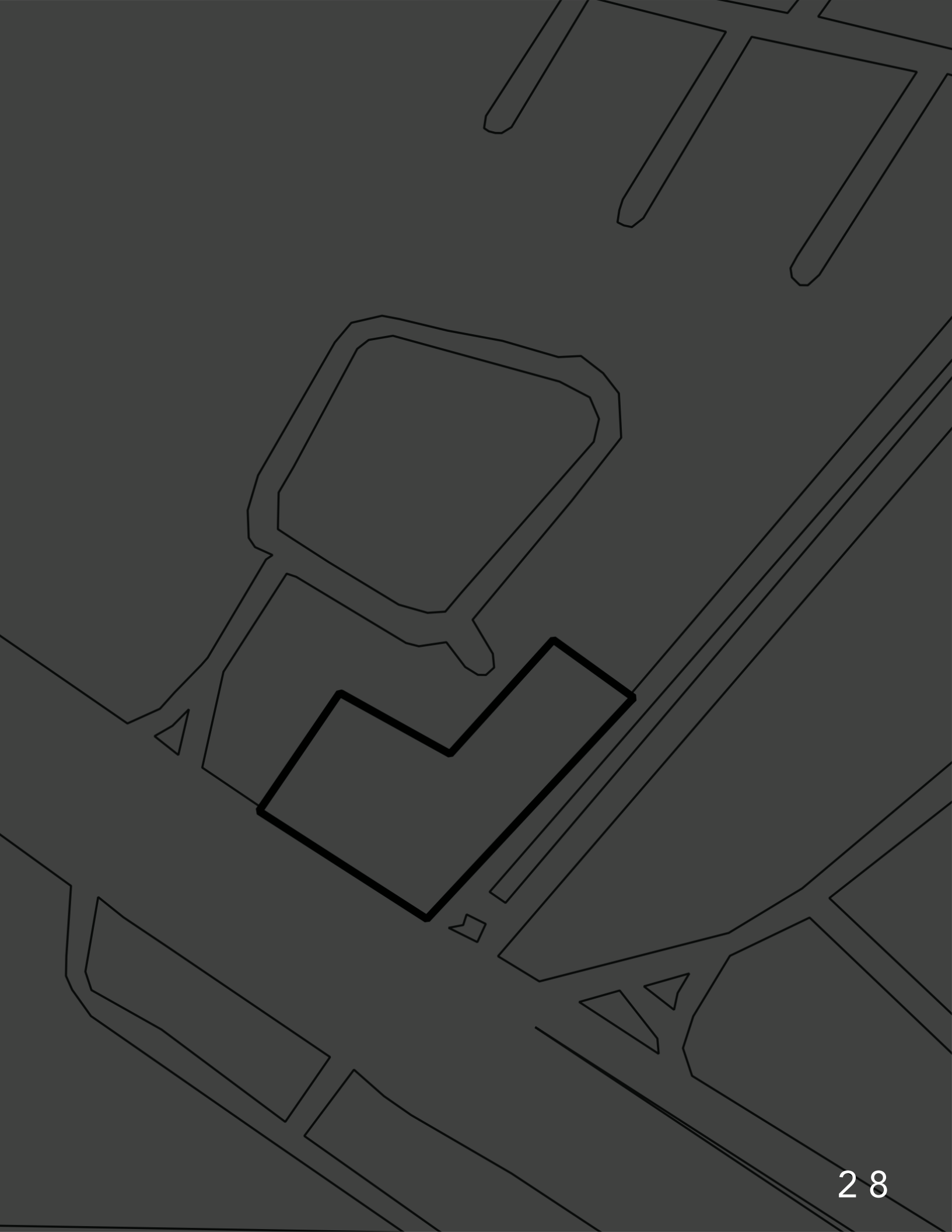
# Axcoyaatl

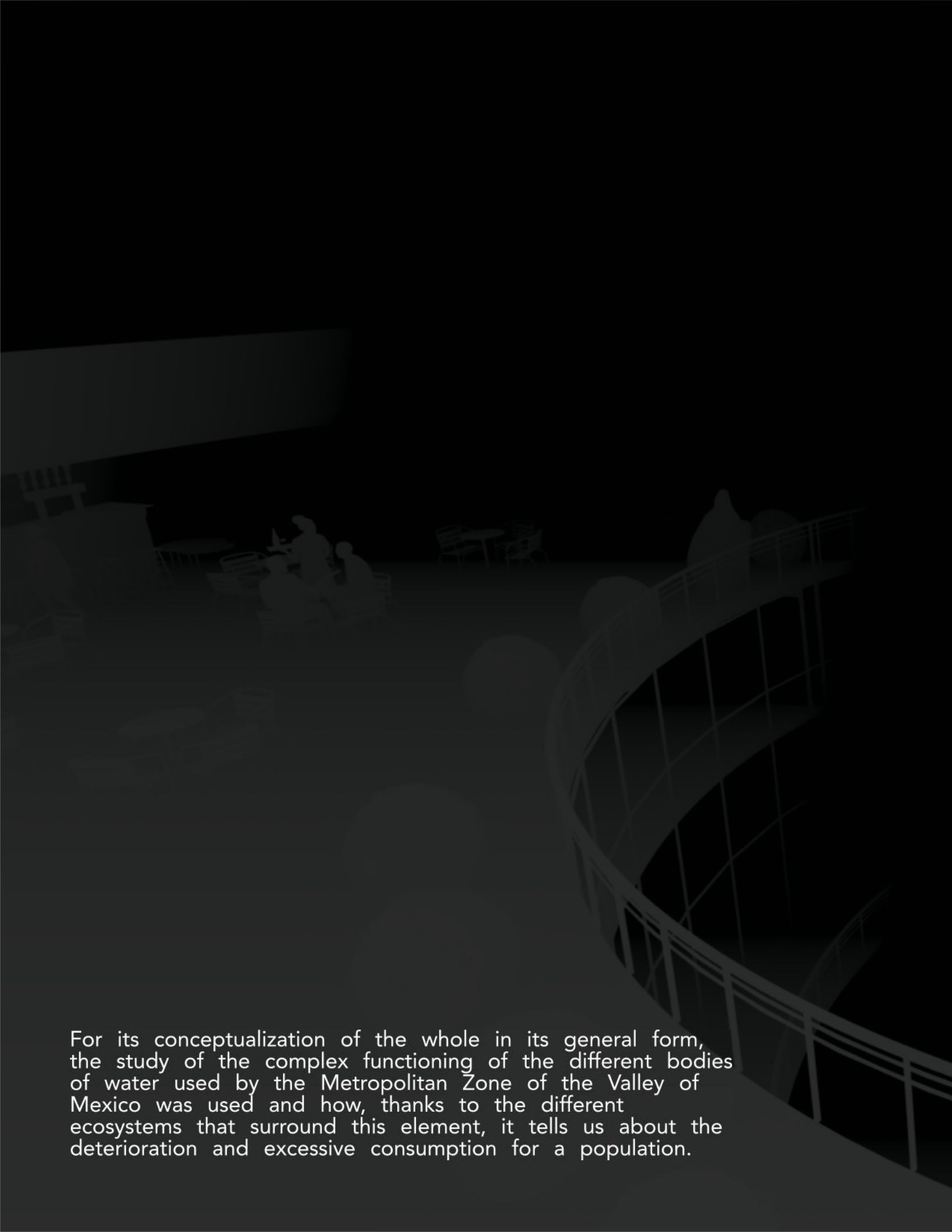
Regional Water Care Museum | Naucalpan | Mexico | 2022

The area of the site has a high level of education and university research, generating an important factor for the project, being a building with three permanent exhibition halls and three temporary exhibition halls divided into two levels.

This regional museum seeks to be at the level of diffusion and research centers, regarding the bodies of water in the Metropolitan Zone of the Valley of Mexico and how they have been used, exploited or drained, generating a commitment to the aquifer recharge of the area.

Building Height	14,50 m
Permeable Open Area	2 581,50 m <sup>2</sup>
Roofing Area	2 760,03 m <sup>2</sup>
Property Area	5 341,53 m <sup>2</sup>



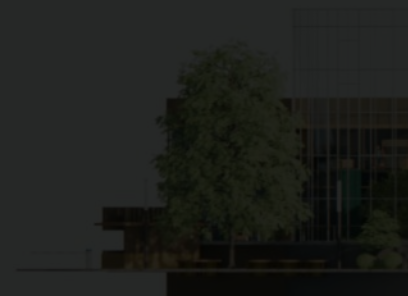
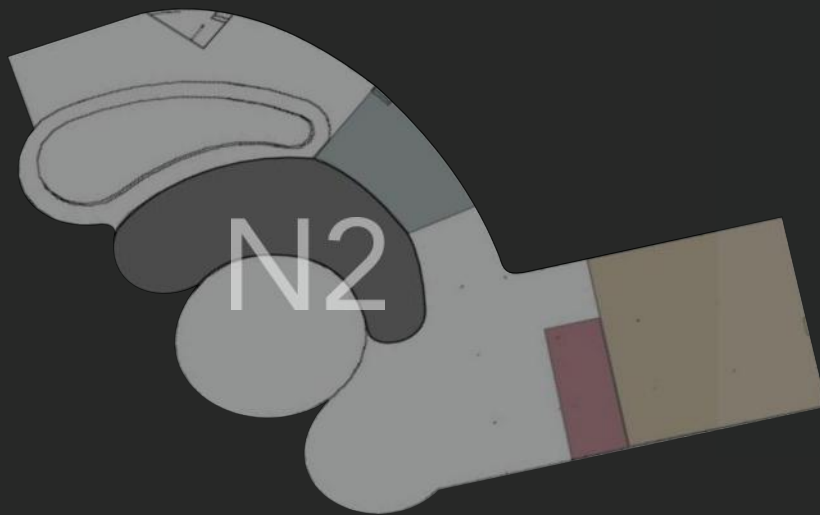
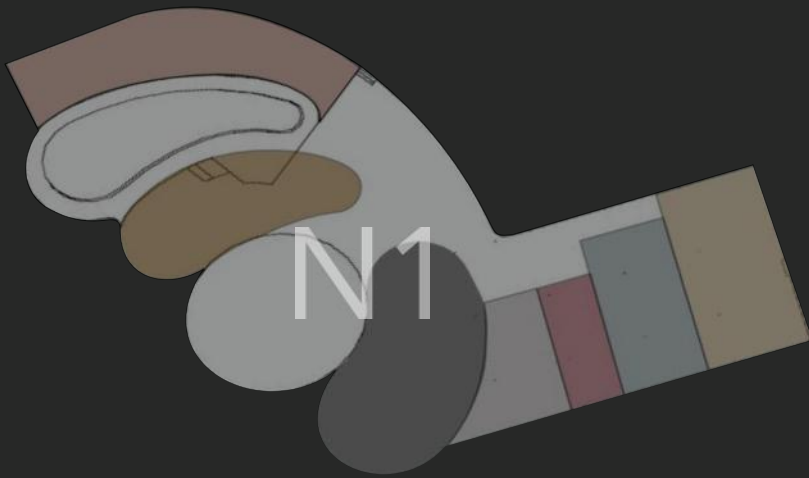
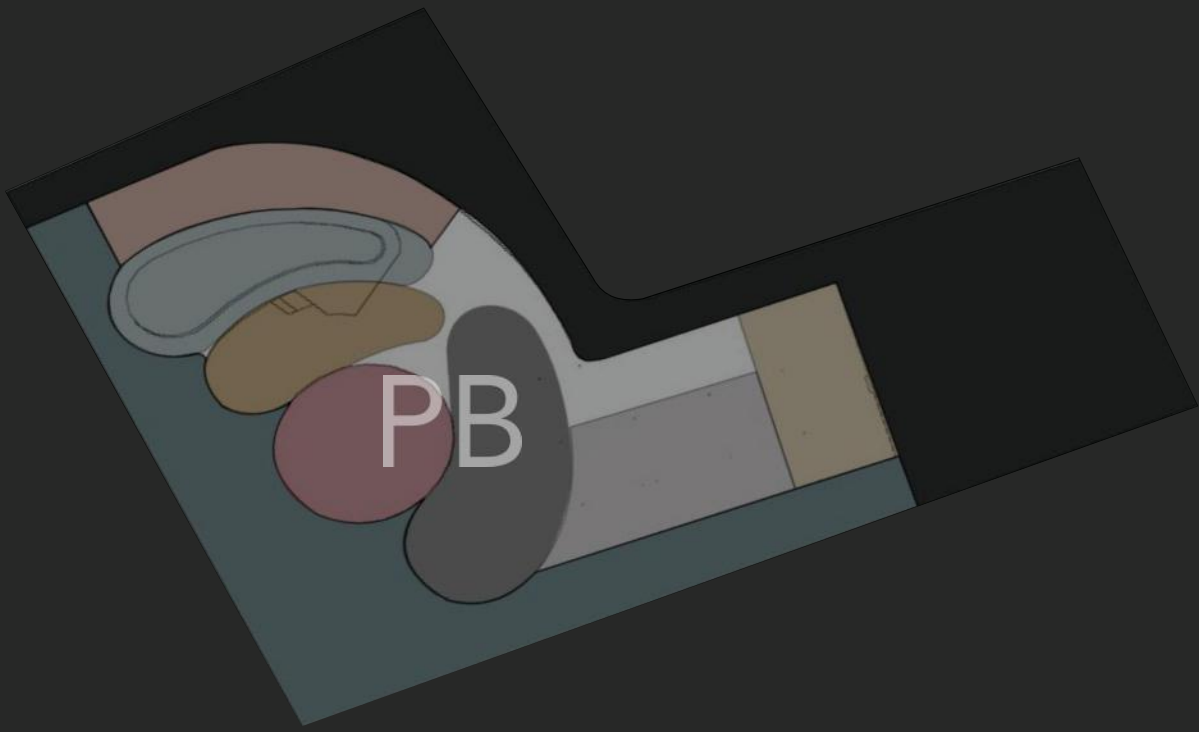


For its conceptualization of the whole in its general form, the study of the complex functioning of the different bodies of water used by the Metropolitan Zone of the Valley of Mexico was used and how, thanks to the different ecosystems that surround this element, it tells us about the deterioration and excessive consumption for a population.

Sala Texcoco: Permanent outdoor exhibit where the Chinampas system will be applied for sustainable hydro-agricultural use, using the space for growing blackberry, rosemary and lavender, which will be used in the cafeteria.


Madin Hall: Being the main permanent exhibition, it is a tank with an open lid where it will be shown how the case of Madin Lake is a success as a protected and cared ecosystem. There will be a replica of the original ecosystem.

Zumpango Hall: It will be appreciated the drain that will exist in an abrupt way attacked by the gentrification of the surroundings of the Zumpango Lagoon in these last years for the government's construction projects.




- Permanent Outdoor Exhibition Hall (Texcoco)
- Lockers and Cloakroom
- Main Permanent Exhibition Hall (Madin Dam)
- Temporary Exhibition Hall A
- Administrative Offices
- Research laboratories
- Maintenance Shops and Machine Room
- Recreation Area
- Parking

- Permanent Exhibition Hall at the Zumpango Lagoon
- Temporary Exhibition Hall B
- Temporary Exhibition Hall C
- Library (Tamatiliztli)
- Harvesting and Agriculture Workshop
- Warehouse and Maintenance Area
- Management and Accounting Area

- 
- Cafeteria (Boxha)
  - Terrace
  - Museum Store
  - Auditorium





For the Nahuatl, water is the source of life.  
The name Axcoyaatl comes from the Nahuatl  
cxo: place atl: water, giving the composition  
*"Place of sacred water"*





General Reception | Axcoyaatl Regional Museum | Enscape | Revit



Employee Reception | Axcoyaatl Regional Museum | Enscape | Revit






Biology Laboratory | Axcoyaatl Regional Museum | Enscape | Revit



Tamatiliztli (Library) | Axcoyaatl Regional Museum | Enscape | Revit

The image is a dark, monochromatic architectural rendering of a modern building's interior. It features a prominent curved glass facade that reflects the surrounding environment. In the foreground, a curved walkway or ramp is visible, supported by a series of vertical columns. To the left, there is a large, dense, rounded planter with various types of foliage. The overall atmosphere is sleek and contemporary, with a focus on geometric forms and light reflection through the glass panels.

For the horizontal structural system it will be Ternium Losacero, for the vertical system HSS columns will be used and for the tanks 15 cm thick glass will be used









South - West Aerial View | Axcoyaatl Regional Museum | Enscape | Revit









South - West Volumetric Model | Esc 1:200 | White PVC, PET and Self-adhesive vinyl



L - GRAV . COM