MERIDIANA HORIZONTAL

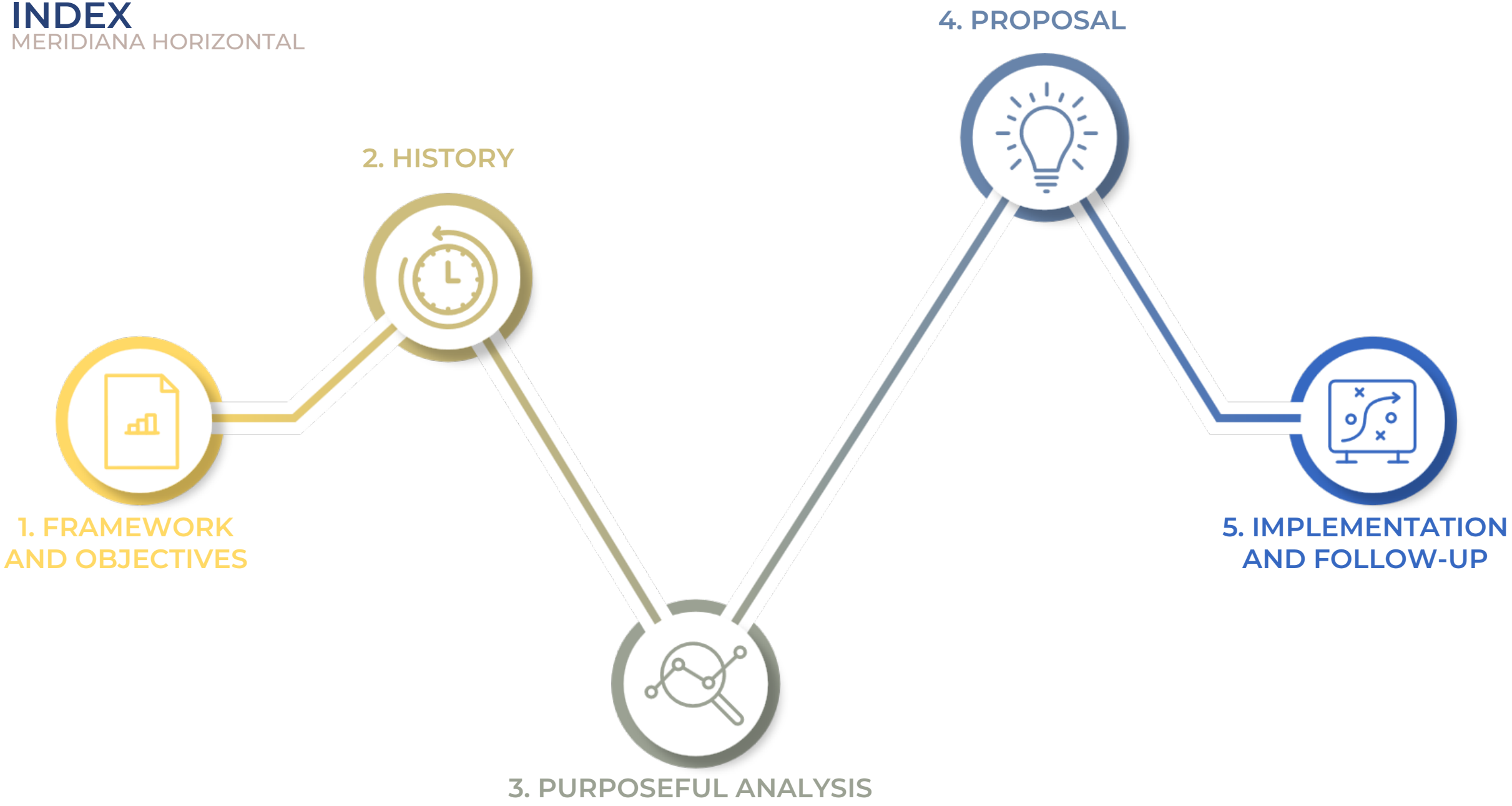
URBAN ACUPUNCTURE FOR THE REHABILITATION OF LOWER FLOORS IN THE CITY

MRY

Project | SMART CITIES

INDEX

MERIDIANA HORIZONTAL



1. GENERAL FRAMEWORK AND OBJECTIVES

MERIDIANA HORIZONTAL

HYPOTHESIS

MERIDIANA HORIZONTAL

Urban axes are intended to adapt, refurbish and rehabilitate the ground floors to generate mixed uses that favor **the development of social and economic life in the neighborhood.**

GENERAL FRAMEWORK

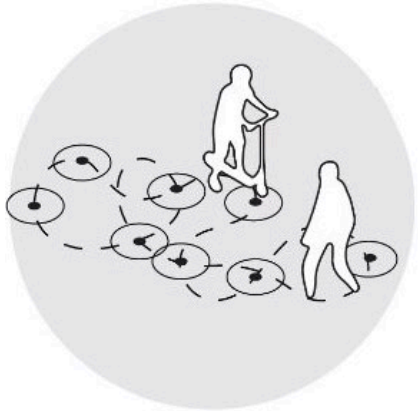
MERIDIANA HORIZONTAL

Encourage the
SOCIO-ECONOMIC DEVELOPMENT
of the inhabitants of Ciutat Meridiana.

ESPECIFIC FRAMEWORK

MERIDIANA HORIZONTAL

UNIFY



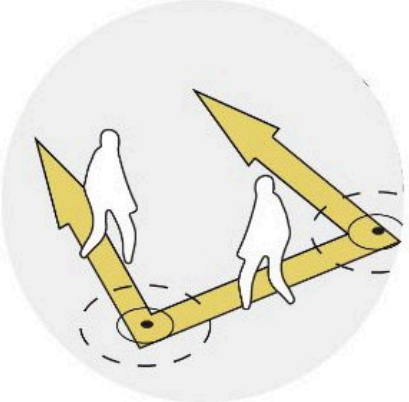
Pedestrian network

Type of land use

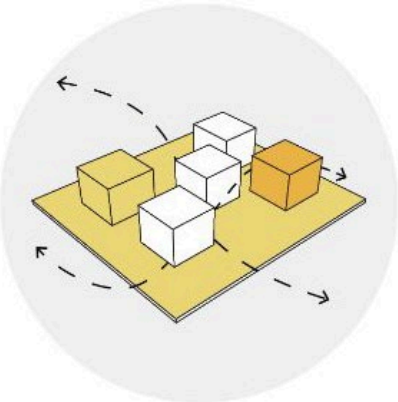
Travel textures

CONNECT

Public space



Axles and finials



Places of interest

ESPECIFIC FRAMEWORK

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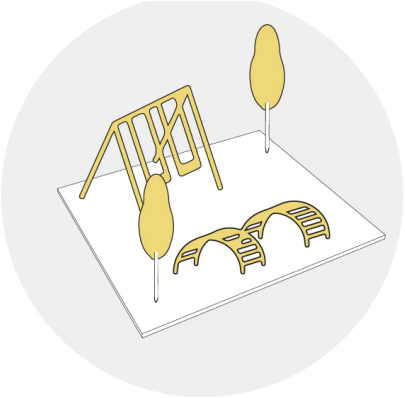
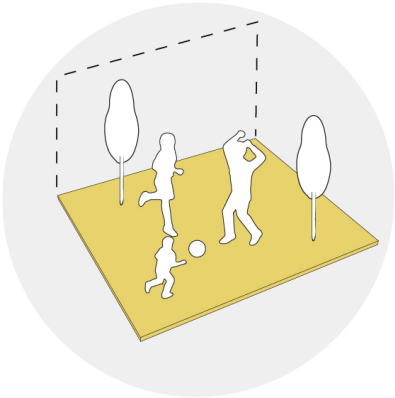
ACTIVATE



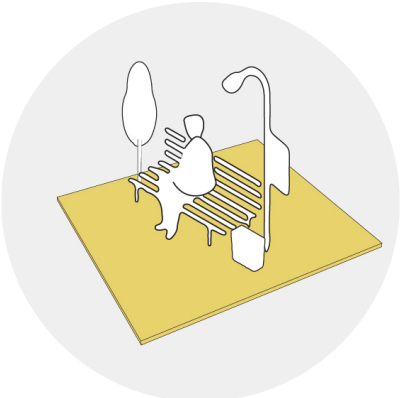
Green areas



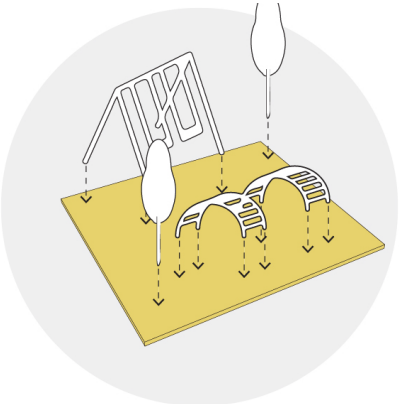
Residual spaces

Flows

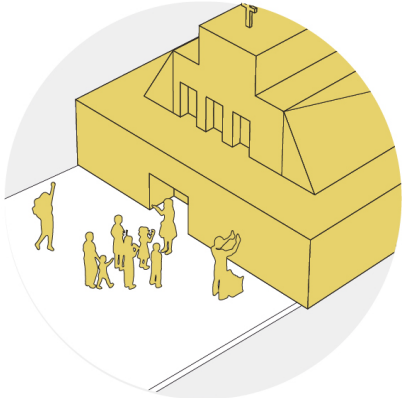
IMPLEMENT



Street furniture



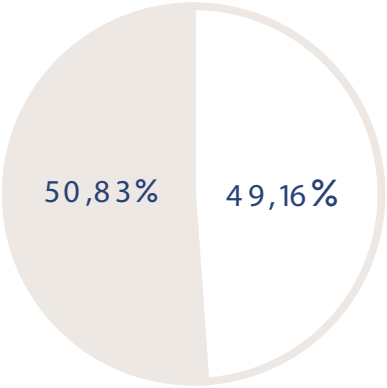
Recreational and cultural areas



Sense of identity

DEMOGRAPHIC ANALYSIS

MERIDIANA HORIZONTAL



TOTAL POPULATION
10.335

MAN
5.081

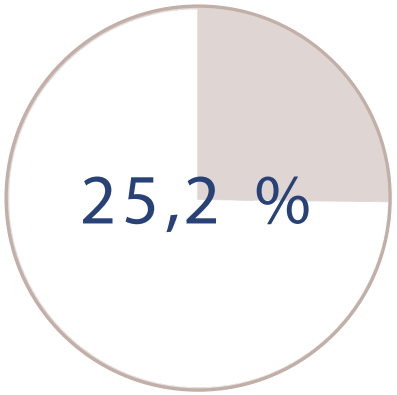
WOMAN
5.253

AVERAGE AGE
46 Years

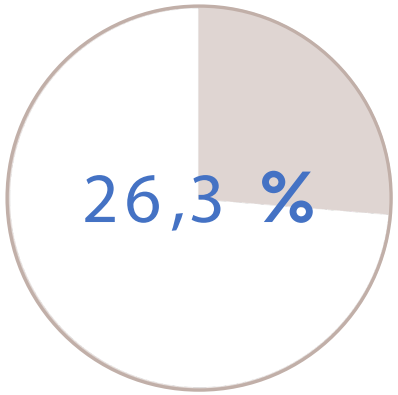
Fuente: ttps://ajuntament.barcelona.cat/estadistica/castella/Estadistiques_per_temes/Poblacio_i_demografia/Poblacio/Padro_municipal_habitants/a2021/piramide/t355.htm

DEMOGRAPHIC ANALYSIS

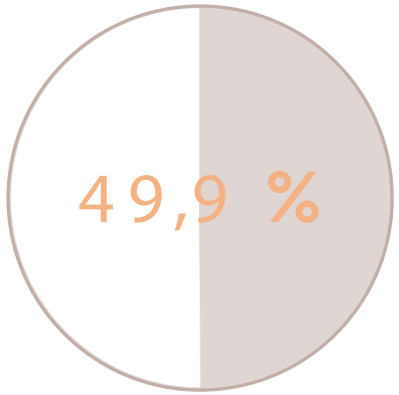
MERIDIANA HORIZONTAL



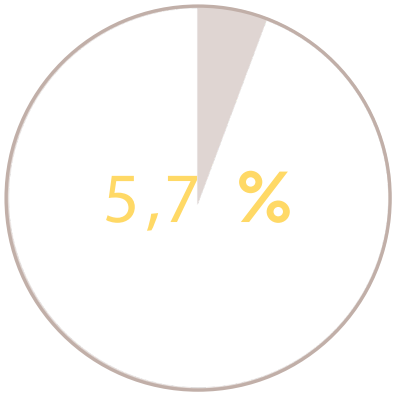
LOW-SKILLED
WORKERS



LOW-EDUCATED
POPULATION



YOUNG PEOPLE WITHOUT
POST-COMPULSORY EDUCATION



UNIVERSITY
STUDIES

Fuente: https://www.idescat.cat/pub/?id=ist&n=14075&geo=mun:080193&lang=es

2. HISTORY

MERIDIANA HORIZONTAL

GALERIA STOREFRONT

New York

The Storefront for Art and Architecture Gallery Reform project by Steven Holf and Vito Acconci in New York blurs the boundaries between public and private space, equalling the intensity of activities on both sides. It generates an appropriation of spaces near the limits of the street. They are "flexible limits", neither totally public nor totally private.

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Fuente: https://circarq.wordpress.com/2013/02/25/storefront-for-art-and-architecture-new-york-ny-united-states-1992-1993/

ROTTERDAM

Pendrecht

In Rotterdam "Pendrecht" are characterized by an open ground floor, only used for small storage rooms and entrances to the porches. The opening of the plinth is a fundamental element of the urban plan: it allows the connection between the inner courtyard and the street, which in the original plan both were planned to be the playground for children in residential buildings.

Fuente: https://www.idescat.cat/pub/?id=ist&n=14075&geo=mun:080193&lang=es

AMERSFOORT

Schuilenburg

By expanding the ground floor space has been created for a new program of atelier housing, entrances, business space and patio housing in the 'zocalo of the building. Inside the volume, barely visible from the street, space has been found for warehouses and parking. In the plan we focus on preserving the old interior of the street.

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Fuente: https://www.idescat.cat/pub/?id=ist&n=14075&geo=mun:080193&lang=es

3. PURPOSEFUL ANALYSIS

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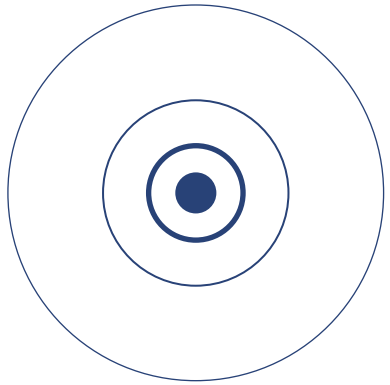
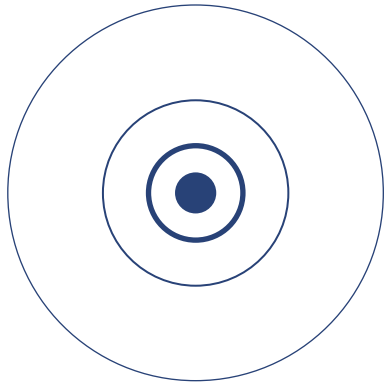
INLFUENCIAL RADIUS

URBAN ANALYSIS



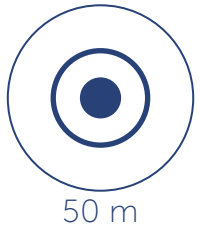
EDUCATIONAL EQUIPMENT

Permanence



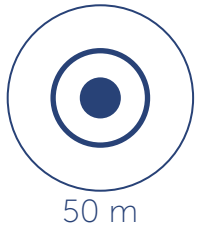
SOCIAL CENTRE

Permanence



BARS AND RESTAURANTS

Transit

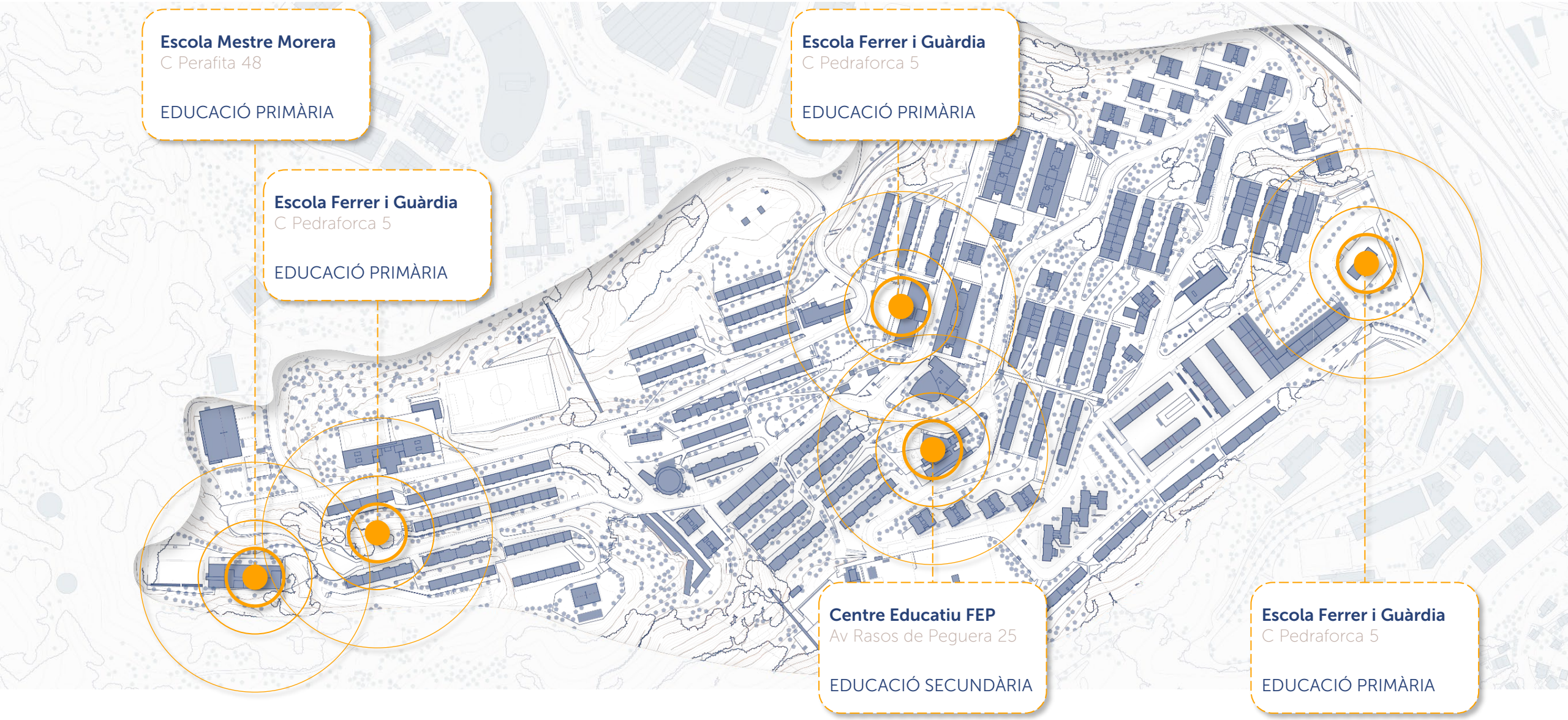


COMMERCIO

Transit

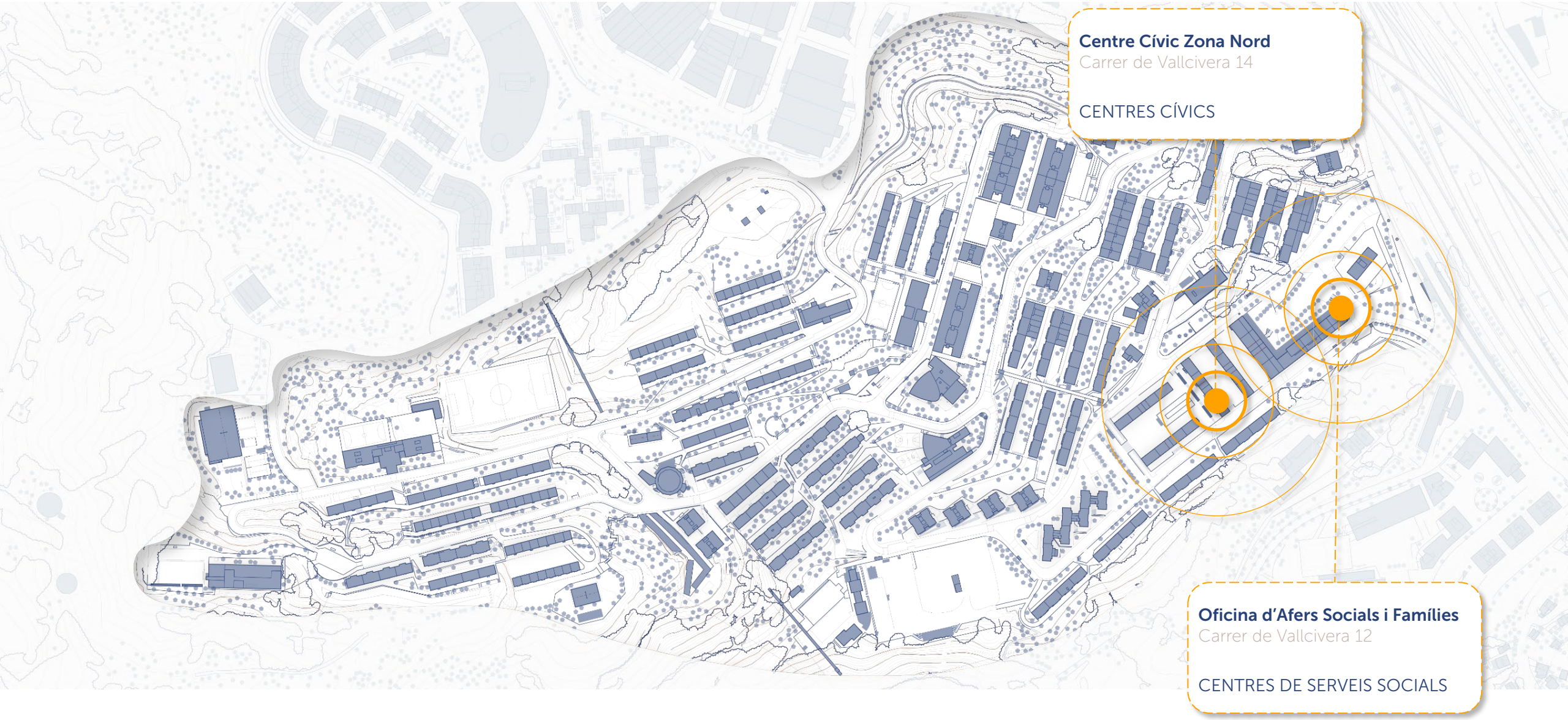
EDUCATIONAL EQUIPMENT

URBAN ANALYSIS



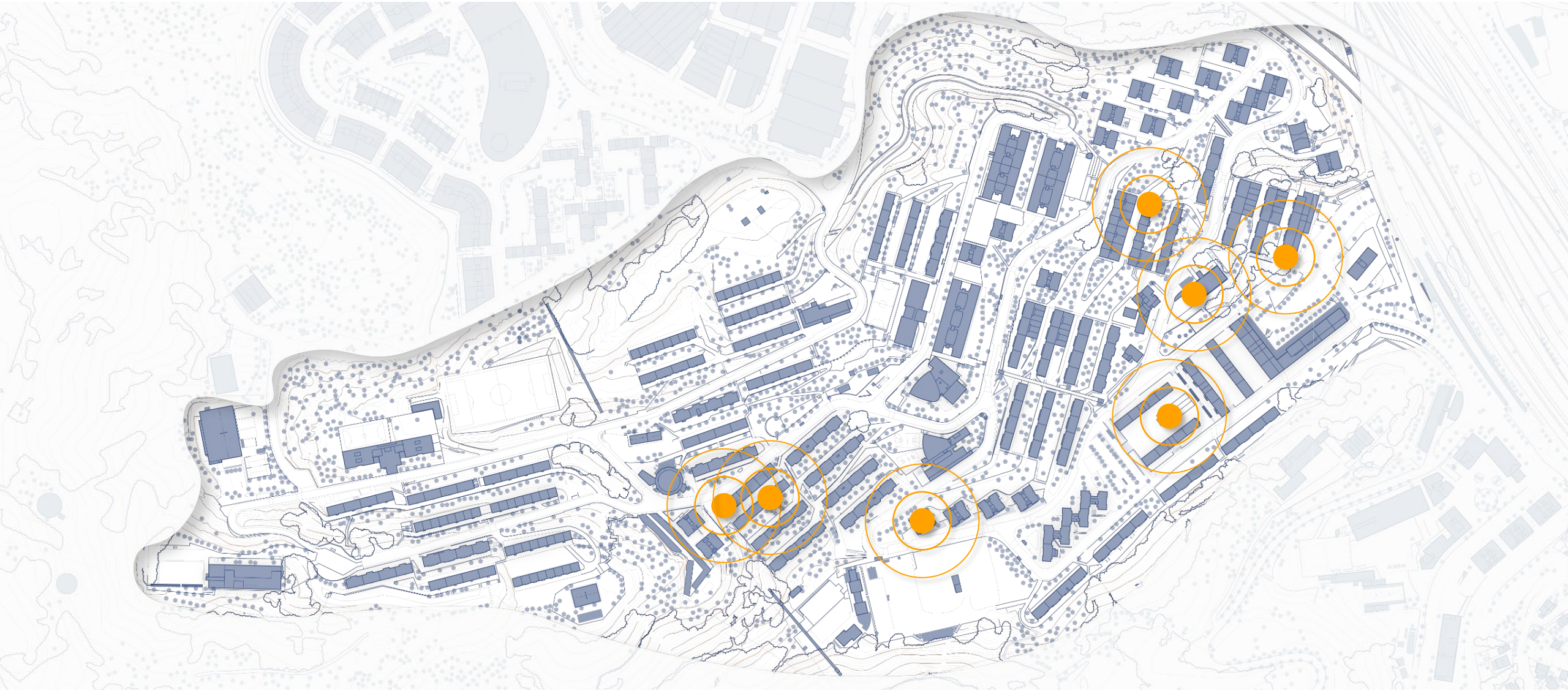
SOCIAL CENTRES

URBAN ANALYSIS



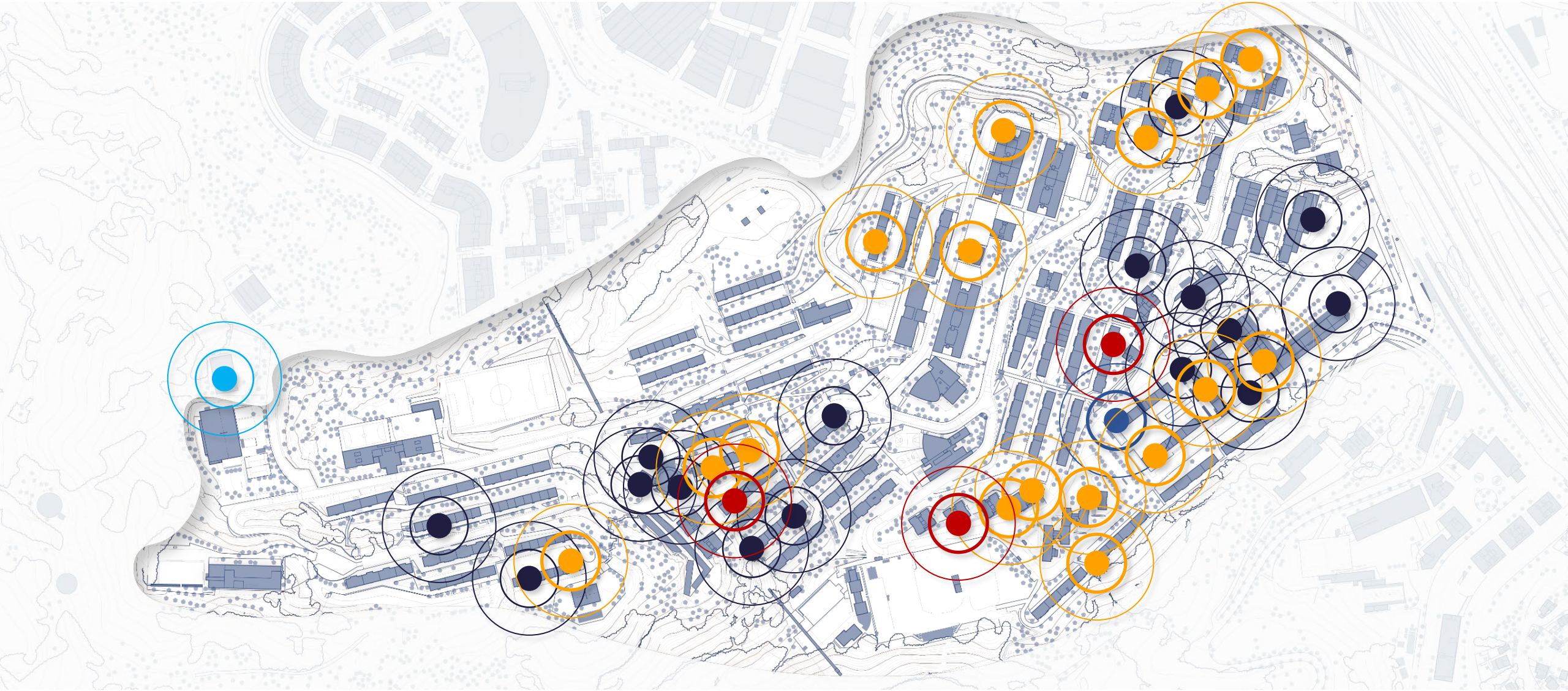
RESTAURANTS

URBAN ANALYSIS



COMMERCIO

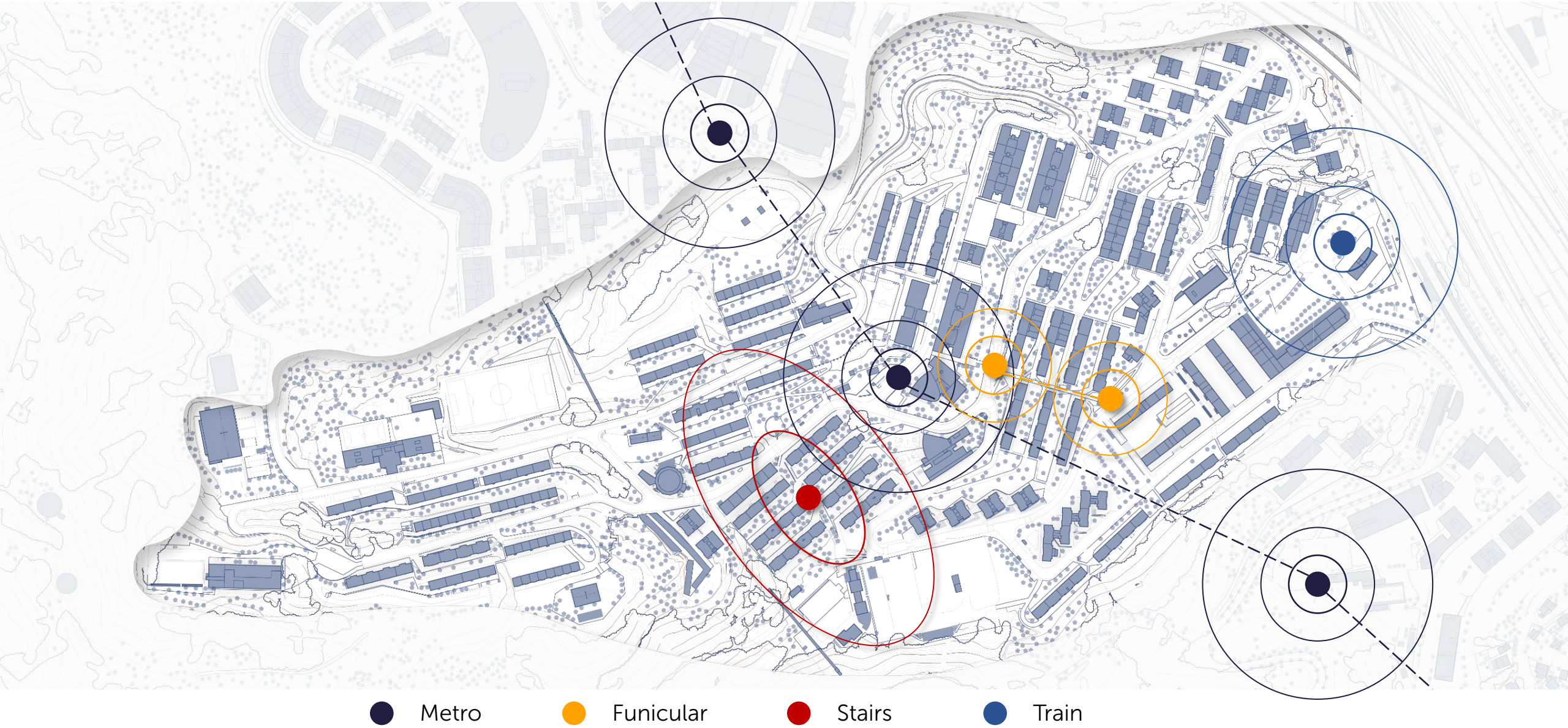
URBAN ANALYSIS



Gym Food Shops Banks Health

ACCESSIBILITY

URBAN ANALYSIS



4. PROPOSAL

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CONCEPT

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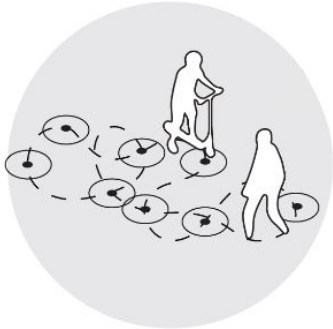
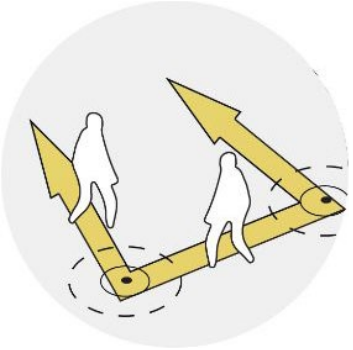




URBAN AGORA

Public square where spaces of encounter and dialogue are generated, promoting the social-cultural life of the neighborhood

AXES

Intervention axes
(main and secondary)

FLOWS

Flows of people

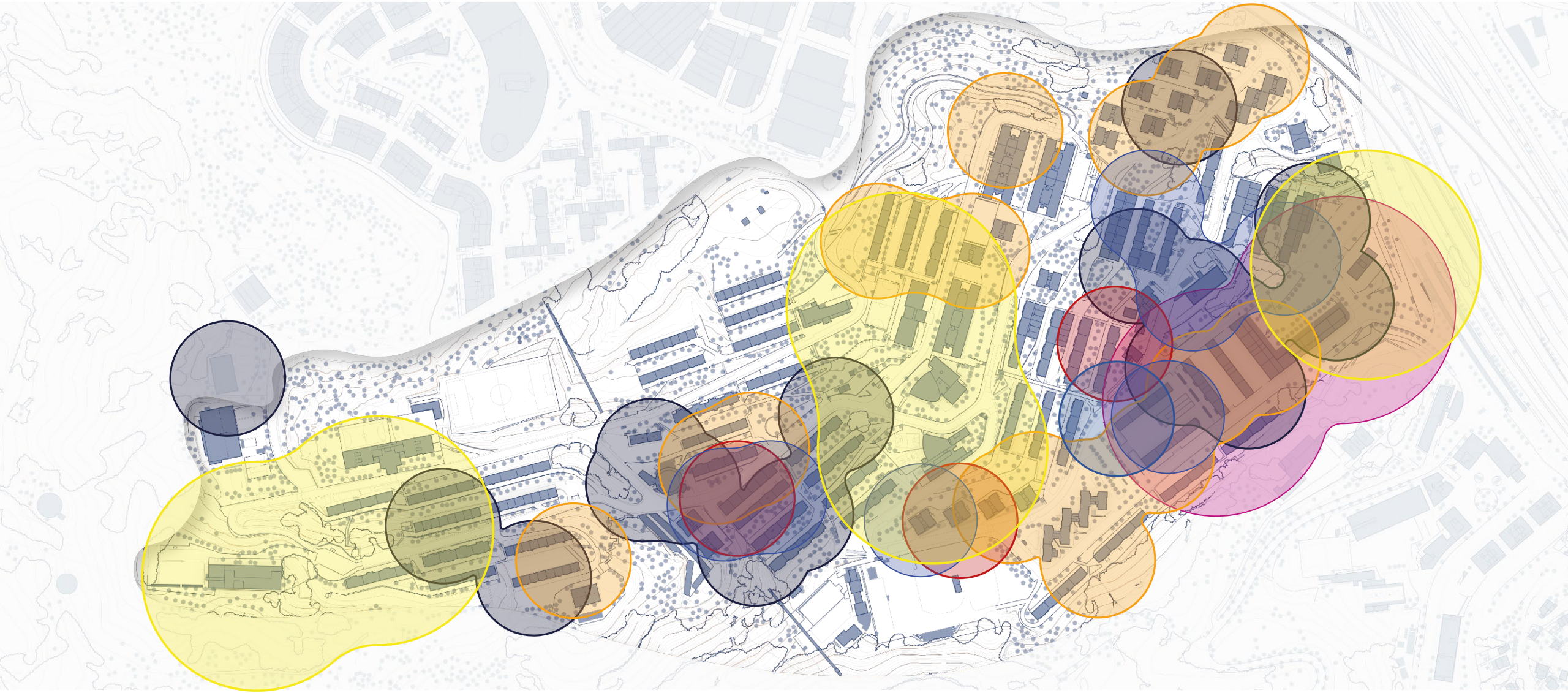
NET

Public space network

URBAN INTERVENTION SYSTEM FOR THE
INTEGRATION OF GROUND FLOORS TO PUBLIC SPACE.

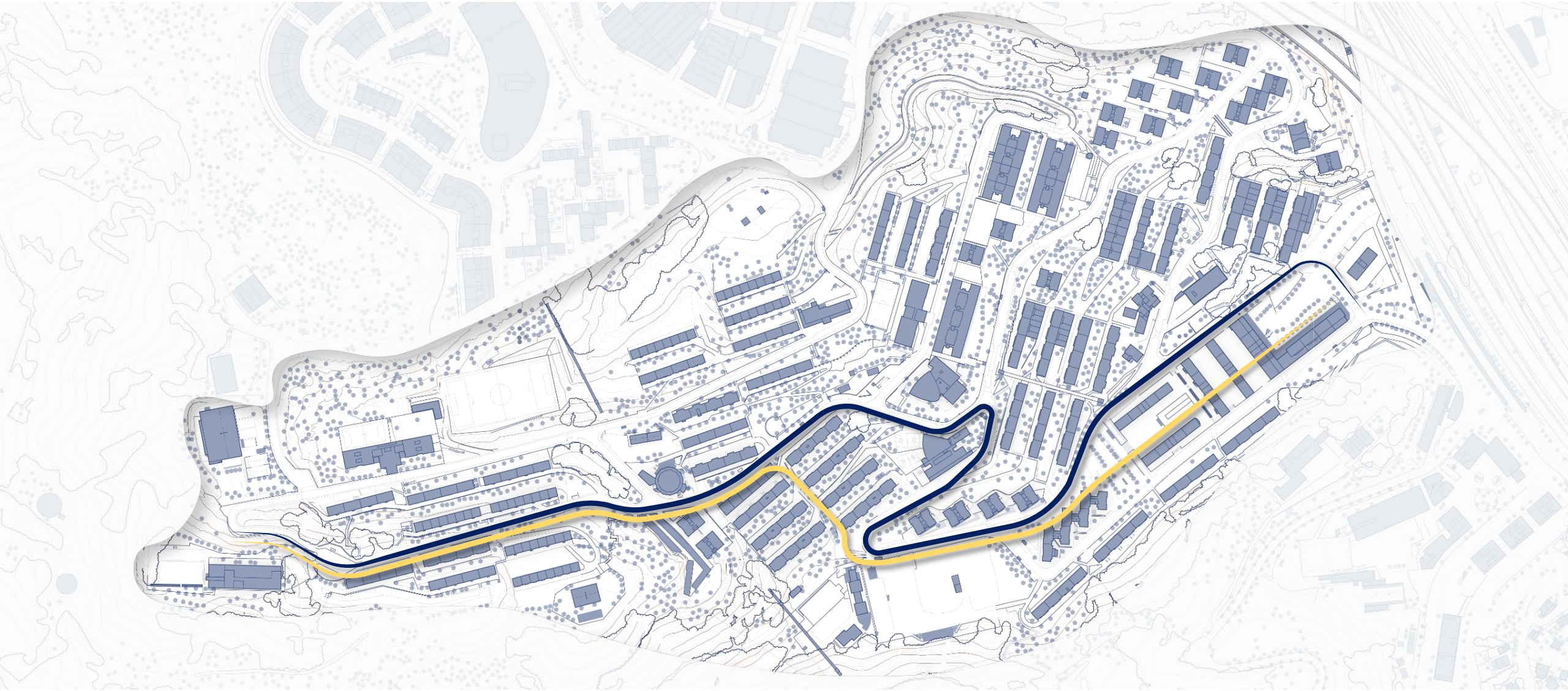
DENSITY

MERIDIANA HORIZONTAL



URBAN AXIS

MERIDIANA HORIZONTAL



URBAN AXIS

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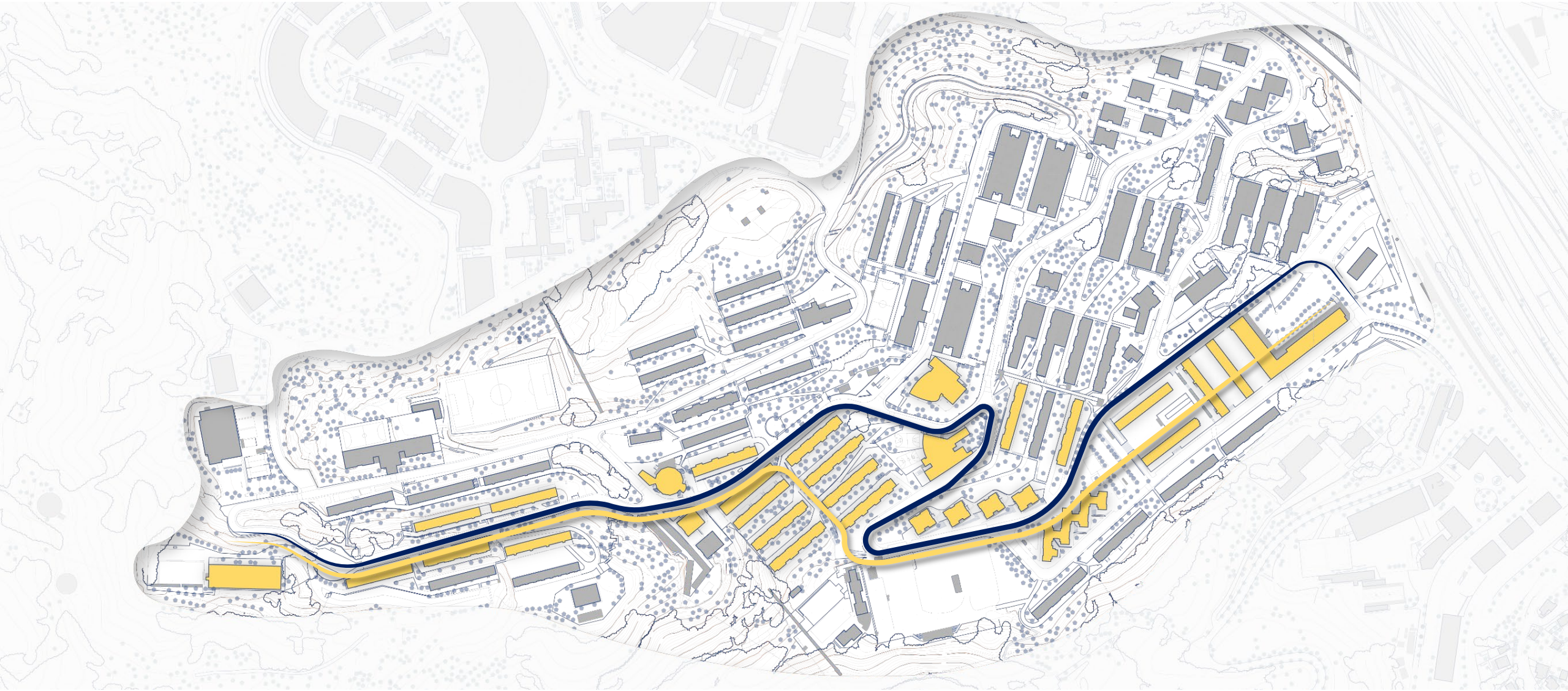
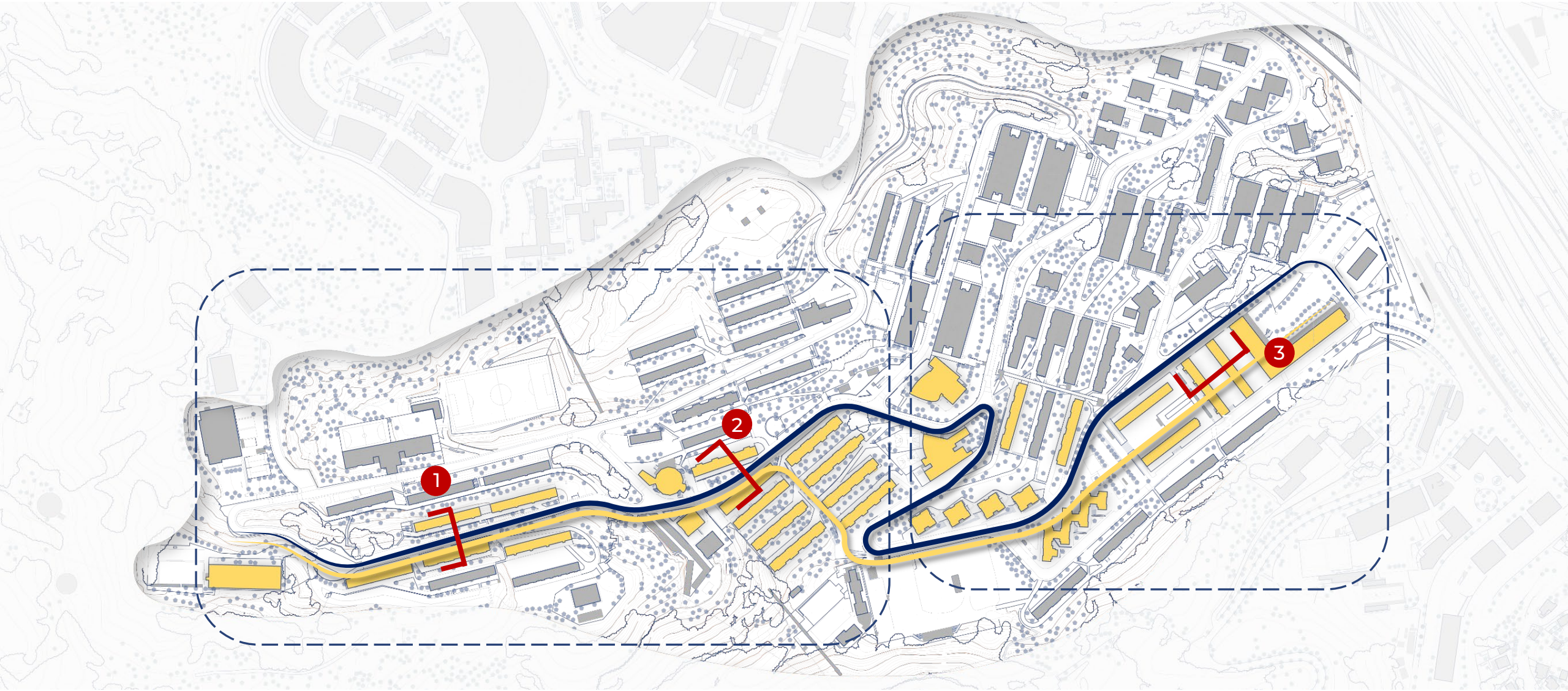


URBAN AXIS

MERIDIANA HORIZONTAL

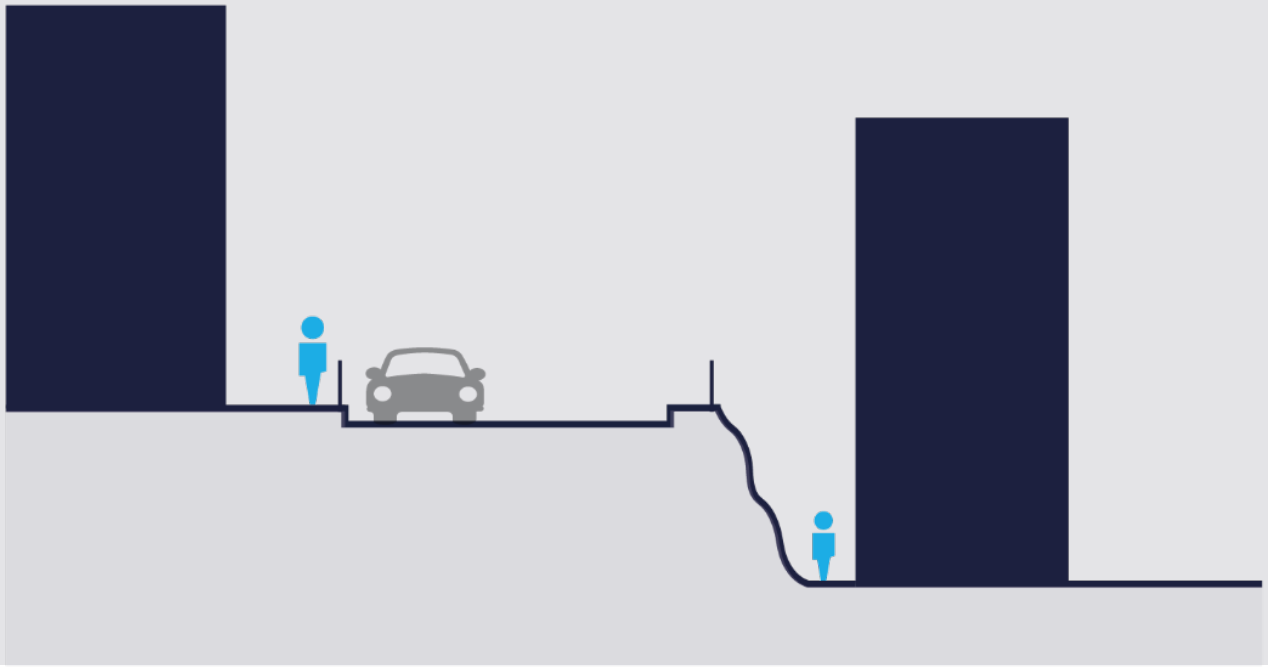


TRANSIT SPACE

SPACE OF PERMANENCE

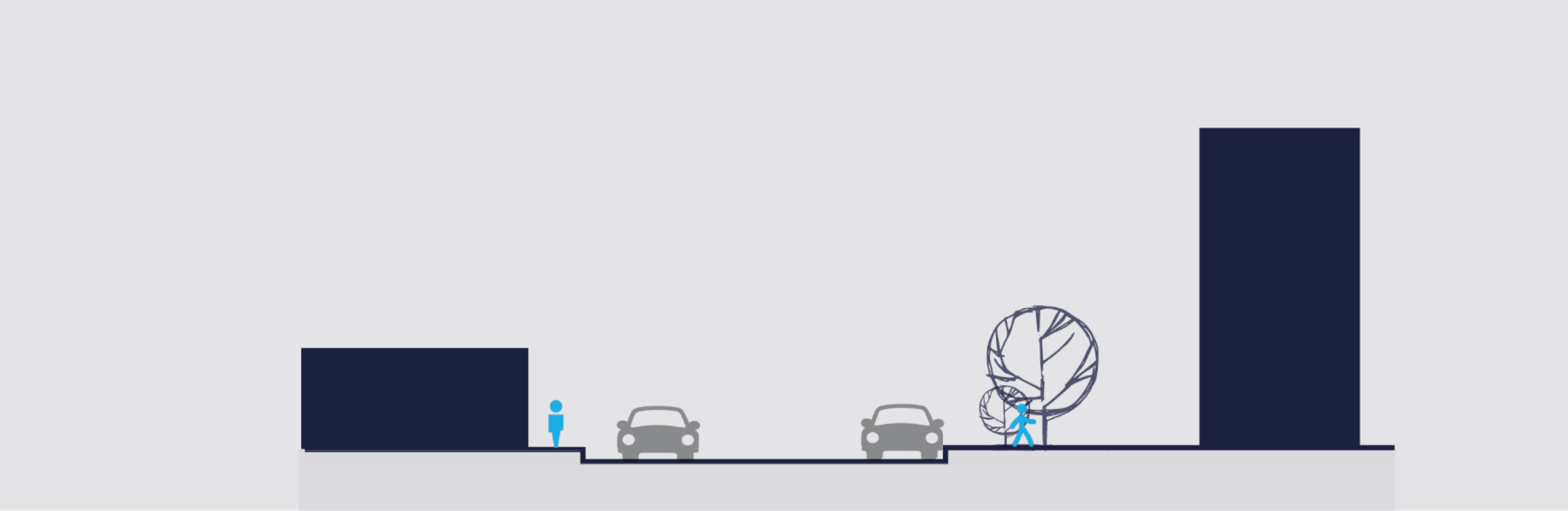
SECTION A – A1

MERIDIANA HORIZONTAL



SECTION B – B1

MERIDIANA HORIZONTAL



SECTION C – C1

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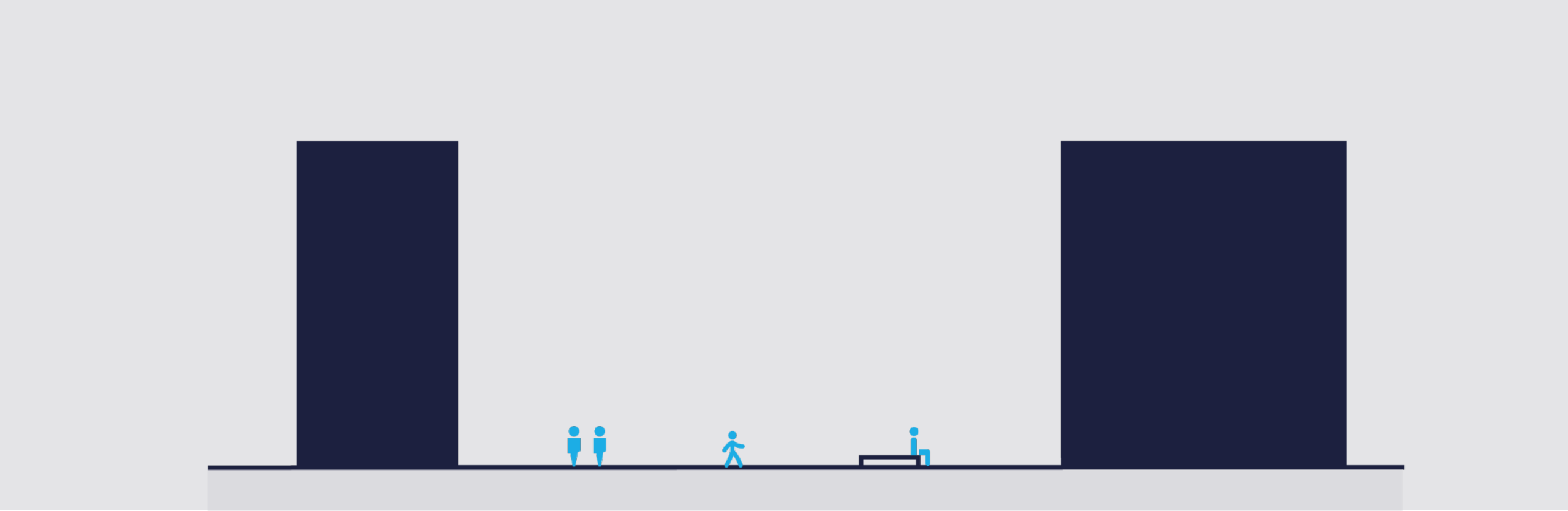
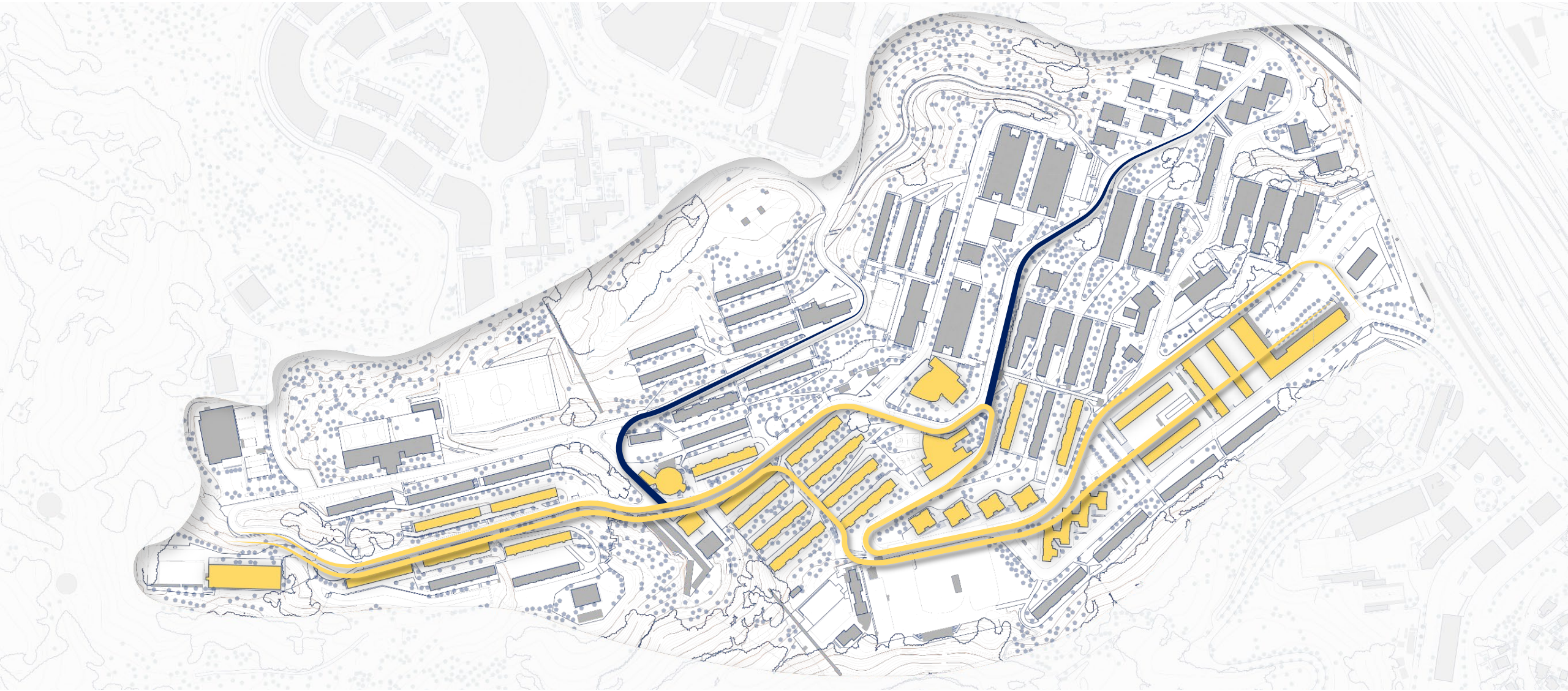


SECOND AXES

PROPOSAL



LIMITS

MERIDIANA HORIZONTAL

- The **TOPOGRAPHY** of Ciutat Meridiana represents a challenge for the intervention of the ground floors. The natural unevenness of the land generates complex urban situations.

- The **URBAN PLOT DISPERSED** by the building of typology in tower hinders the continuity of the corridors.

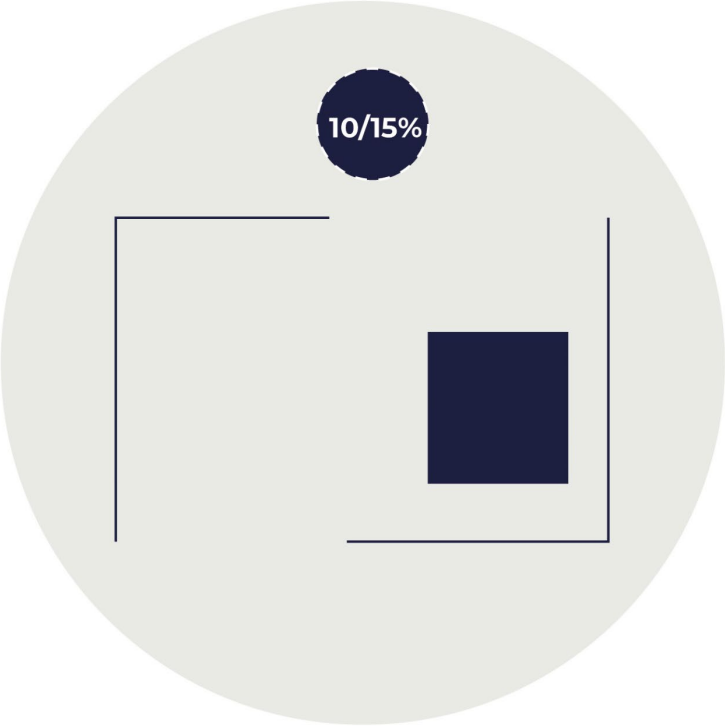
TYPES

WORKSHOP HOUSING

TYPE 01

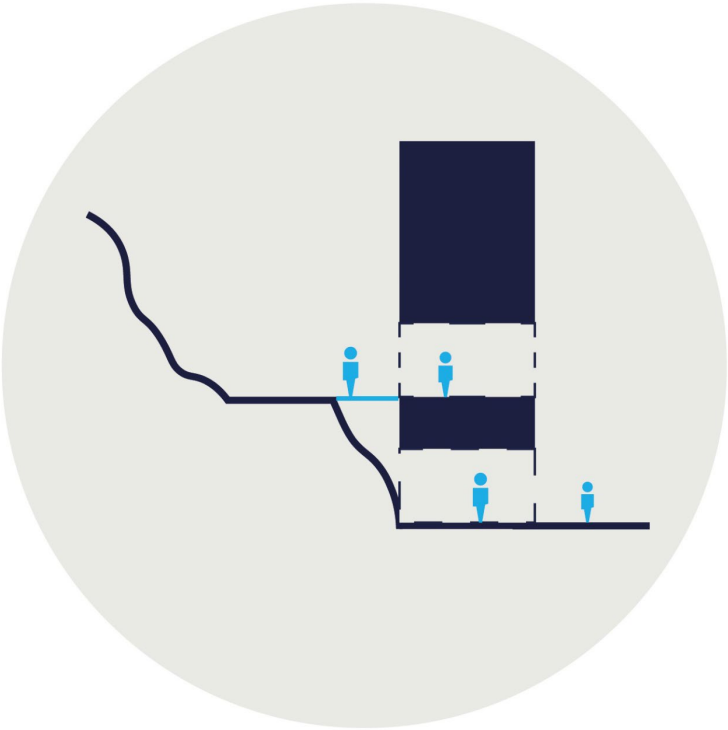
STREET

TYPE 02



SQUARE

TYPE 03



SLOPES

WORKSHOP HOUSING

MERIDIANA HORIZONTAL

The house workshop is a solution of the encounter of the house with the street that consists of a showcase to contemplate the **INTERIOR ACTIVITY FROM THE OUTSIDE**. Revitalizes and improves the quality of the streets. In addition to offering an activity on the ground floor, the view of the exterior interior street illuminates the urban scene. **THERE IS AN INTEGRATION OF ACTIVITY AND THE PASSERBY.**

As Sola Morales says "*Spaces intended for housing and the development of a craft and/or professional activity by the resident, necessarily compatible with the use of housing, (...) that allows the reconciliation of personal and professional life*"

(Urban Improvement Plan of the Torre-Sana Sector, Terrassa, Barcelona, 2005).

1. STREET | 40 %

Typology

40% of the private ground floor will become public space with the incorporation of the workshop housing

UPC

2. SQUARE | 75 %

Typology

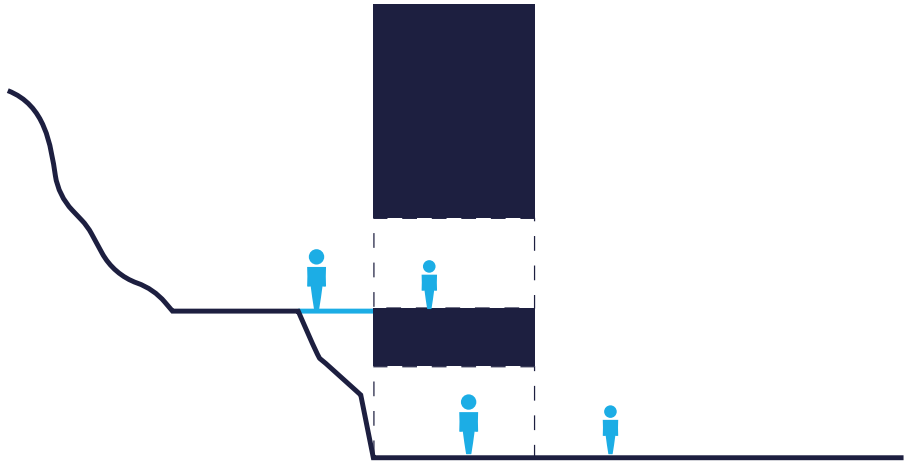
75% of the ground floor area will be incorporated for public uses such as bars, shops, equipment

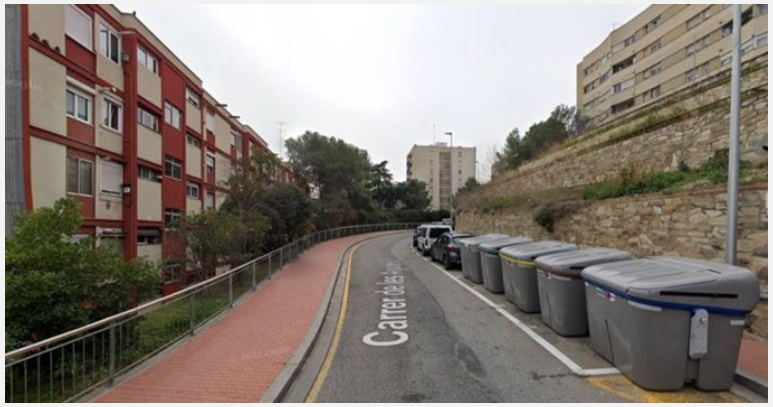
UPC

3. SLOPE

Typology

New ground floors will appear by incorporating platforms to level the building and the street





STAKEHOLDERS

MERIDIANA HORIZONTAL

Residents of Ciutat Meridiana

They will be directly affected by changes in the ground floors of buildings and improvements in public spaces. Their participation and views are essential to ensure that interventions meet their needs and preferences.

Building owners

Ground floor intervention may require collaboration agreements, renewals or adjustments to rental contracts. It is crucial to involve owners and ensure they understand the benefits and implications of the proposed improvements.

Merchants and local entrepreneurs

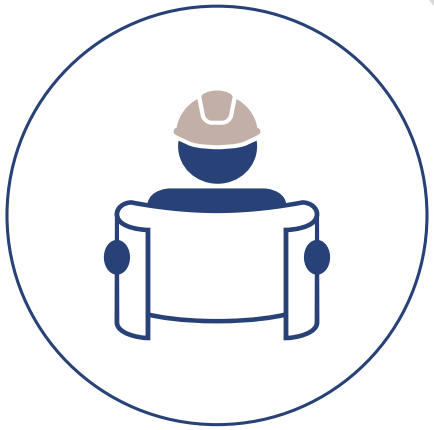
The proposal includes the creation of new commercial spaces or the revitalization of existing ones. Their participation is essential to understand their needs, concerns and expectations, and to ensure that improvements boost local economic activity.

Barcelona City Council

It should actively participate in the urban plan, providing resources, guidelines and supervision to ensure that interventions are aligned with urban policies and improve the quality of life of citizens.

STAKEHOLDERS

MERIDIANA HORIZONTAL



Architects and urban planners

Their experience and know-how are essential for creating viable and attractive proposals. They should also consider the perspectives and needs of other stakeholders to ensure that the plan is inclusive and sustainable.

Community organizations and interest groups

They represent the interests of the local community and can provide valuable input and perspectives on proposed interventions. Their participation promotes inclusion and representation of diverse groups within the community.

Educational and cultural institutions

The improvement of existing public spaces can generate opportunities for educational and cultural activities, and their participation can enrich the urban plan and encourage citizen participation.

5. IMPLEMENTATION AND FOLLOW-UP

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IMPLEMENTATION

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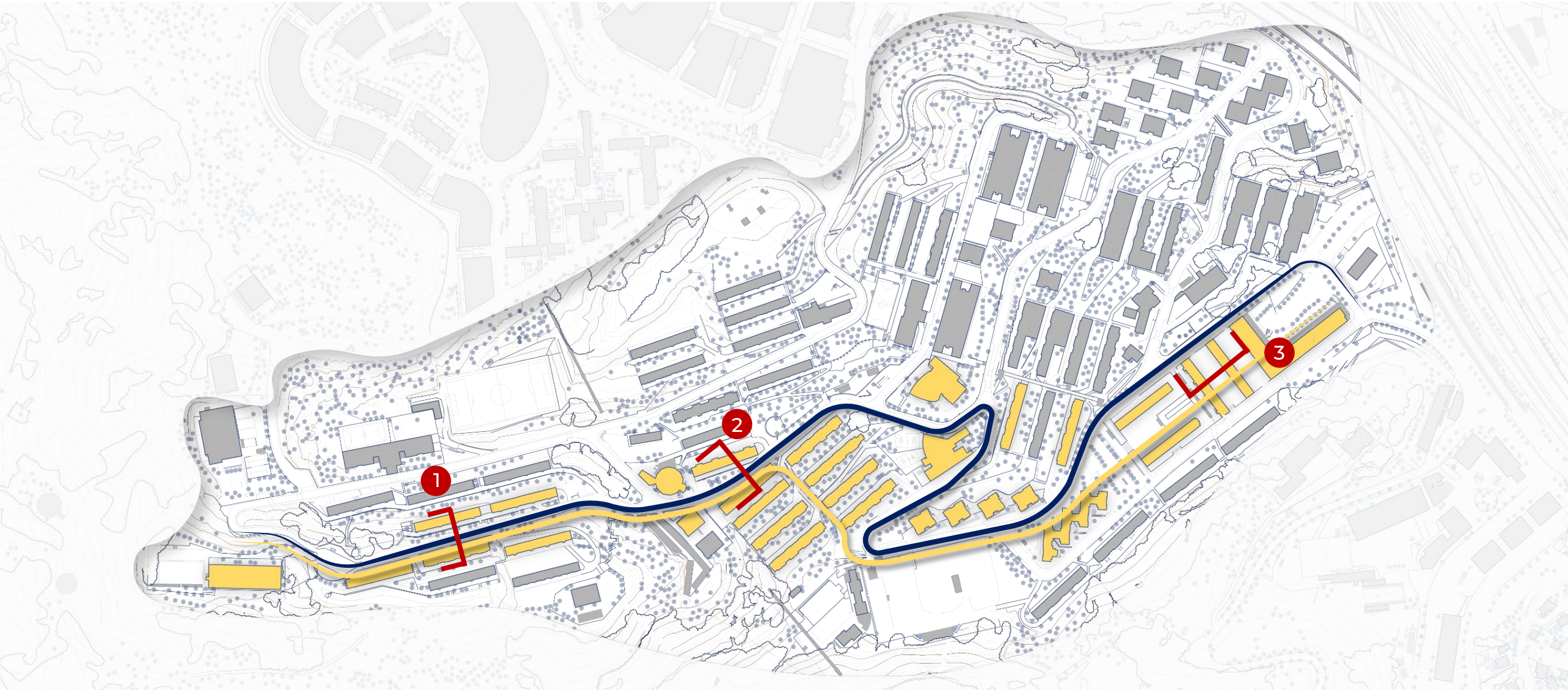
Implementation is based on intervention typology systems.

ACUPUNCTURE: Each intervention typology system will be implemented as a single project in themselves, but within a network of public space and with the corresponding guidelines.

ETAPABILITY: The etapability allows the gradual implementation of measures, facilitating the obtaining of resources and the adaptation of neighbors. Three successive stages of implementation will in principle be allocated, increasing the number of specific interventions in each sector.

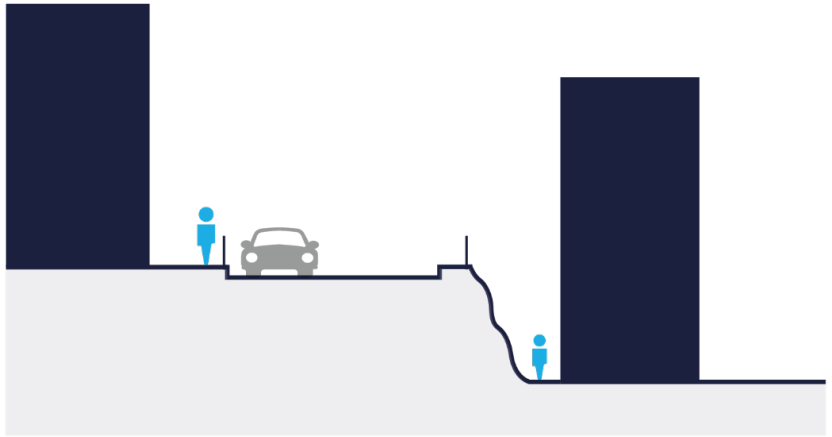
PILOT TEST POINTS

MERIDIANA HORIZONTAL

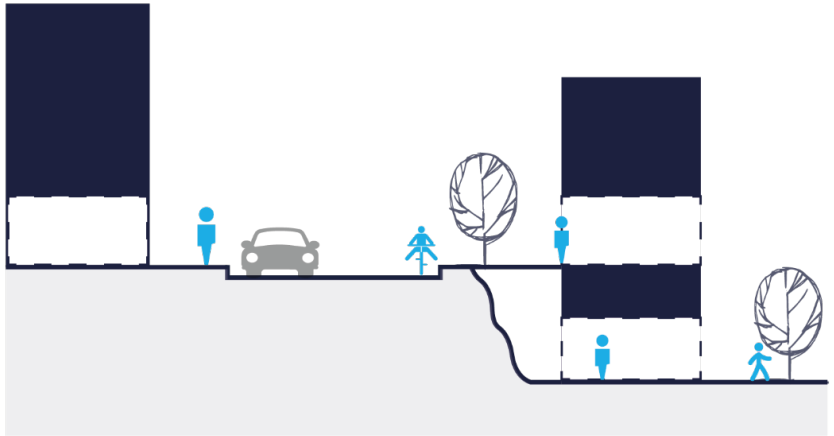


POINT A – A1

MERIDIANA HORIZONTAL



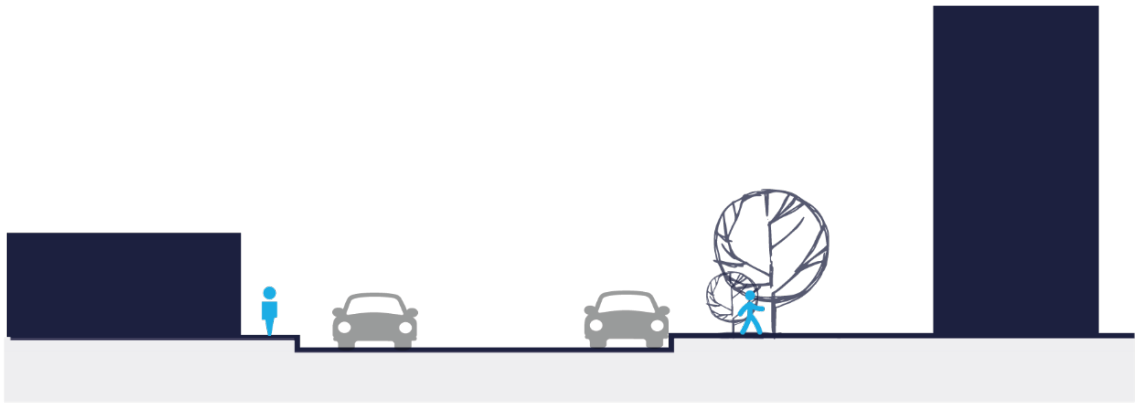
SECCIÓN SITUACION INICIAL



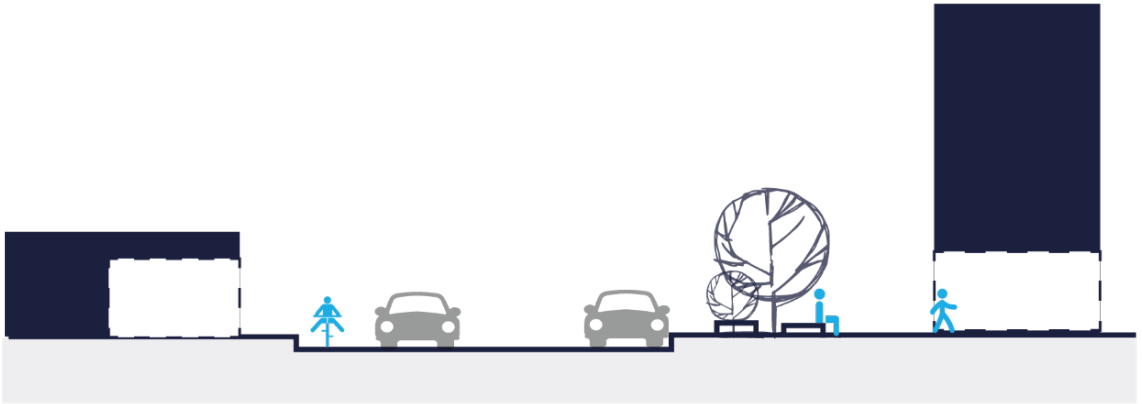
SECCIÓN INTERVENCION

POINT B – B1

MERIDIANA HORIZONTAL



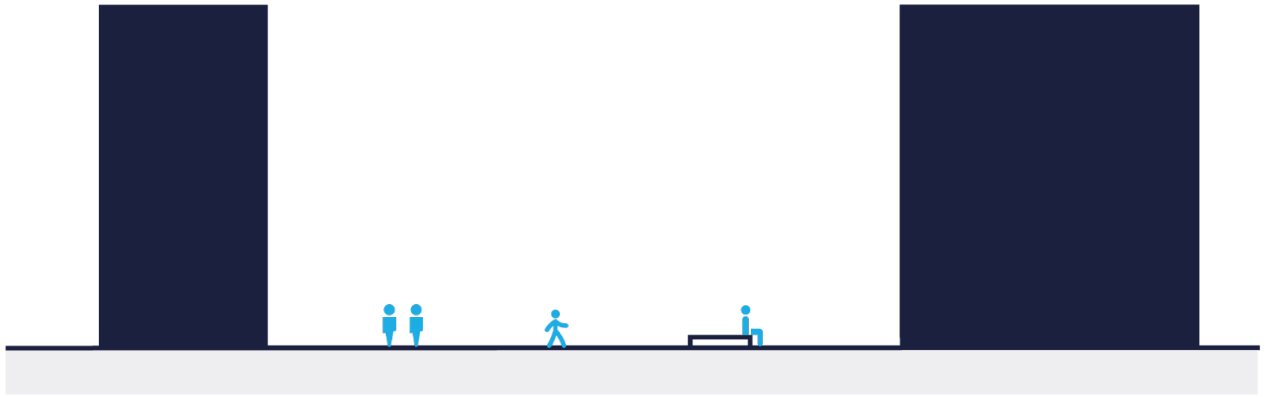
SECCIÓN SITUACION INICIAL



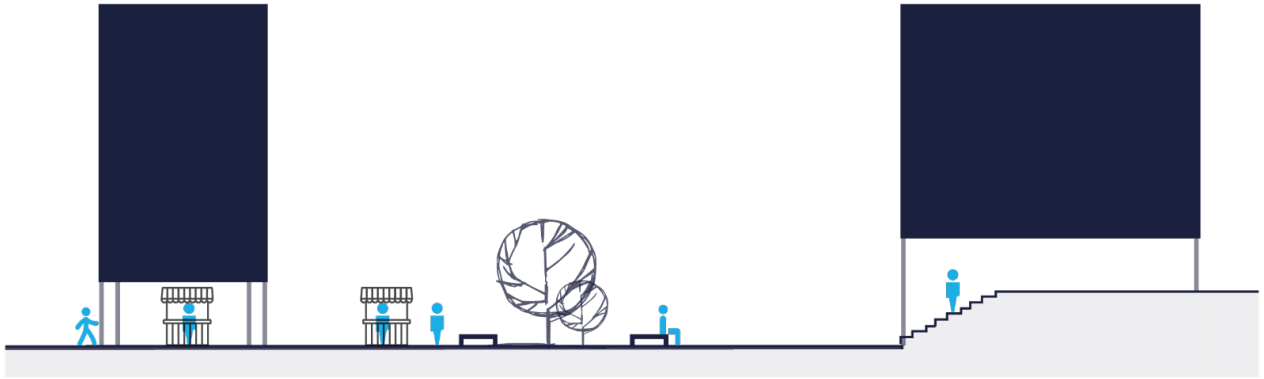
SECCIÓN INTERVENCION

POINT C – C1

MERIDIANA HORIZONTAL



SECCIÓN SITUACION INICIAL



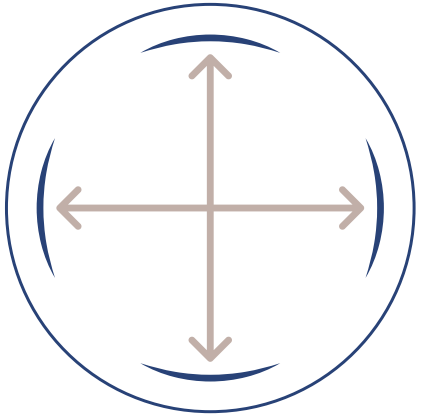
SECCIÓN INTERVENCION

KPI's

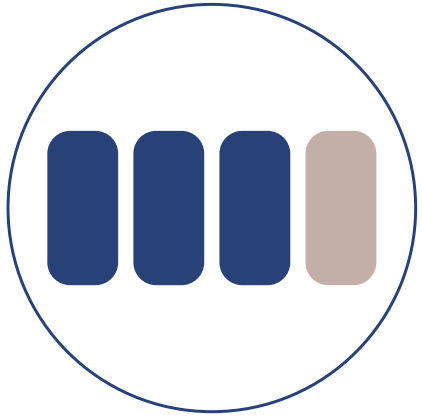
MERIDIANA HORIZONTAL

It will be evaluated at the **THREE MONTHS** of completion of each stage of the project, then at the **SIX MONTHS**, and then at the **YEAR** of completion of the intervention. The points to be measured are as follows:

PEDESTRIAN FLOW
By time ranges, morning, afternoon, night



M2 OF INTERVENTION
Recovery of urban furniture and vegetation



QUANTITY
Of each type of intervention carried out

SATISFACTION
Neighbors' satisfaction level (1-10)

The results of each period will be compared to monitor the **PROGRESS** of the plan and, if necessary, implement **CHANGES** and **IMPROVEMENTS**.

THANK YOU!

MAREY AHMED