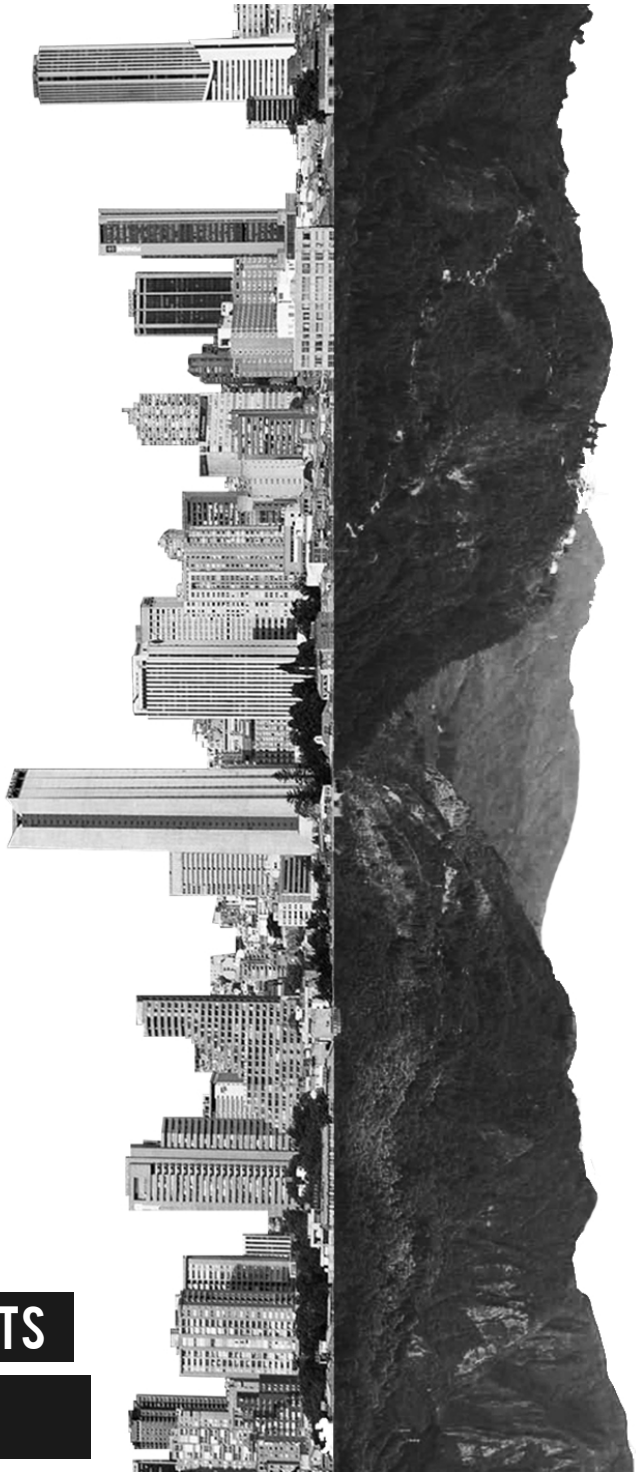# Bogotá | The Movement In Movement
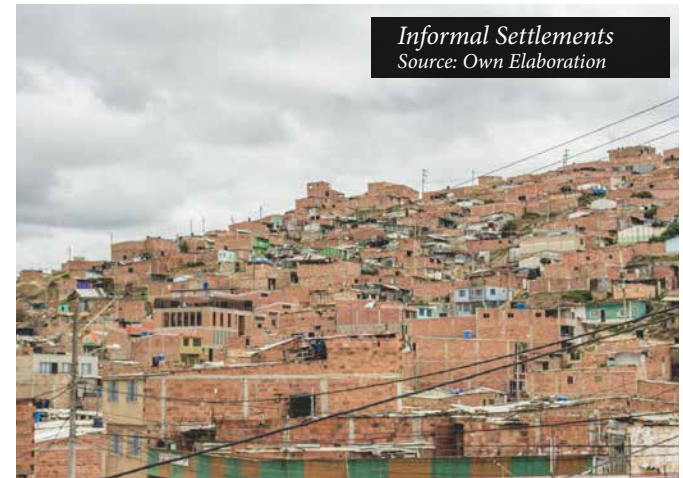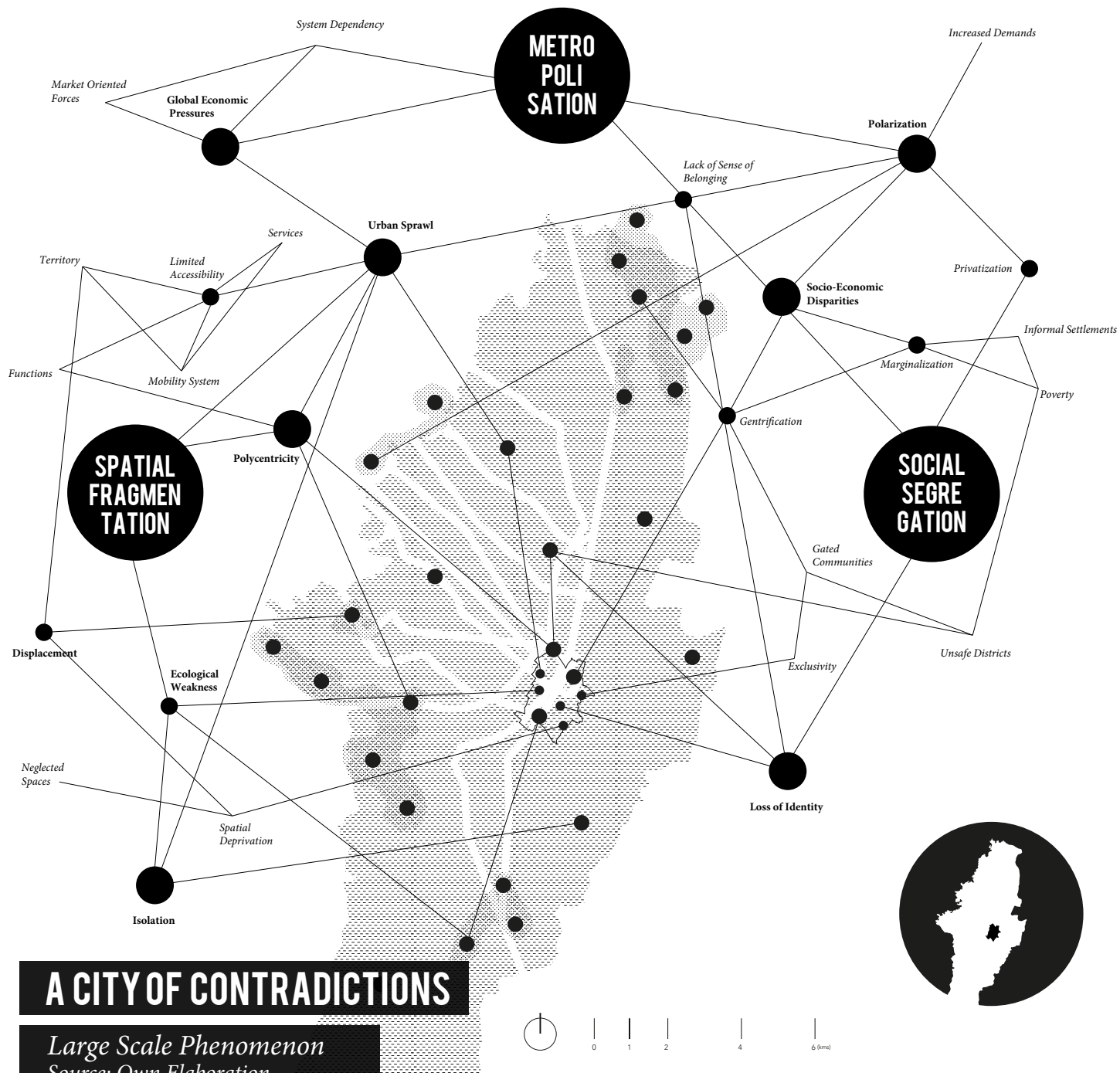
Regeneration Through Mobilization
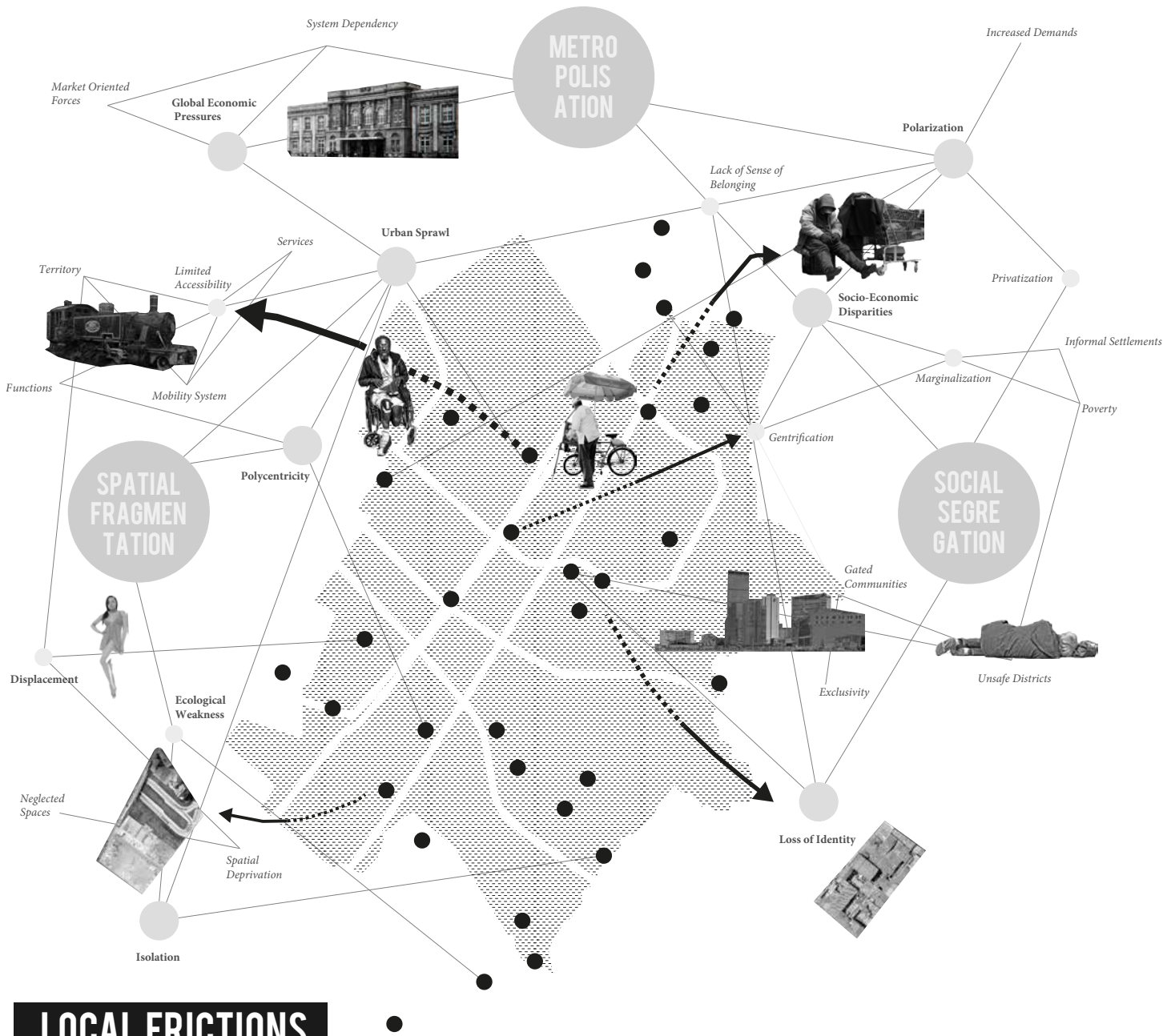Towards a responsive and cohesive strategic urban regeneration for
Bogotá's Historic Center

P5 - Thesis Project Presentation
Juan Gutiérrez Beltrán

CITY OF CONTRASTS

Bogotá, Colombia
Source: Own Elaboration

High End Projects
Source: Own Elaboration

Informal Settlements
Source: Own Elaboration

Neglected Districts
Source: Own Elaboration

System Dependency

METRO POLI SATION

Increased Demands

Market Oriented Forces

Global Economic Pressures

Polarization

Lack of Sense of Belonging

Services

Urban Sprawl

Territory

Limited Accessibility

Socio-Economic Disparities

Privatization

Informal Settlements

Functions

Mobility System

Marginalization

Poverty

Gentrification

SPATIAL FRAGMEN TATION

Polycentricity

SOCIAL SEGRE GATION

Gated Communities

Displacement

Ecological Weakness

Exclusivity

Unsafe Districts

Neglected Spaces

Loss of Identity

Spatial Deprivation

Isolation

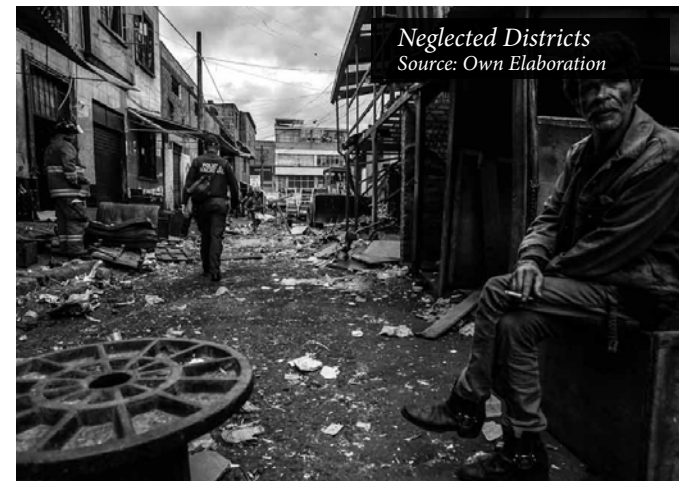# A CITY OF CONTRADICTIONS

Large Scale Phenomenon
Source: Own Elaboration

0 1 2 4 6 (kms)

High End Projects
Source: Own Elaboration

Informal Settlements
Source: Own Elaboration

Neglected Districts
Source: Own Elaboration

System Dependency

METRO POLIS ATION

Increased Demands

Market Oriented Forces

Global Economic Pressures

Polarization

Lack of Sense of Belonging

Services

Urban Sprawl

Socio-Economic Disparities

Privatization

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Limited Accessibility

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Functions

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SPATIAL FRAGMEN TATION

Polycentricity

SOCIAL SEGRE GATION

Gated Communities

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Unsafe Districts

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Loss of Identity

Spatial Deprivation

Isolation

LOCAL FRICTIONS

Macro and Micro Effects
Source: Own Elaboration

0   1   2   4   6 (kms)

Abandonment
Parking Lots and Buildings
Abandoned

Disruption
Highways and Main Streets
Dividing

Isolation
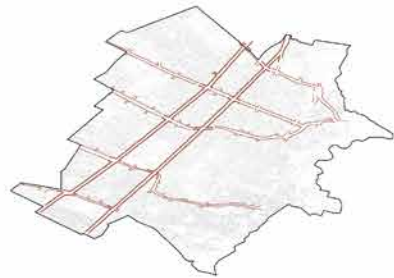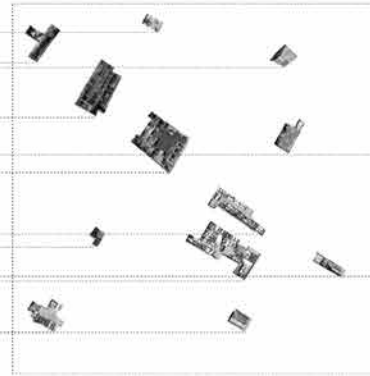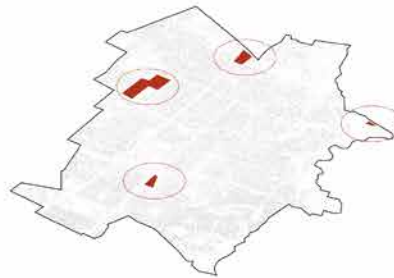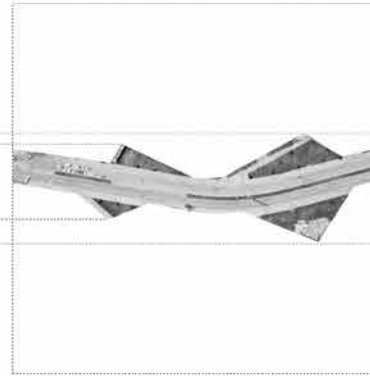Transport Facilities
Functionaly and Spatially
Closed

Future Central Station

Train Station

Cable Car Station

Intermodal Station

0 100   500   1000 (m)

MOBILITY NEGATIVE IMPACT

Spatial Effects of the Global over the Local
Source: Own Elaboration
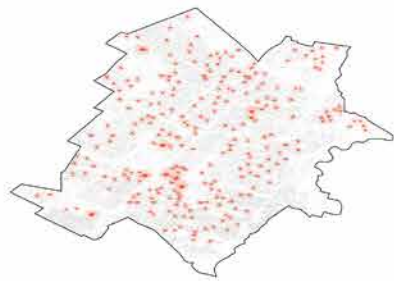
Abandonment
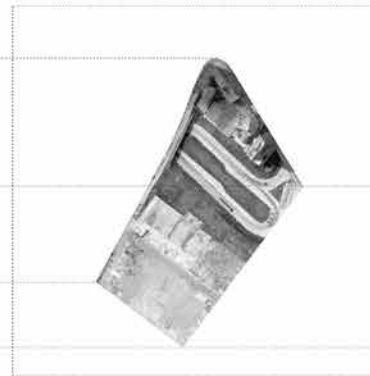Parking Lots and Buildings
Abandoned

Disruption
Highways and main streets
Dividing

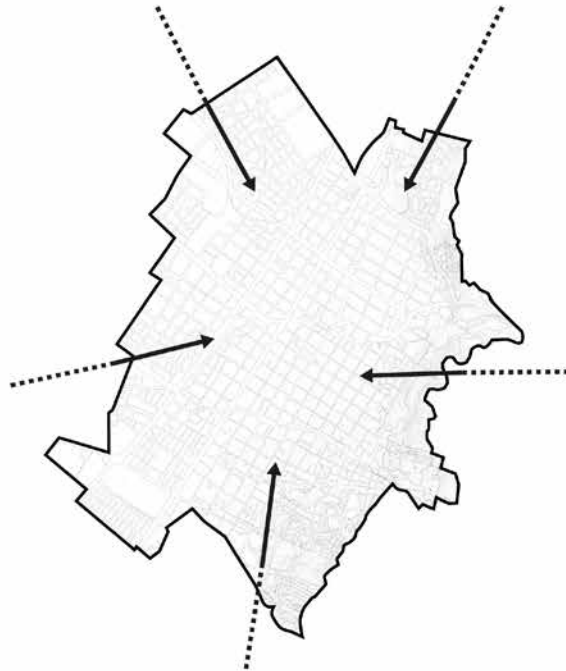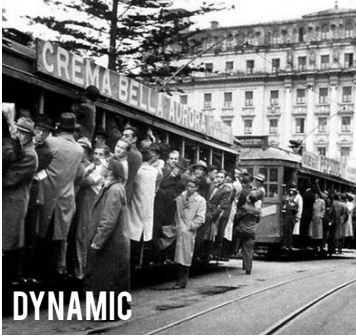**Isolation**
Transport Facilities
Functionally and Spatially
Closed

MOBILITY NEGATIVE IMPACT

Urban Affections and
Source: Own Elaboration

DIVERSE

DYNAMIC

EMBLEMATIC

DEPRIVED

ABANDONED

NEGLECTED

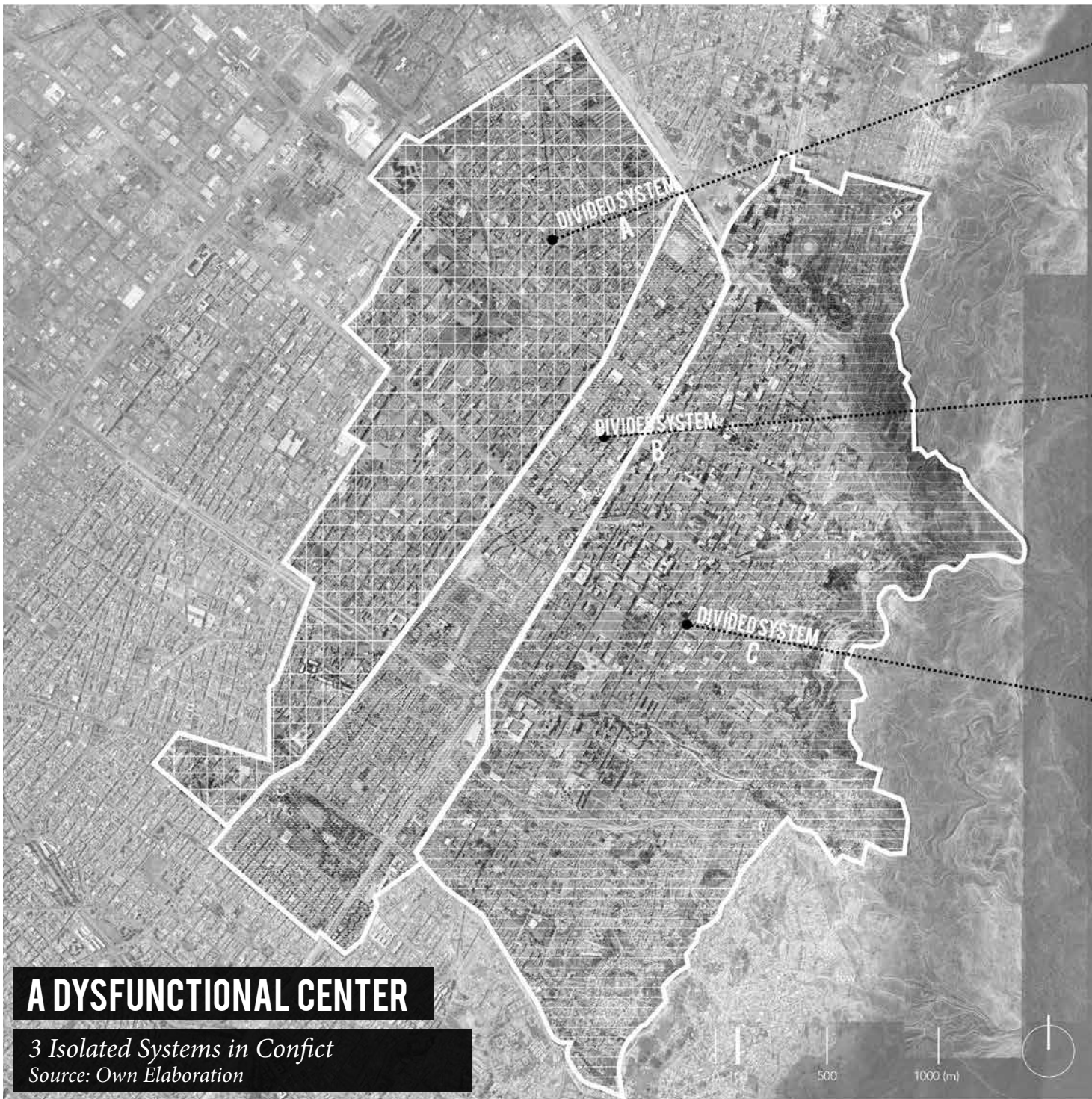## 1900's
*From a Vibrant and
Strong Heart*
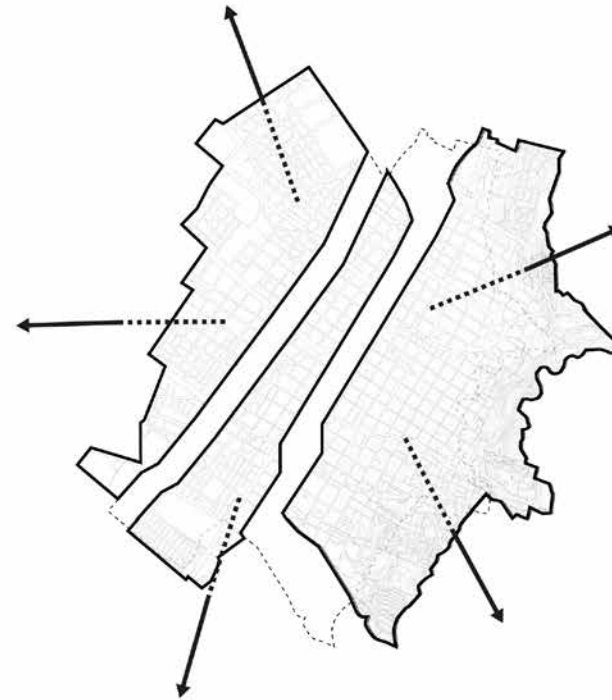
2000's
*To a Disrupted and
Neglected Site*

URBAN PARADIGM SHIFT

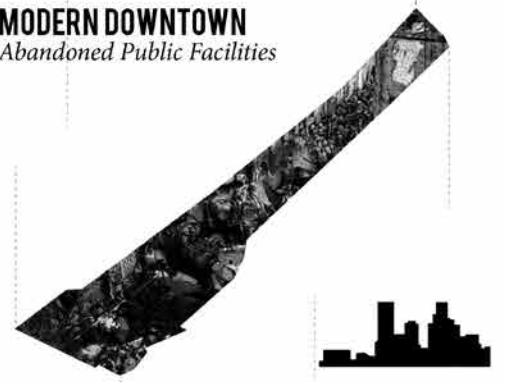*The functional transition of the City Center*
Source: Own Elaboration

A DYSFUNCTIONAL CENTER
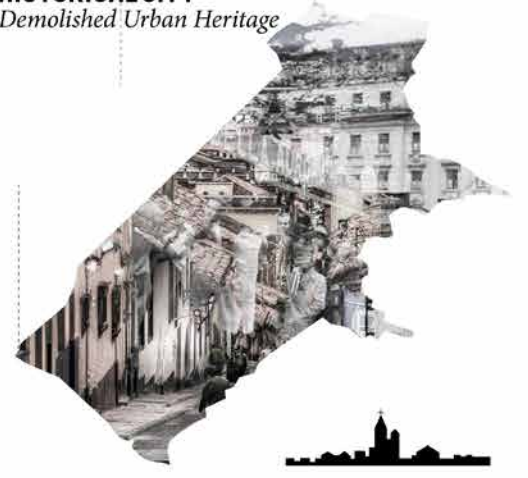
3 Isolated Systems in Confict
Source: Own Elaboration

DIVIDED SYSTEM
A

DIVIDED SYSTEM
B

DIVIDED SYSTEM
C

500   1000 (m)

INDUSTRIAL DISTRICT
Reinforced Undesiderd Functions

MODERN DOWNTOWN
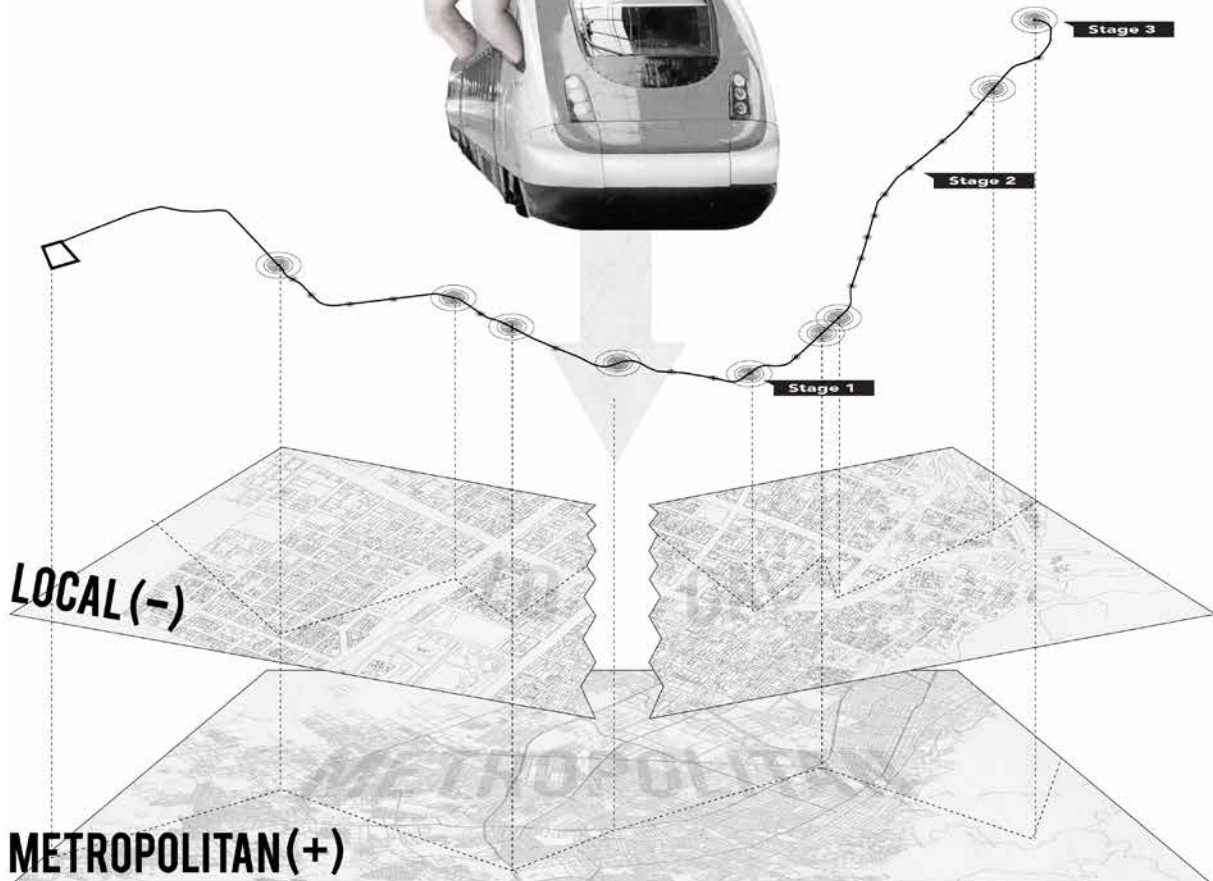*Abandoned Public Facilities*

HISTORICAL CITY
Demolished Urban Heritage

LOCAL IDENTITY AT RISK

It has become a place to live no longer
Source: Own Elaboration

El Metro de Bogotá: una obra social, no suntuaria

En este gobierno
Comenzarán excavaciones para el Metro de Bogotá

Gobierno insiste en dar apoyo a Metro de Bogotá

¡Luz verde para el metro!

El Metro de Bogotá sigue adelante, dice el Alcalde

EL ESPECTADOR

Metro italiano para Bogotá

LOCAL (-)

METROPOLITAN(+)

Stage 3

Stage 2

Stage 1

UTOPIA OR DYSTOPIA?

Worthening Frictions of Strengthening Synergies?
Source: Own Elaboration

From

CHALLENGES

To

OPPORTUNITIES

Abandonment
Parking Lots and Buildings
Abandoned

Rehabilitation
Development Corridors re-appropriating and
recovering Parks and Heritage Buildings on Decay

Disruption
Highways and Main Streets
Dividing
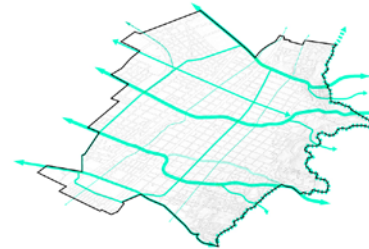
Integration
Green Axes for the public life Intertwining
and Strengthening the Broken Systems

Isolation
Transport Facilities
Functionaly and Spatially
Closed
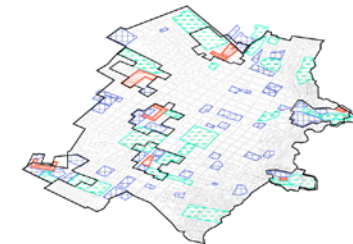
Activation
Multi Functional and Level Clusters Stimulating
the Regeneration and Consolidation

FROM CHALLENGES TO OPPORTUNITIES

Multilevel Strategies
Source: Own Elaboration

1. Heritage Special
Management Plan | 2017

NATIONAL

IDENTITY - Urban & Cultural Heritage

Not Implemented

LOCAL
URBAN

FUNCTIONALITY - Urban Structures & Networks

1. Centre Zonal Plan | 2010
2. Traditional Center
Revitalizational Plan | 2015

NATIONAL

IDENTITY - Urban & Cultural Heritage

1. Metro Line Plan | 2016
2. Regional Tram Plan | 2014

LOCAL
URBAN

MOBILITY - Urban Transport and Infrastructure

FUNCTIONALITY - Urban Structures & Networks

NATIONAL
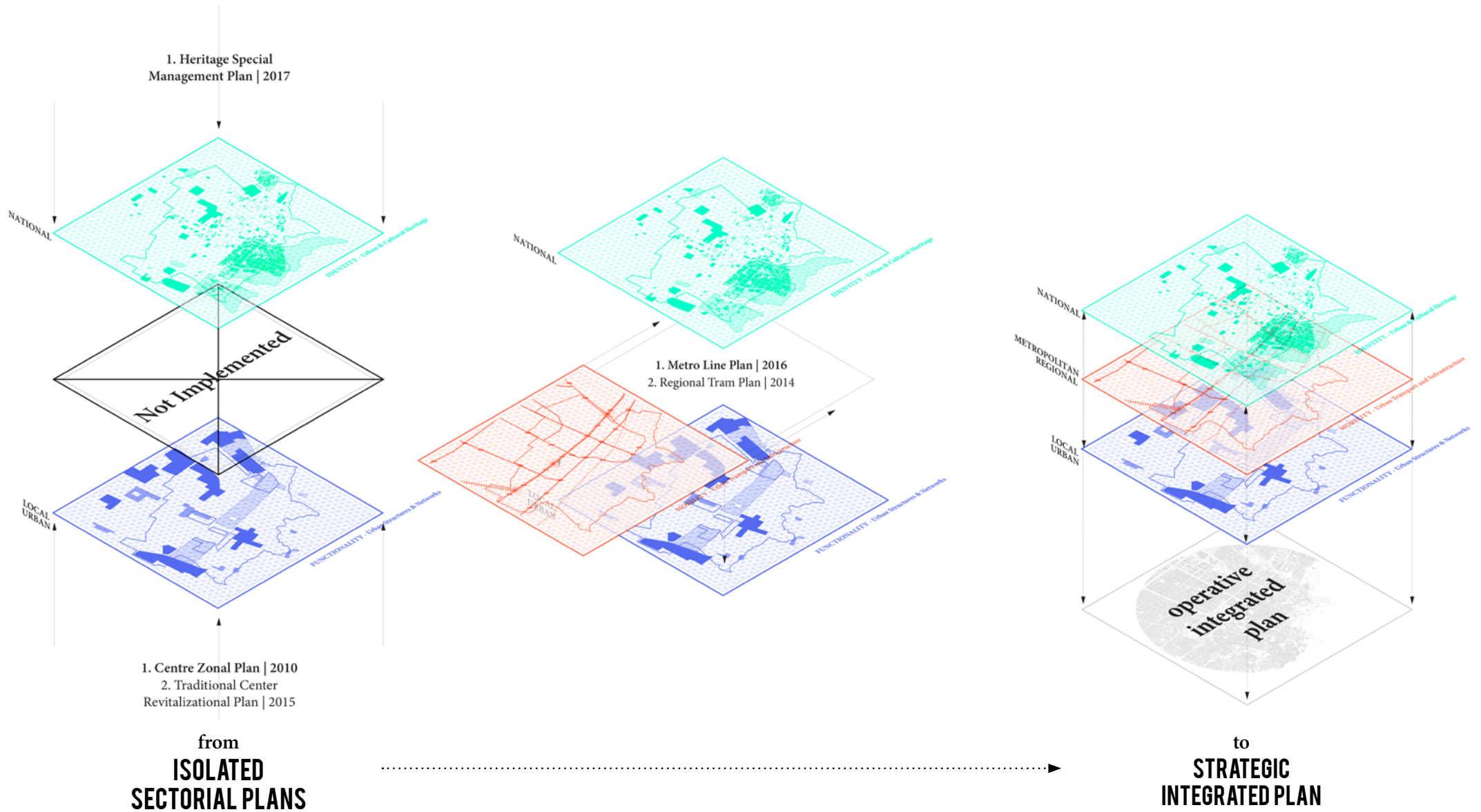
METROPOLITAN
REGIONAL

IDENTITY - Urban & Cultural Heritage

MOBILITY - Urban Transport and Infrastructure

LOCAL
URBAN

FUNCTIONALITY - Urban Structures & Networks

operative
integrated
plan

from
**ISOLATED
SECTORIAL PLANS**

to
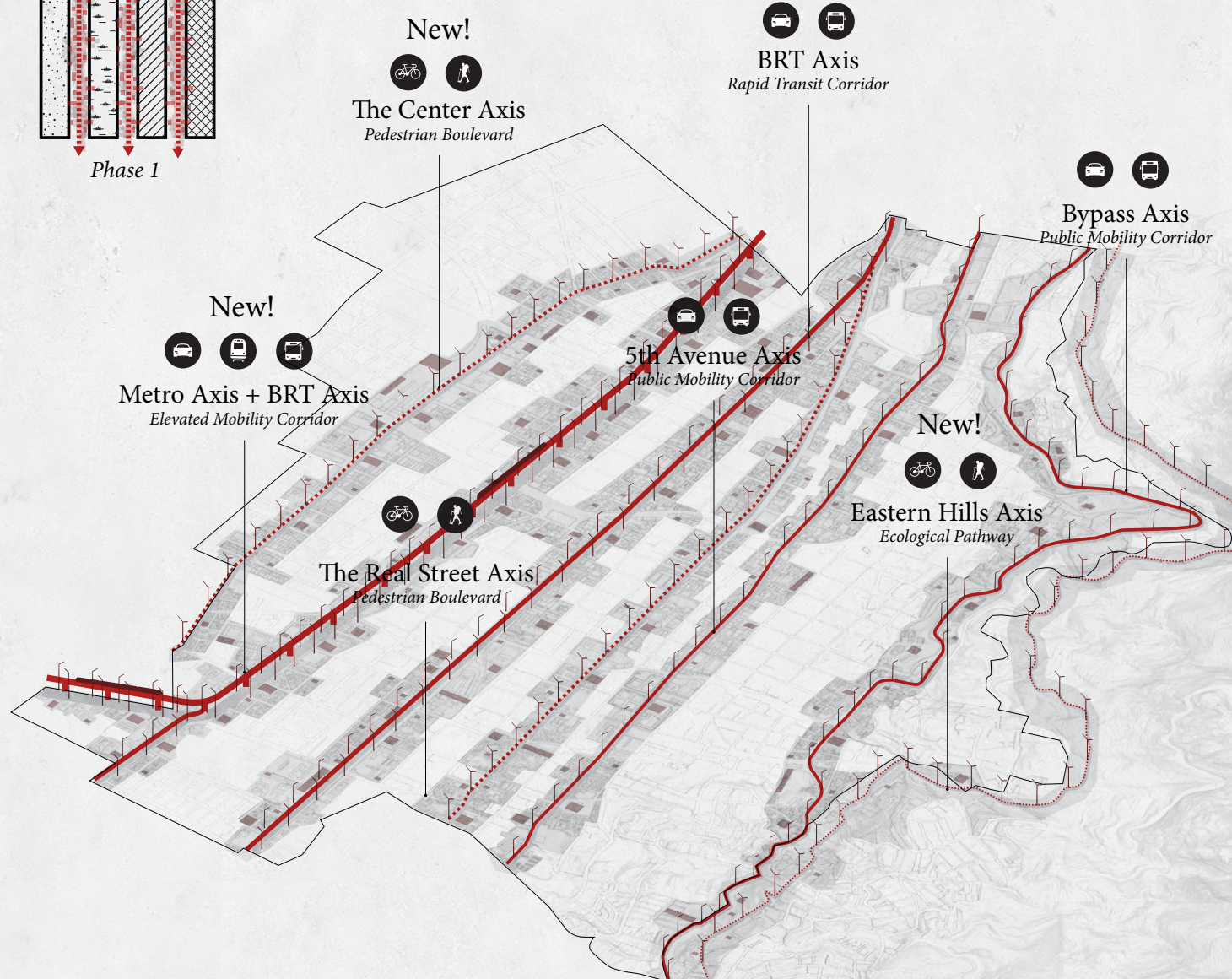**STRATEGIC
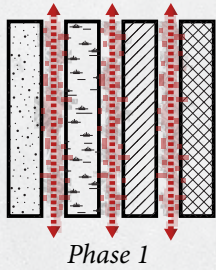INTEGRATED PLAN**

NON IMPLEMENTED PLANS

Proposals established by Public Authorities
Source: Own Elaboration
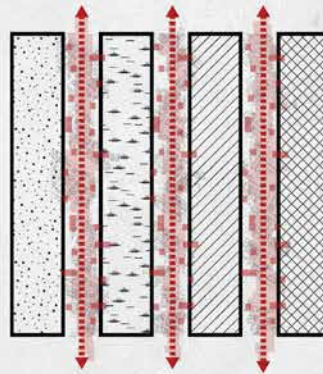
REHABILITATE
Phase 1

By strengthening fast arteries for efficient rapid transit systems in combination with safe paths for bicycle and pedestrian flows, the mobility axes will **reinforce** the **accesibility**, **livability** and **urban quality** along the corridors.

New!

The Center Axis
Pedestrian Boulevard

BRT Axis
Rapid Transit Corridor

Bypass Axis
Public Mobility Corridor

New!

Metro Axis + BRT Axis
Elevated Mobility Corridor

5th Avenue Axis
Public Mobility Corridor

New!

Eastern Hills Axis
Ecological Pathway

The Real Street Axis
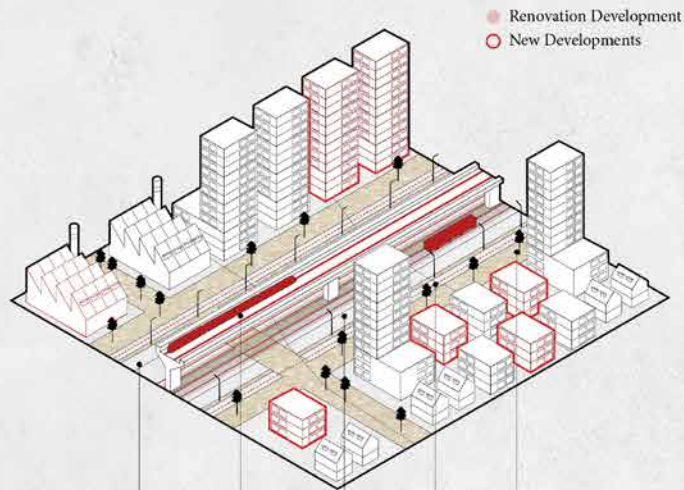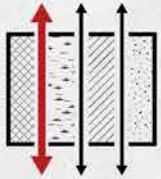*Pedestrian Boulevard*

REHABILITATION

Mobility Corridor
Source: Own Elaboration

REHABILITATION
Mobility Corridors

FAST SPEED CORRIDOR
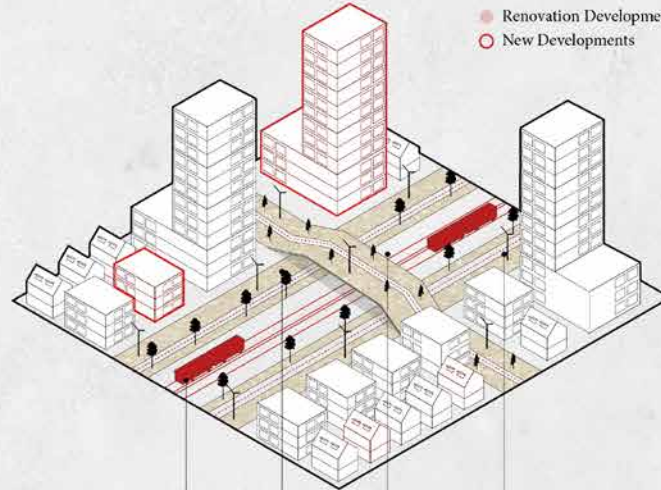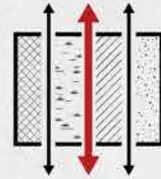New Blocks Development
Metro + BRT + Bike Lanes

MEDIUM SPEED CORRIDOR
Buildings Construction & Rehabilitation
BRT + Bike Lanes

SLOW SPEED CORRIDOR
Existing Buildings Rehabilitation
Bike Lanes

Renovation Development
New Developments

Renovation Development
New Developments

Renovation Development
New Developments

Outer Loop Freeway | Metro Elevated Line | Transmilenio Line | Bike Lanes | 50m Sidewalks
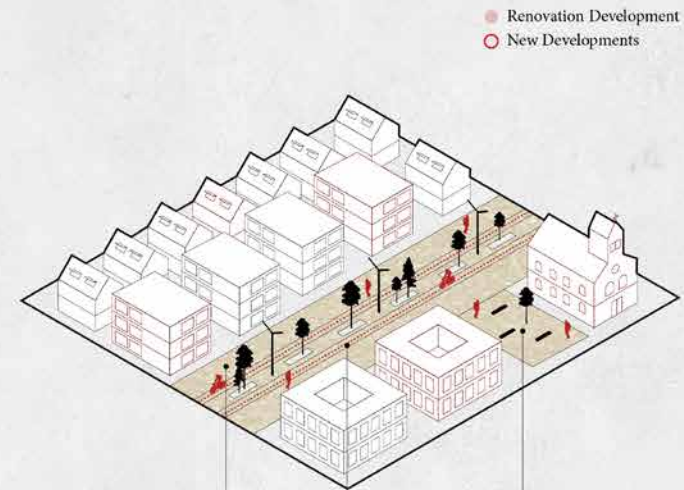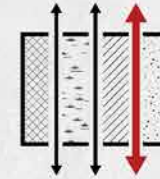
Transmilenio Line | 30m Sidewalks | Pedestrian Bridges | Bike Lanes

Pedestrian Street | Bike Lanes | Local Squares

MOBILITY CORRIDOR COMPONENTS

Defintion of General Strategies
Source: Own Elaboration
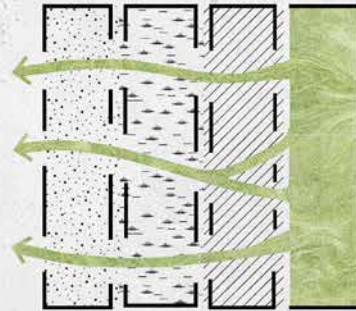
INTEGRATE
Phase 2

The green corridors along the former highways will become elements able to promote cohesion and order in the territory. They will have the natural ability to preserve the environmental values of the local ecosystems while reinforcing the daily activities in the public space.

Industrial District
Reinforced Undesiderd Functions

Modern Downtown
Abandoned Public Facilities

Historical City
Demolished Urban Heritage

Nature Reserve
Expanded Informal Settlements

THE HILLS - INTEGRATION SYSTEM
From a Natural Boundary to an Ecological Backbone

Memory Axis
Green Corridor A

Environmental Axis
Green Corridor B

RiverAxis
Green Corridor C

Promenade Axis
Green Corridor D
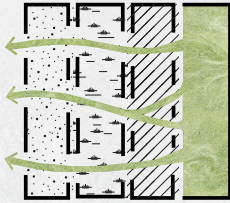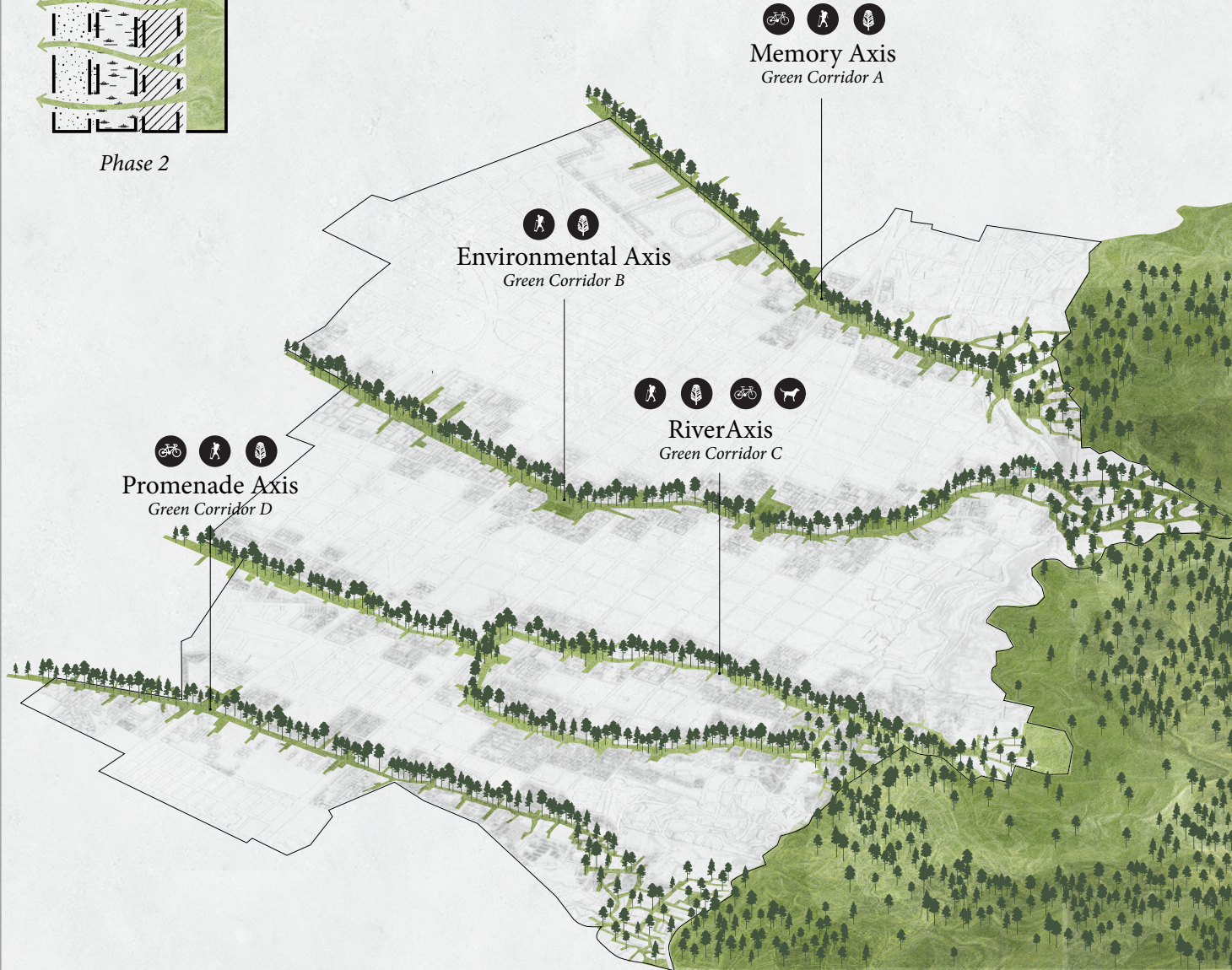
INTEGRATION
Green Corridors

HILLS ECOLOGICAL PATHWAY
Nature Reserve & Historical City
First Integration Between Systems

RIVER LINEAR PARK
Historical City & Modern Downtown
Second Integration Between Systems

PUBLIC PROMENADE
Modern Downtown & Industrial District
Third Integration Between Systems
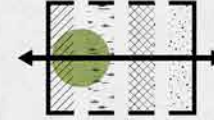
Pocket Park	Green Bridge	Mountains Path	Play Ground	Forest Park

Urban Park	River Walk	Public Plaza	Metropolitan Park	Pocket Park

Pocket Park	Public Plaza	Residential Courtyards	Play Ground	Public Boulevard

GREEN CORRIDOR COMPONENTS

Defintion of General Strategies
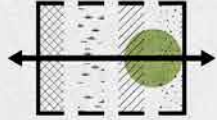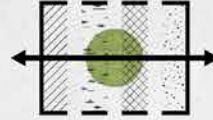*Source: Own Elaboration*
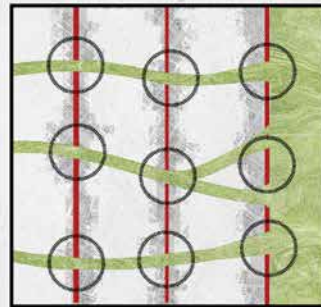
ACTIVATE
Phase 3

The **juxtaposition** of both ecological and mobility corridors will trigger the regeneration of the City Center by enabling a better **coexistence** between the **metropolitan functions** and the **local dynamics**.

P Potential Development Node
Red-Green Intersection
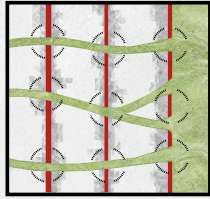
ACTIVATION
Combined Strategy

Phase 3

f
Facilities Cluster
+ *Memory Intermodal Central Station*

i
Industrial Cluster
+ *La Sabana Train Station*

c
Commercial Cluster
+ *San Victorino Metro Station*

e
Education Cluster
+ *Monserrate Cable Car Station*

h
Health Cluster
+ *Hospitals Metro Station*

hi
Historic Cluster
+ *Candelaria BRT Station*

p
Environmental Cluster
+ *Guadalupe Cable Car Station*

ACTIVATION
Combined Strategy

THE MEMORY LANE

THE EXPLORA LAB

THE SKY HUB

THE HEALTH CITY

THE NEW OLD CENTER

THE REDISCOVERY VALLEY

THE PILGRIMAGE TRACK

7 STRATEGIC PROJECTS

Redefinition of Clusters as Activators
Source: Own Elaboration

CITY CENTER STRATEGIC PLAN

Integrated Regeneration Proposal
Source: Own Elaboration

0   100   500   1000 (m)

Actions

01. Introducing a **network of diverse means of transportation** able to respond to the daily system of the diverse set of actors.

02. Enhancing mobility systems that could promote a more **sustainable transportation model**.

03. Promoting an **inclusive and exclusive transit oriented model** that could improve the existing dynamics principally at the local level.

04. **Interweaving the formal and informal sphere**, in order to promote collective functions that recognize the realities of the multiple actor's and their respective role in society.

05. **Consolidating** the urban functions into **strategic clusters**, that could revitalize the value of meaning of the City Center as the most valuable place within the city.

06. **Encouraging residential activities** to make a livelier and more secure city center, principally at nights and on the weekends and on the long term promote a compact, dense and mixed urban model.

07. **Recover the deprived urban and environmental heritage** by introducing new functions such as transport, residential or institutional components.

08. **Empower the plurality and identity of the City Center** and its diverse neighborhoods by empowering the existing positive cultural character and diminishing the undesired ones.

09. **Reocuping parking lots and private parks** in order to enable a better integration between the green public spaces and the metropolitan ecological structure.

10. **Establish a evolutionary strategic and operative plan** that could cope the goals and values of the heritage, mobility and renovation plans in the Historic City Center.

11. Formulate a flexible **platform that facilitates the interinstitutional relations and community participation** in order to make the City Center's plans and designs feasible, sustainable and easy to be implemented.

Principles

REHABILITATION

Reinforce mobility corridors as epicenters of urban transformation.

Promote easy access to sustainable mobility systems.

Recover and adapt elements on abandonment or decay.

ACTIVATION

Establish typologies that promote densification and mixed use.

Reinforce safe and lively public spaces at multiple levels.

Establish stations as cohesive and inclusive centralities.

INTEGRATION

Enable functional plurality between the formal and the informal.

Establish places for gathering together and building community.

Intertwine tangible and intangible natural and urban assets.

Projects

THE MEMORY LANE

THE EXPLORA LAB

THE SKY HUB

THE HEALTH CITY

THE NEW OLD CENTER

THE REDISCOVERY VALLEY

THE PILGRIMAGE TRACK

INTEGRATED STRATEGY

Integrated Proposal Framework
Source: Own Elaboration

THE MEMORY LANE

Strategic Project No.1
Source: Own Elaboration

RENAISSANCE PARK

26TH STREET

bordering highways

MEMORY CENTER

CENTRAL CEMETERY

isolated heritage site

INTERNATIONAL CENTER

abandoned built heritage

TRANSMILENIO TRACK

multilevel infrastructure disruption

TOLERANCE AREA

exposed red light district

SANTA FE NEIGHBOURHOOD

increased heavy industry

unused follow land

massive parking

INDEPENDENCE PARK

deprived bar district

ALAMEDA NEIGHBOURHOOD

TRANSMILENIO STATION

decay because of bus line

insecure and liveless neighbourhood

demolished building sites as parking lots

THE MEMORY LANE – STATUS QUO

Strategic Project No. 1
Source: Own Elaboration

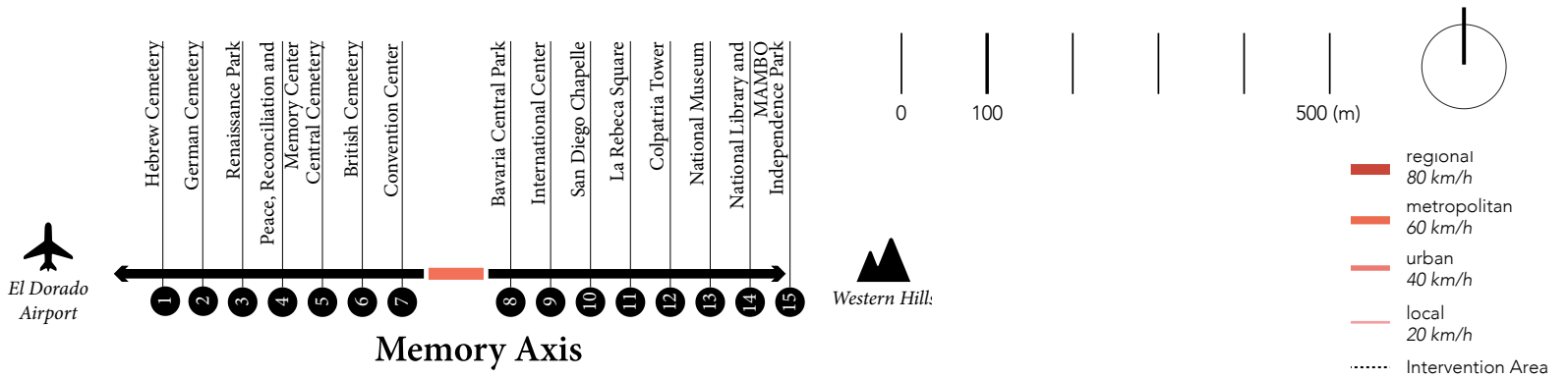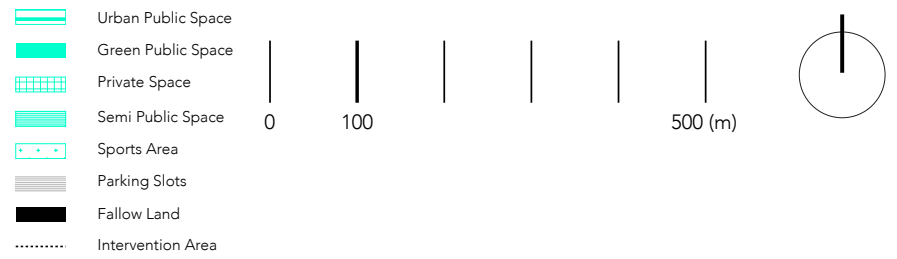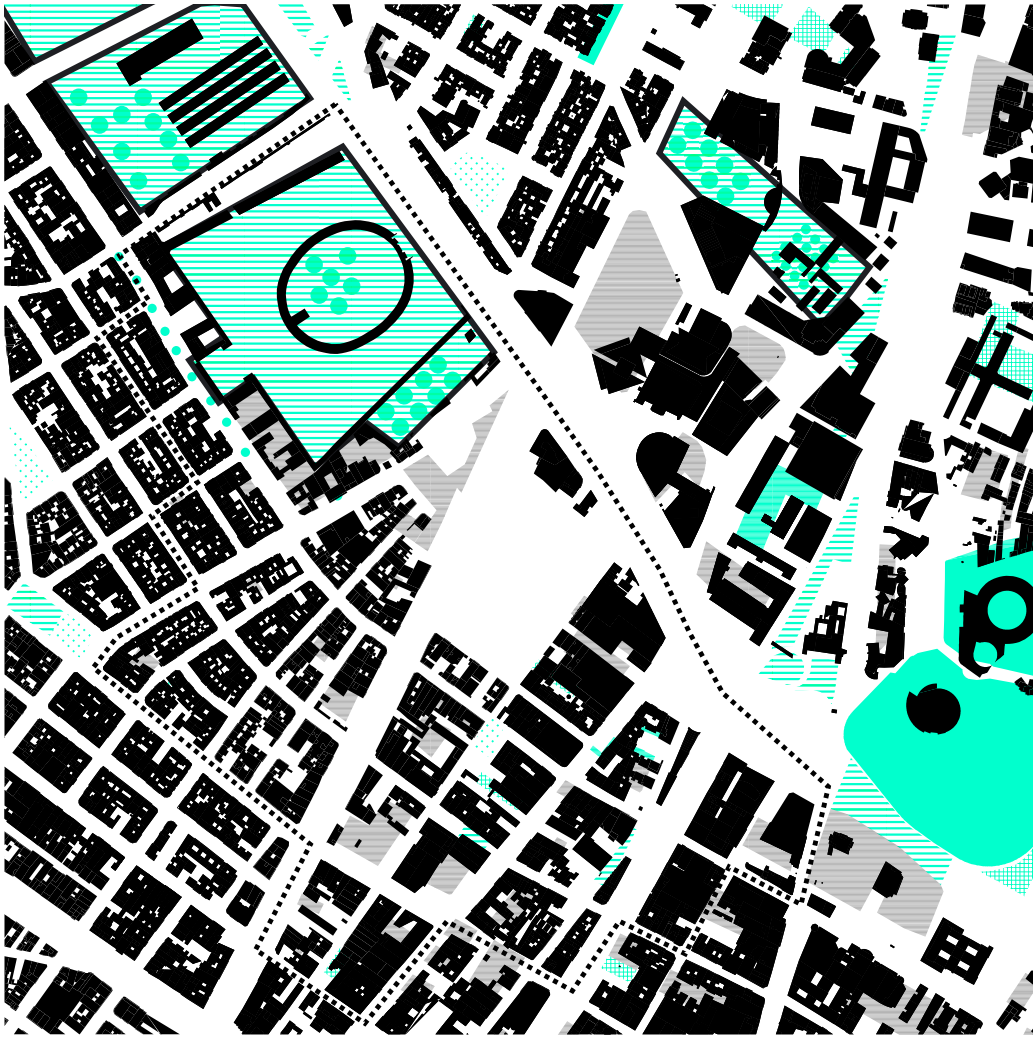| Urban Heritage	Low Rise High Tolerance Area	Dense Commercial & Business Area	High Rise International Centre
*Origin_* Developed from 1530	*Origin_* Developed from 1850	*Origin_* Developed from 1550	*Origin_* Developed from 1910
Systems Incorporated _ Heritage, Housing, Institutions, Facilities, Offices, Business and Public Spaces	*Systems Incorporated _* Heritage, Housing, Institutions, Facilities, Offices, Business, Parking Lots and Public Spaces	*Systems Incorporated _* Heritage, Facilities, Business, Offices and Public Spaces	*Systems Incorporated _* Industry, Housing, Business, Offices and Public Spaces

THE MEMORY LANE
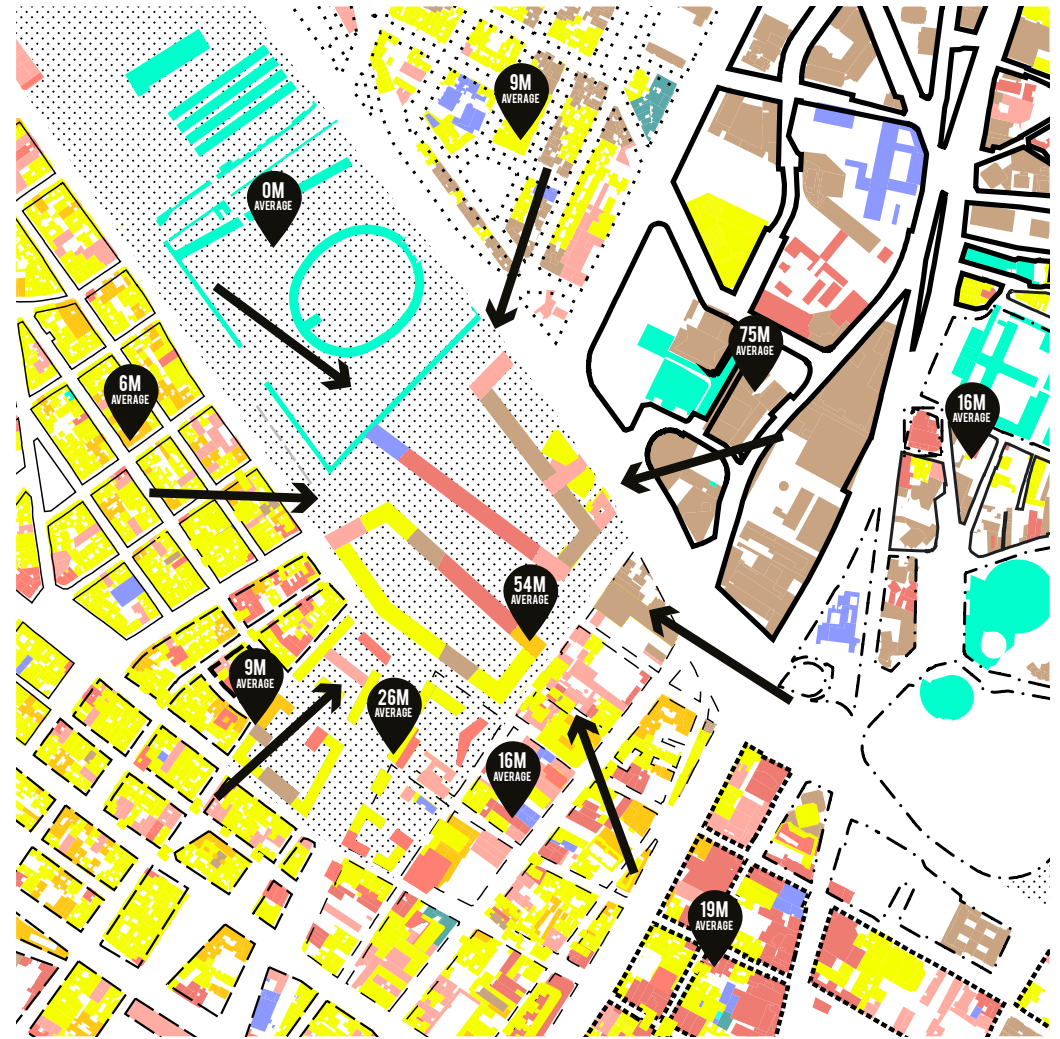
Urban Patterns and Typologies
Source: Own Elaboration

MAIN AXES & FLOWS

Strategic Project No.1
Source: Own Elaboration

El Dorado Airport

Western Hills

Memory Axis

Memory Axis locations (left to right):
1. Hebrew Cemetery
2. German Cemetery
3. Renaissance Park
4. Peace, Reconciliation and Memory Center
5. Central Cemetery
6. British Cemetery
7. Convention Center
8. Bavaria Central Park
9. International Center
10. San Diego Chapelle
11. La Rebeca Square
12. Colpatria Tower
13. National Museum
14. National Library and MAMBO
15. Independence Park

Legend:
- regional 80 km/h
- metropolitan 60 km/h
- urban 40 km/h
- local 20 km/h
- Intervention Area

Scale: 0 — 100 — 500 (m)

Extension of Public Promenade

Memory Square

Neighbourhood Square

Urban Courtyard Park

Memory Plaza

Semi-Public Housing Courtyards

Ecological Axis Towards the Hills

Long-Term Redensification

Urban Public Space
Green Public Space
Private Space
Semi Public Space
Sports Area
Parking Slots
Fallow Land
Intervention Area

0   100   500 (m)

BUILT PRIVATE VS. OPEN PUBLIC

Strategic Project No.1
Source: Own Elaboration

FUNCTIONS & TYPOLOGIES

Strategic Project No.1
Source: Own Elaboration

Legend typologies:
- – – – Low Rise High Tolerance Area
- – – Dense Commercial and Busines
- ······ Dense Traditional Commercial (
- –·–· Urban Heritage
- —— Low Rise Mixed Use
- —— High Rise International Center
- —— Industrial and Commercial Zone
- ······ Low Rise Residential

Legend functions:
- Housing
- Commercial Activity
- Industrial Activity
- Offices
- Hotels/Motels
- Education
- Health

Map labels (left): 9M AVERAGE, 0M AVERAGE, 75M AVERAGE, 6M AVERAGE, 16M AVERAGE, 9M AVERAGE, 16M AVERAGE, 19M AVERAGE

Map labels (right): 9M AVERAGE, 0M AVERAGE, 75M AVERAGE, 6M AVERAGE, 16M AVERAGE, 54M AVERAGE, 9M AVERAGE, 26M AVERAGE, 16M AVERAGE, 19M AVERAGE

Scale: 0 100 500 (m)

Extension of Public Promenade

Neighbourhood Square

MEMORY WALL

THE MEMORY AXIS

Urban Public Courtyard

MEMORY PLAZA

Semi-Public Housing Courtyards

THE STATION NODE

Elevated Metro Track

Pedestrian Bridge +1

THE MOBILITY CORRIDOR

+1

METRO STATION

Pedestrian Bridge +1

-1

UNDERGROUND BRT STATION

Ecological Axis Towards the Hills

Long-Term Redensification

±0

STRATEGY FRAMEWORK

The opportunities of an area on decay
Source: Own Elaboration

0   100   500 (m)

LOCAL STRATEGIC PLAN

Integral Design Proposal
Source: Own Elaboration

0   50m   150m   250 (m)

Public
Boulevard

Mixed-Use
Development

VIILLAGE PARK

Bike
Loop

Transmilenio
Line

Residential
Courtyards

Urban
Park

Metro
Elevated Station

Transmilenio
Underground Station

Recovered
Urban Heritage

COMMUNITY INCUBATOR

Public
Plaza

MEMORY WALL

Metro
Elevated Line

Cemetery
Public Park

Metropolitan
Park
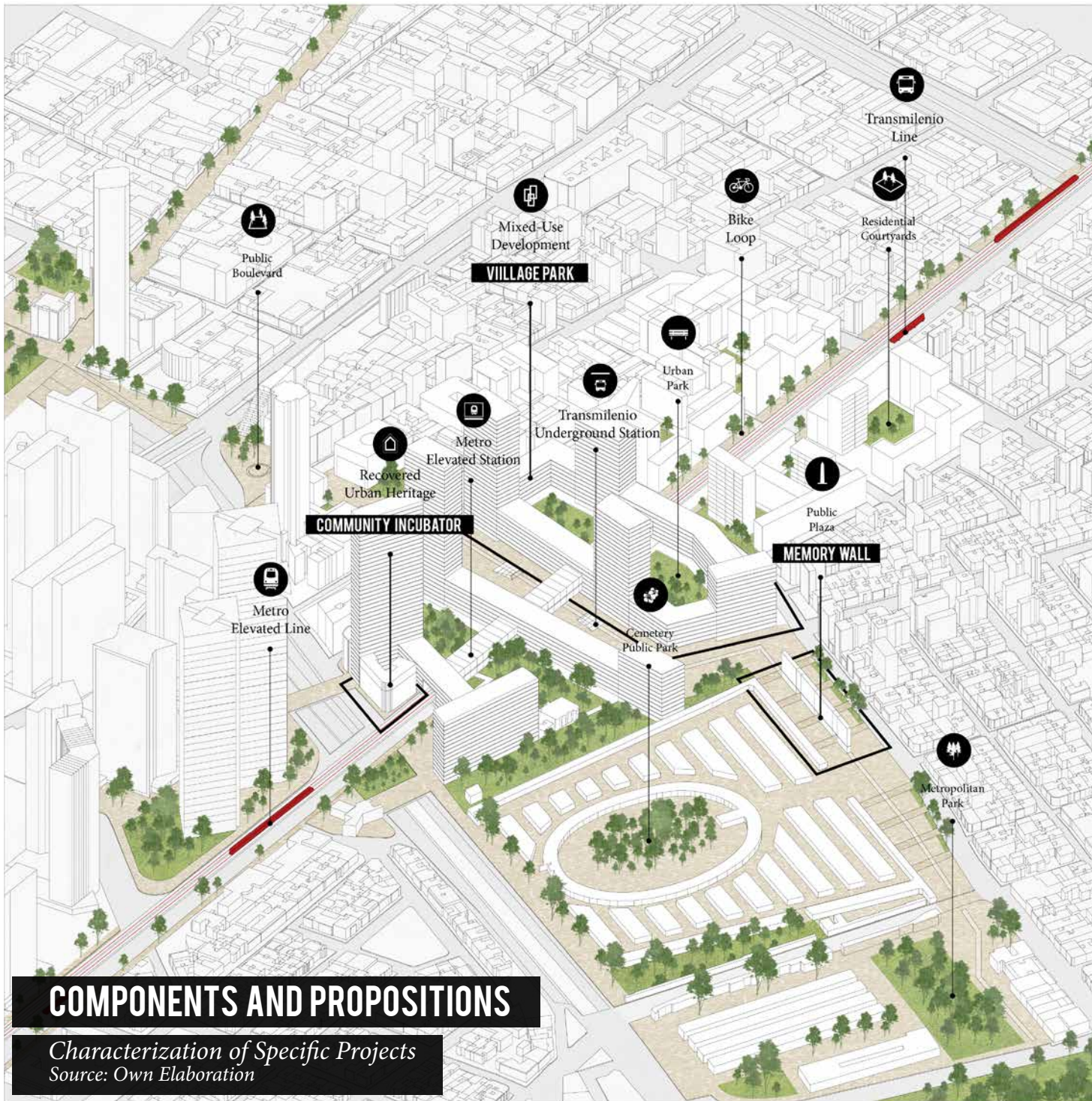
COMPONENTS AND PROPOSITIONS

Characterization of Specific Projects
Source: Own Elaboration
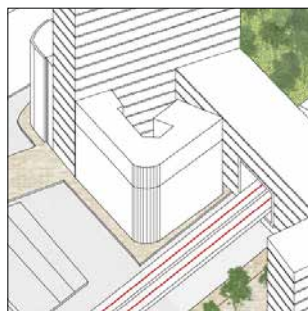
COMMUNITY INCUBATOR

Rehabilitated - *Abandoned Heritage*
Investment_ Low
Urban Impact_ Low / Medium
Actors Involved_ Owners & Tenants, Social Integration
Secretary, Local Developers, Cultural Heritage Institute,
NGOs & Homeless Communities
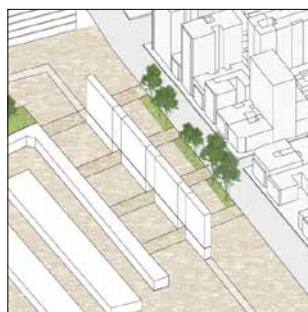
MEMORY WALL

Integrated - *Open Public Facilities*
Investment_ Medium
Urban Impact_ Medium
Actors Involved_ Ministry of Culture, Neighbourhood
Councils, Cultural Heritage Institute, Recreation and
Sports Institute, NGOs & Homeless Communities

VILLAGE PARK

Activated - *Mixed-Used Development*
Investment_ High
Urban Impact_ High
Actors Involved_ Ministry of Housing, Urban
Regeneration Office, Public-Private Transport Companies,
Treasury Ministry, NGOs & Community Action Councils

THREEFOLD DESIGN PREPOSITIONS

Specific Design Opportunities
Source: Own Elaboration
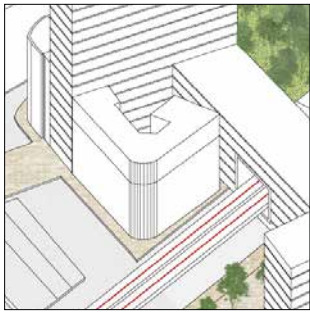
Rehabilitated - *Abandoned Heritage*
Investment_ Low
Urban Impact_ Low / Medium
Actors Involved_ Owners & Tenants, Social Integration
Secretary, Local Developers, Cultural Heritage Institute,
NGOs & Homeless Communities

Isolated Location
In between massive transport
infrastructures and valuable vacant
lots

Expropiated Building
Vandalism and uncontrolled squatting

Vulnerable Places
Urban decay, Insecurity and Heritage
Abandonment

COMMUNITY INCUBATOR

Current Condition and dynamics
Source: Google Earth

1. Status Quo - Abandoned Heritage
Existing Heritage Building Expropiated by the Municipality for the Construction of the Central Station
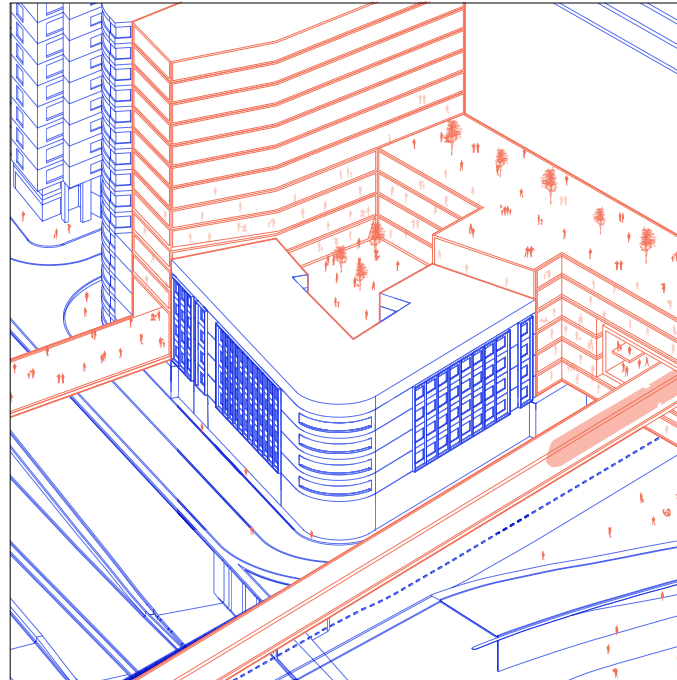
2. Level of Adaptation
Construction of the Elevated Metro Station and New Mixed-Use Development
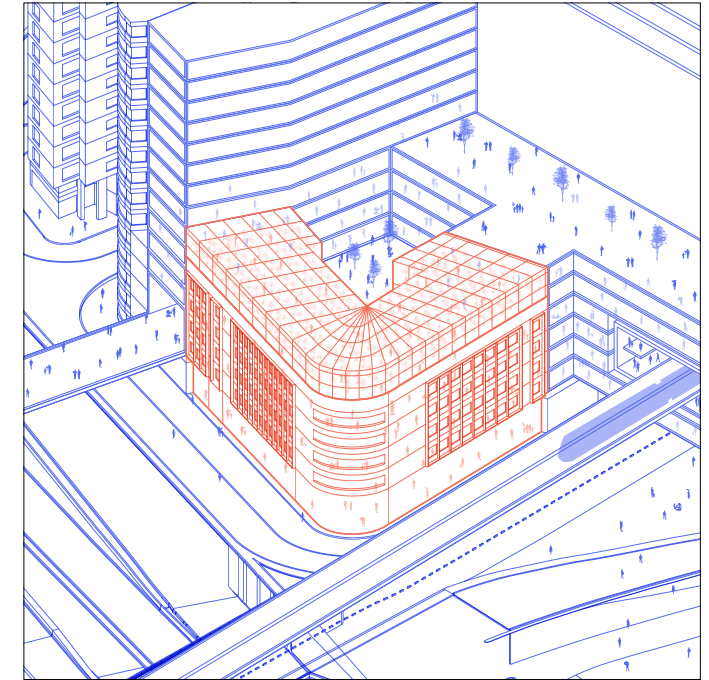
3. Level of Rehabilitation
Activation of a residental and productive building for people in poverty conditions

COMMUNITY INCUBATOR DESIGN

Redefinition of Clusters as Activators
Source: Own Elaboration

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REHABILITATION

transformation corridors

sustainable transport

mixed typologies

recovered heritage

lively public spaces

ACTIVATION

formal + informal

inclusive centralities

community construction

ecologic urbanism
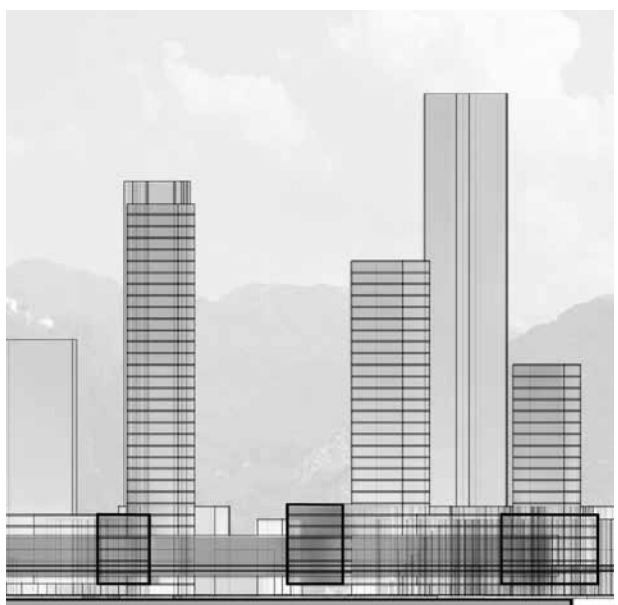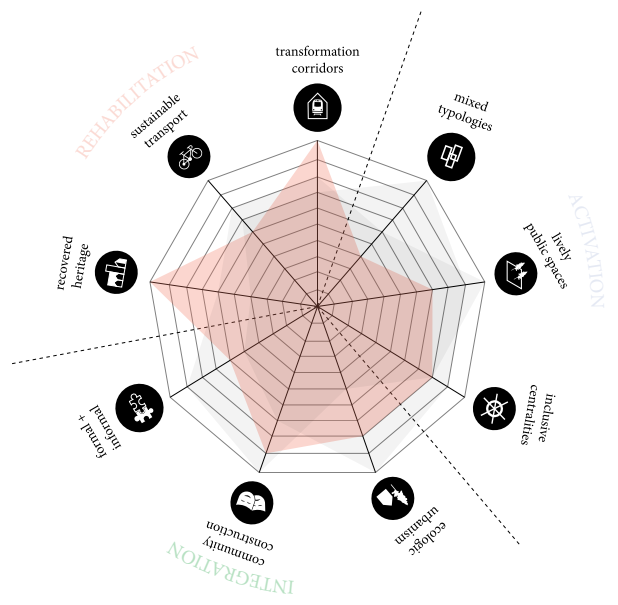
INTEGRATION

Public Promenade_ Section
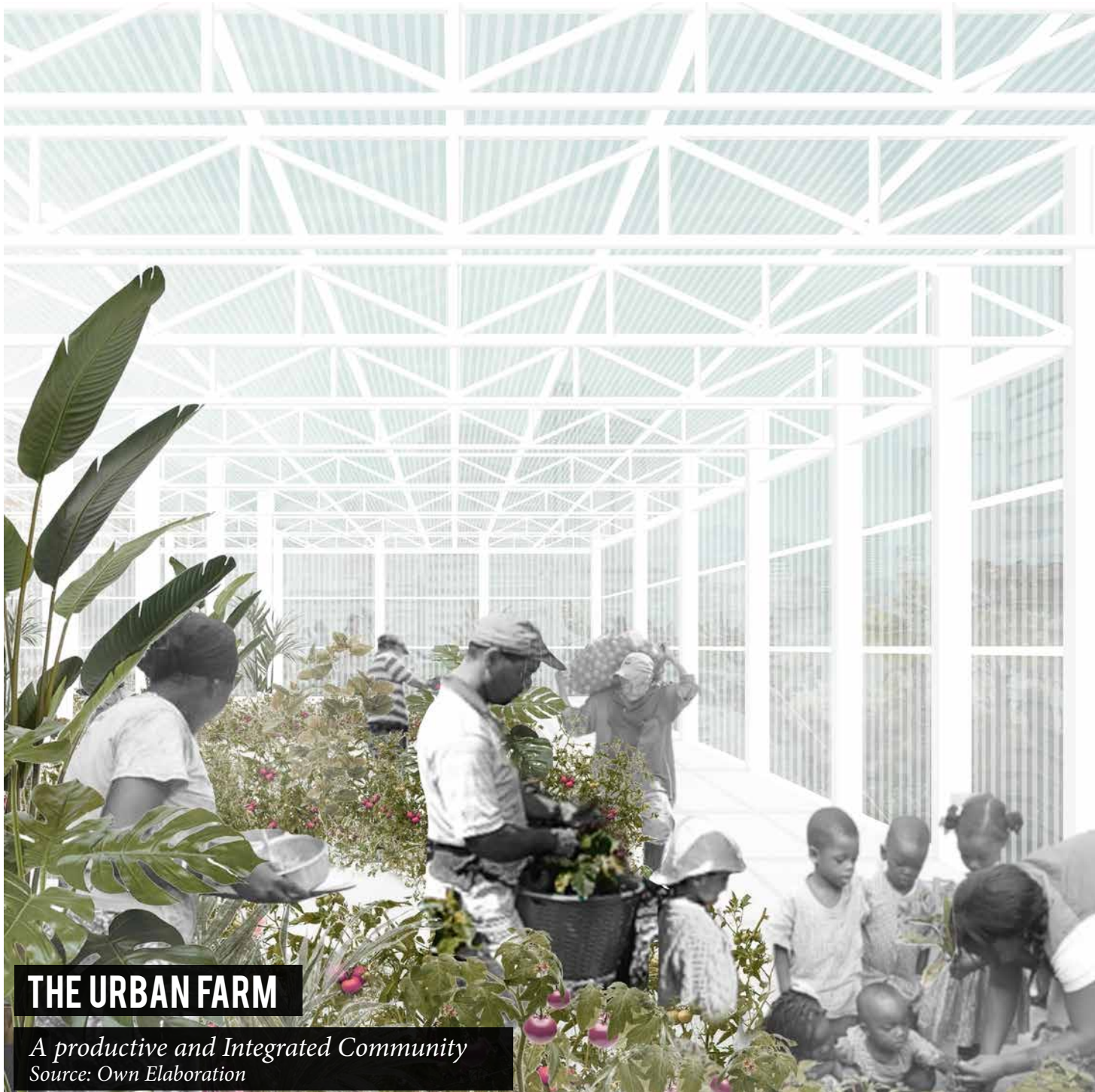
THE URBAN FARM

A productive and Integrated Community
Source: Own Elaboration
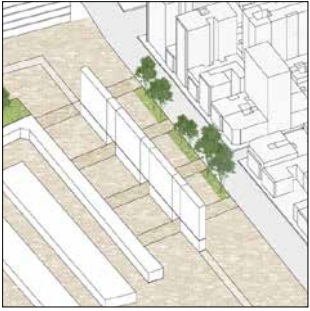
Integrated - *Open Public Facilities*
Investment_ Medium
Urban Impact_ Medium
Actors Involved_ Ministry of Culture, Neighbourhood
Councils, Cultural Heritage Institute, Recreation and
Sports Institute, NGOs & Homeless Communities

Tabula Rasa
The result of changing social dynamics
and lack of renovation programs

Insecure Places
Vandalism Vs. Street Art. The truth of
the urban aesthetics

Undesired Functions
Visible negative activities coexisting
with metropolitan isolated facilities

MEMORY WALL

Current Condition and dynamics
Source: Google Earth
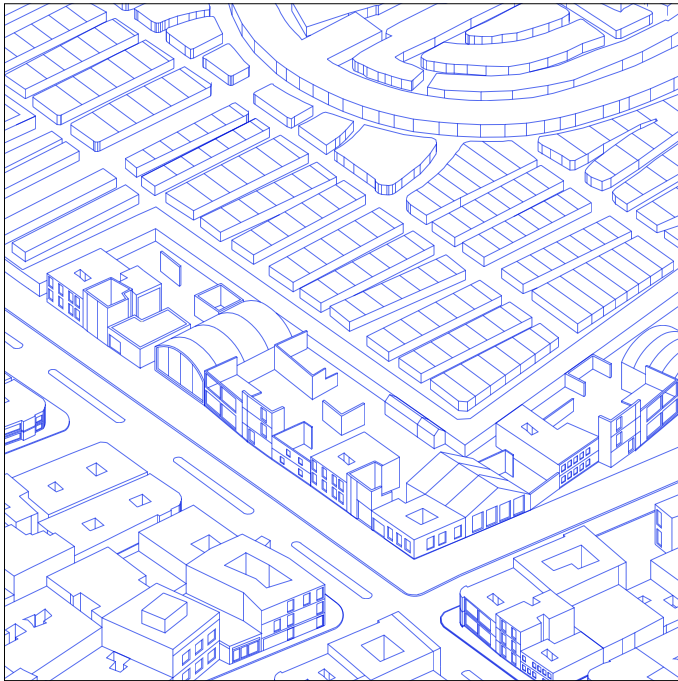
1. Status Quo - Tolerance Area

The Central Cemetery as a closed system has strengthened undesired functions in a Former High class residential sector
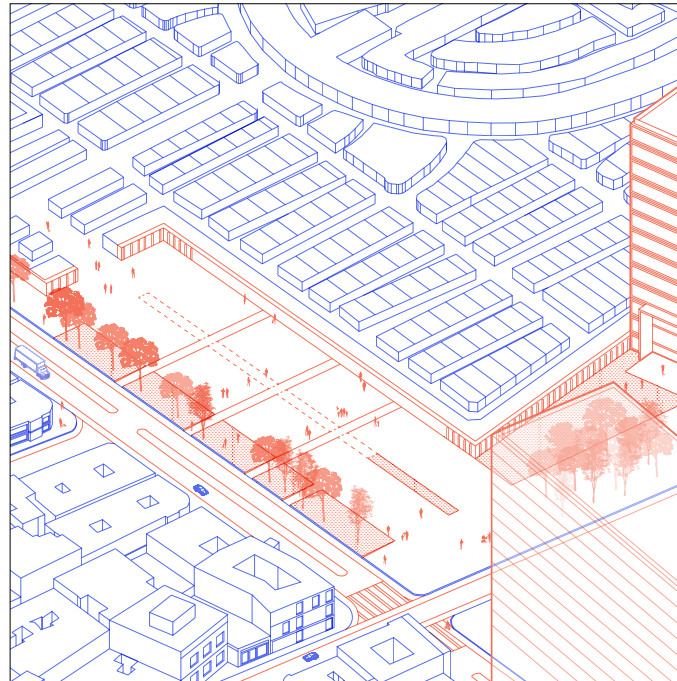
2. Level of Adaptation

Opening of the Cemetery as a public park integrated by Development o
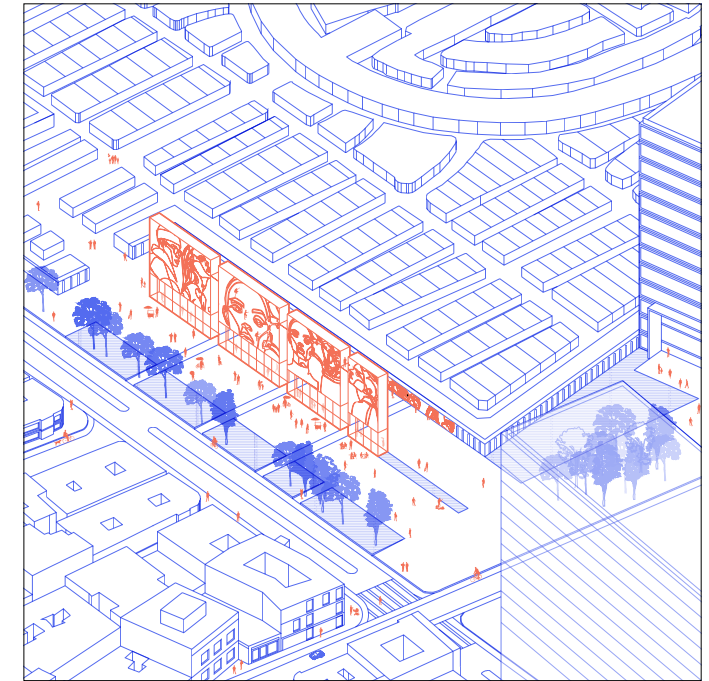
3. Level of Integration

Activation of a residental and productive building for people in poverty conditions

MEMORY WALL

Intervention Challenges and Opportunities
Source: Google Earth
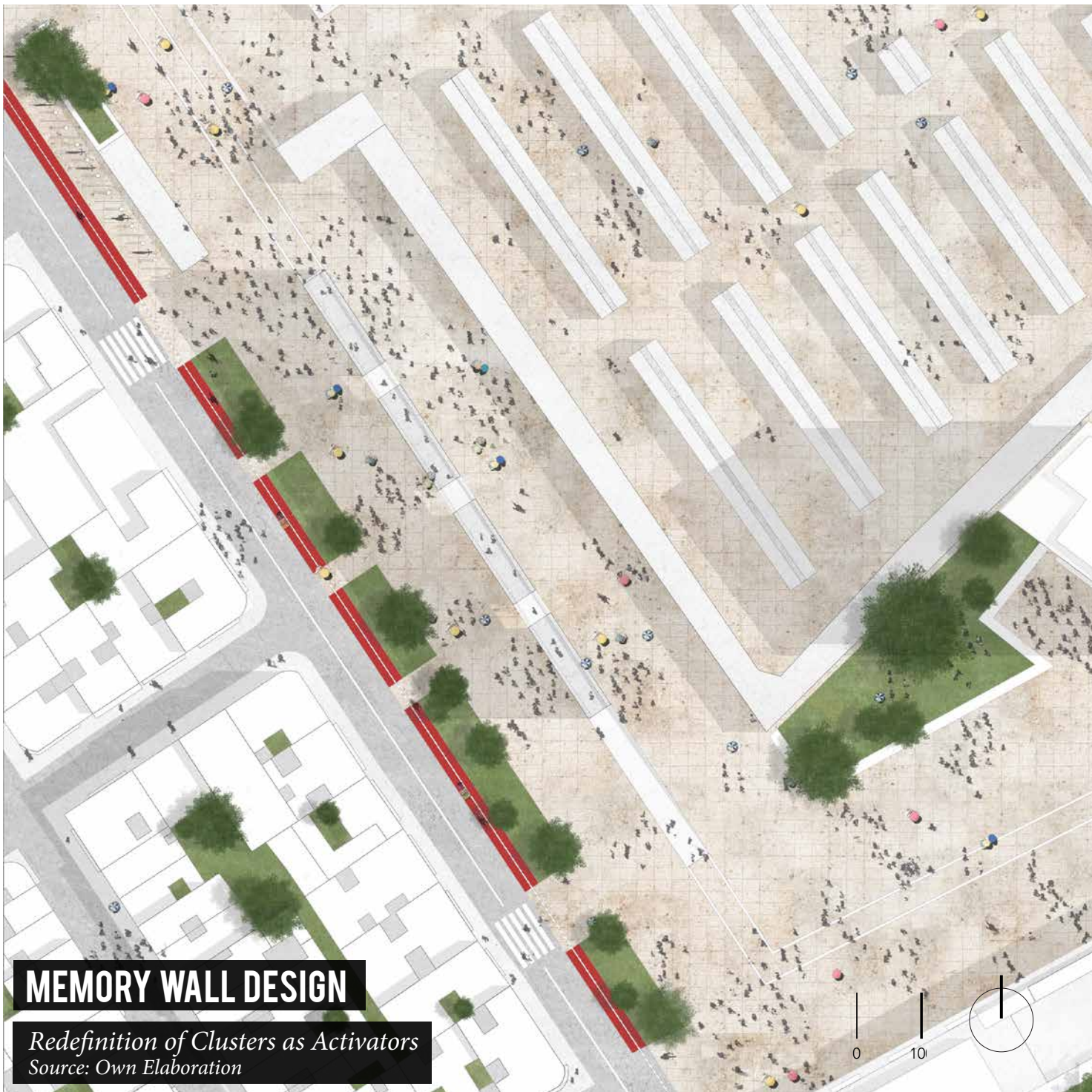
MEMORY WALL DESIGN

Redefinition of Clusters as Activators
Source: Own Elaboration

0   10
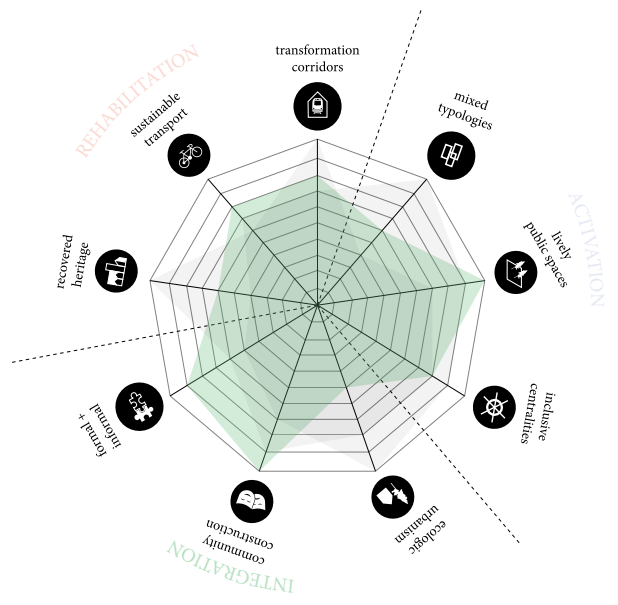
Memory Wall_ Design Matrix

REHABILITATION

transformation
corridors

sustainable
transport

mixed
typologies

recovered
heritage

ACTIVATION

lively
public spaces

inclusive
centralities

formal +
informal

ecologic
urbanism

community
construction

INTEGRATION
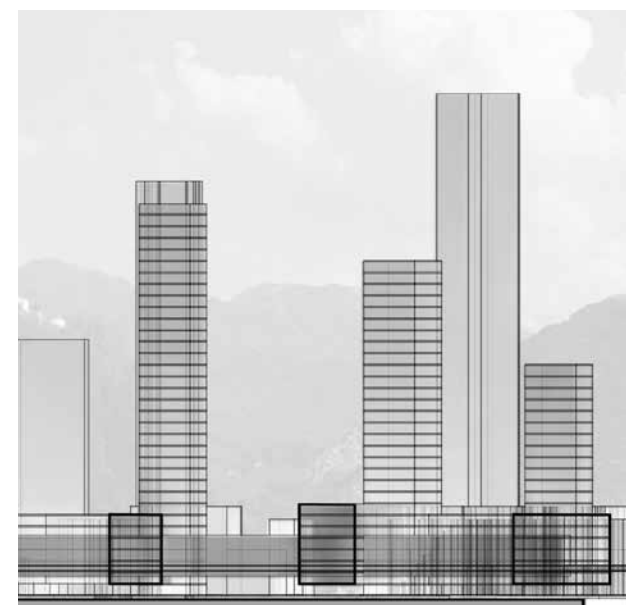
Public Promenade_ Section

A COLLECTIVE PUBLIC MANIFESTO

Places of the people and for the people
Source: Own Elaboration

Activated - *Mixed-Used Development*
Investment_ High
Urban Impact_ High
Actors Involved_ Ministry of Housing, Urban Regeneration Office, Public-Private Transport Companies, Treasury Ministry, NGOs & Community Action Councils

Tabula Rasa
Demolition of what it used to be exlusive neighbourhoods

Expropiated Buildings
Lack of proper instruments and projects that could become implemented

Lack of Urban Life
Urban Deterioration and spatial fragmentation

VILLAGE PARK DESIGN

Current Condition and dynamics
Source: Google Earth
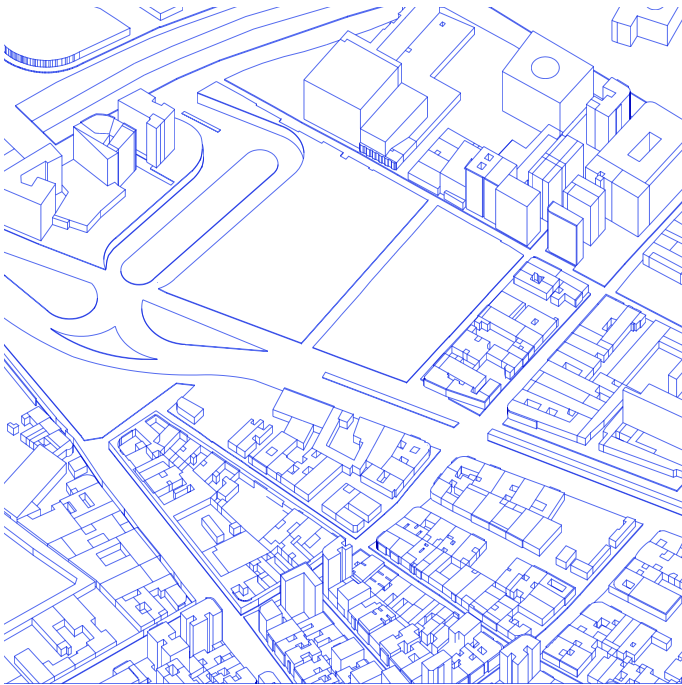
1. Status Quo - Neglected Area
A high scale vacant area surrounded by neighbourhoods with illegal and hazard functions
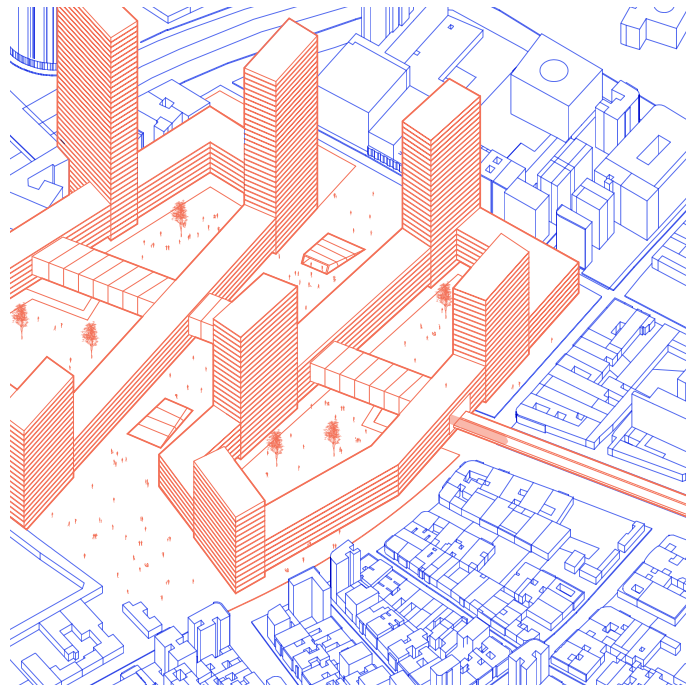
2. Level of Implementation
Construction of the Central Station + Mixed-Use as the main entrance to the City Center
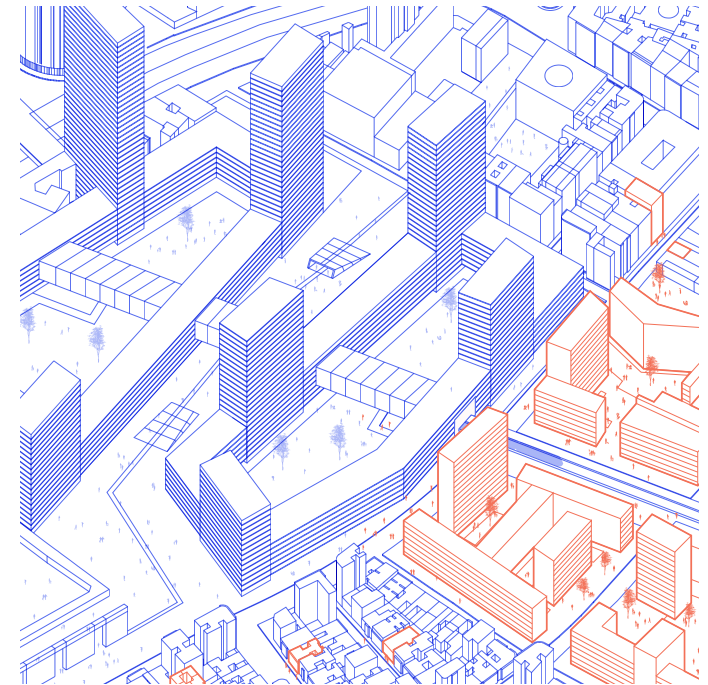
3. Level of Activation
Futher developments which promote the socio-spatial improvement of the area

VILLAGE PARK DESIGN

Intervention Challenges and Opportunities
Source: Google Earth

VILLAGE PARK DESIGN

Mixed-Used Urban Development
Source: Own Elaboration

0   10

Village Park_ Design Matrix

REHABILITATION

transformation corridors

mixed typologies

sustainable transport

ACTIVATION

lively public spaces

recovered heritage

inclusive centralities

format + informal

ecologic urbanism

community construction
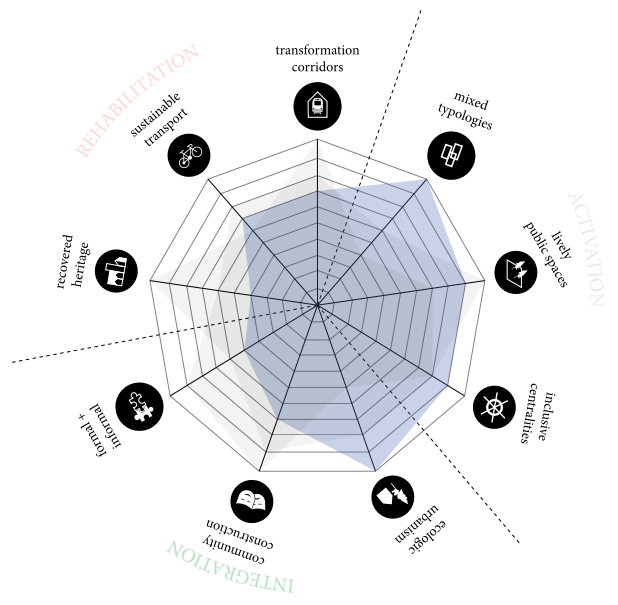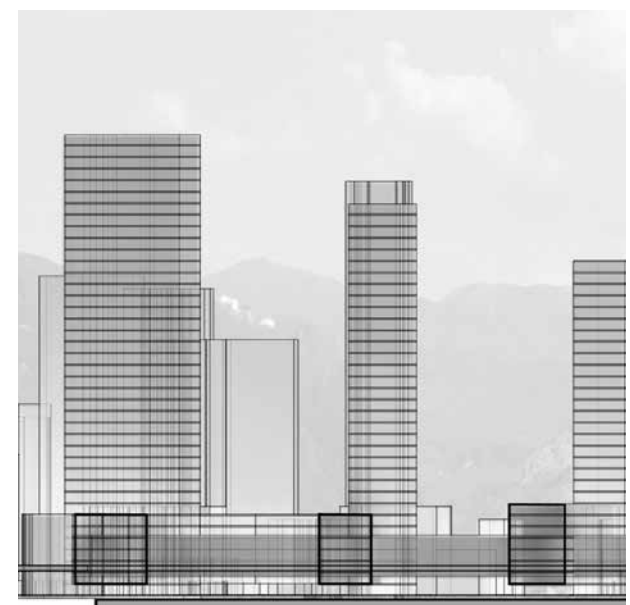
INTEGRATION

Mixed-Use Cluster_ Section
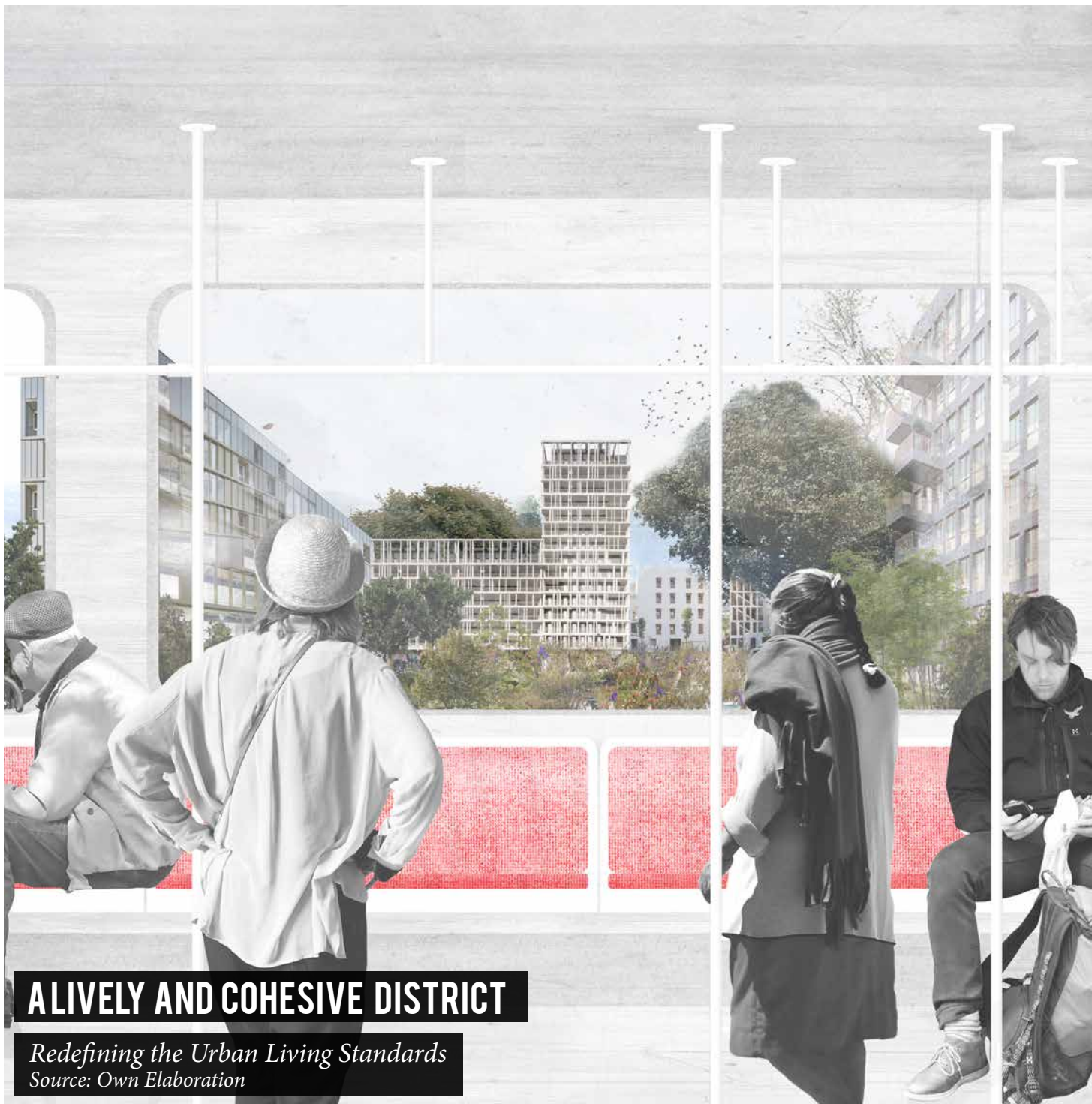
A LIVELY AND COHESIVE DISTRICT

Redefining the Urban Living Standards
Source: Own Elaboration

URBAN STRATEGIES
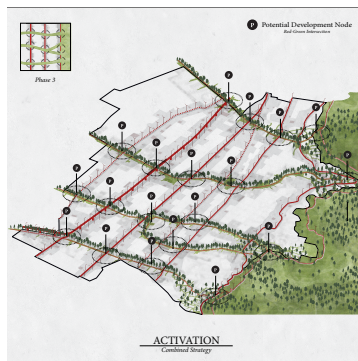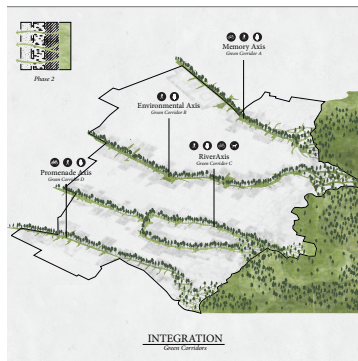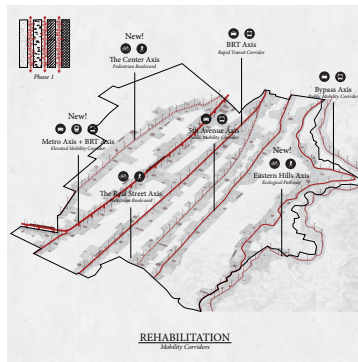
SPECIFIC PROJECTS
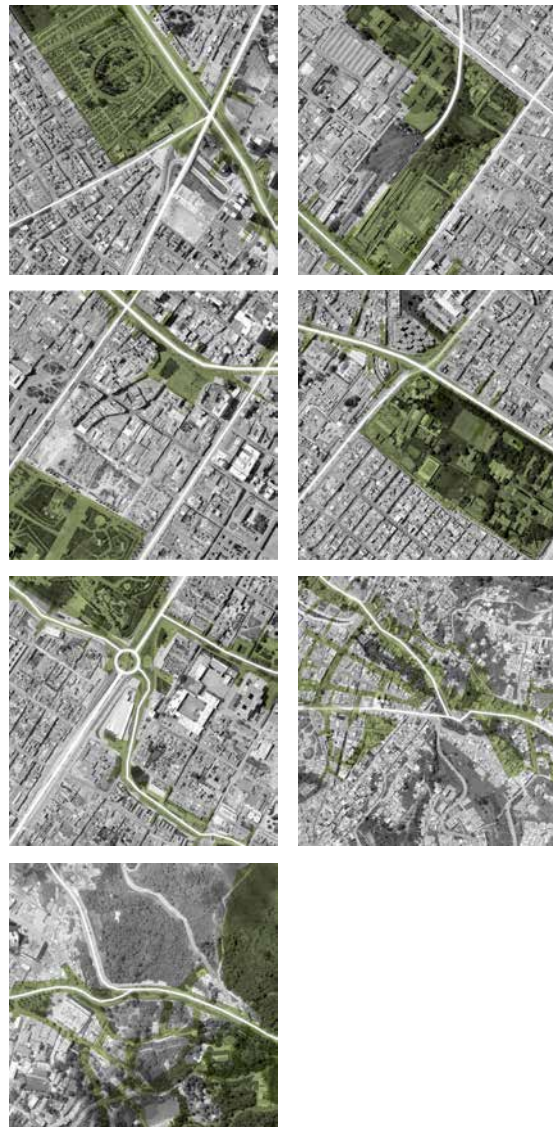
DESIGN PROPOSALS

+

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STRATEGIC INTEGRATED PLATFORM

City Center Regeneration Proposal
Source: Own Elaboration
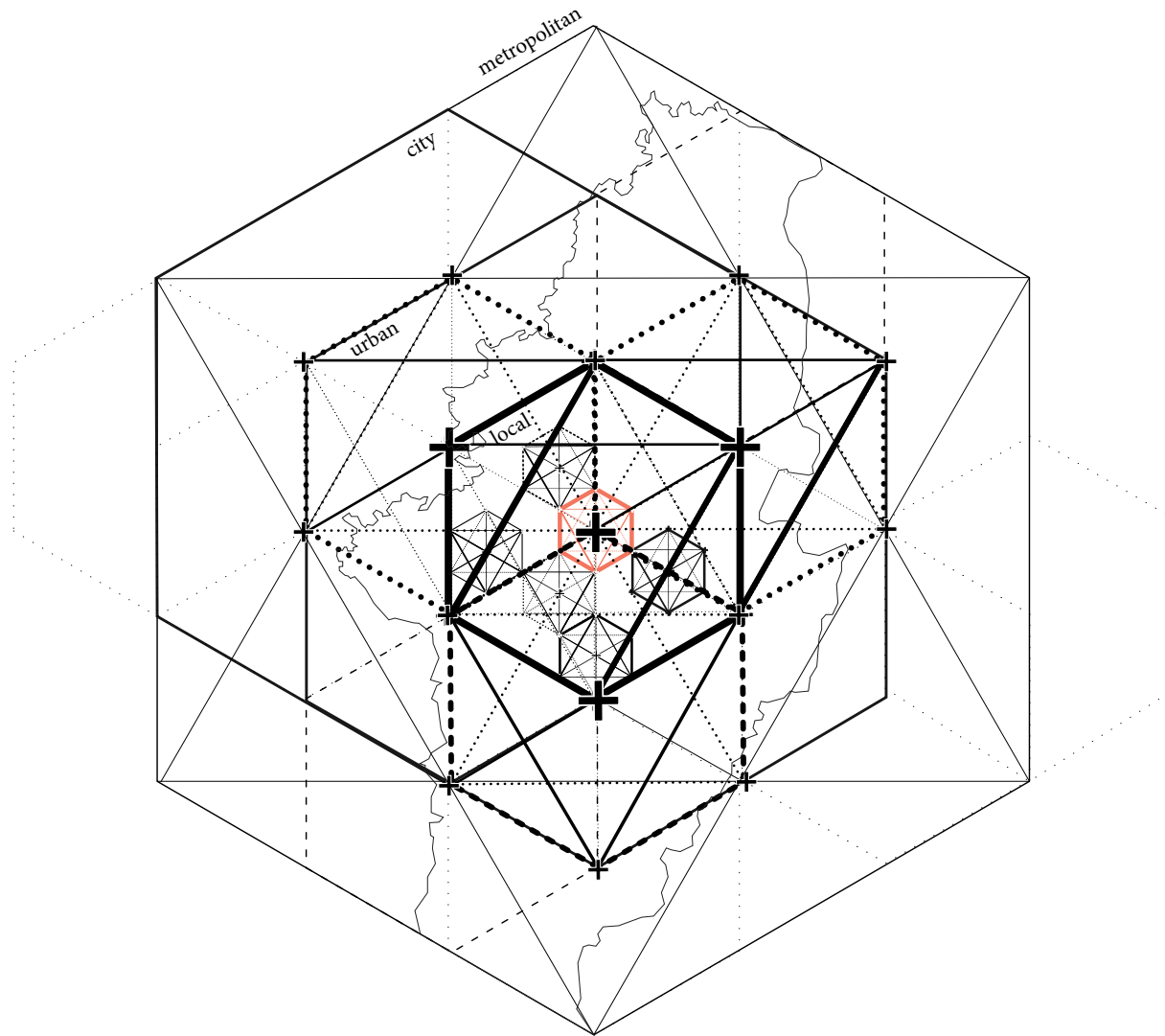
MULTILEVEL STRATEGY - From Local to Metropolitan

Towards a cohesive and responsive center, city and region

Source: Own Elaboration

A REVITALIZED AND COHESIVE CITY CENTER

One Strategy, One Vision
Source: Own Elaboration