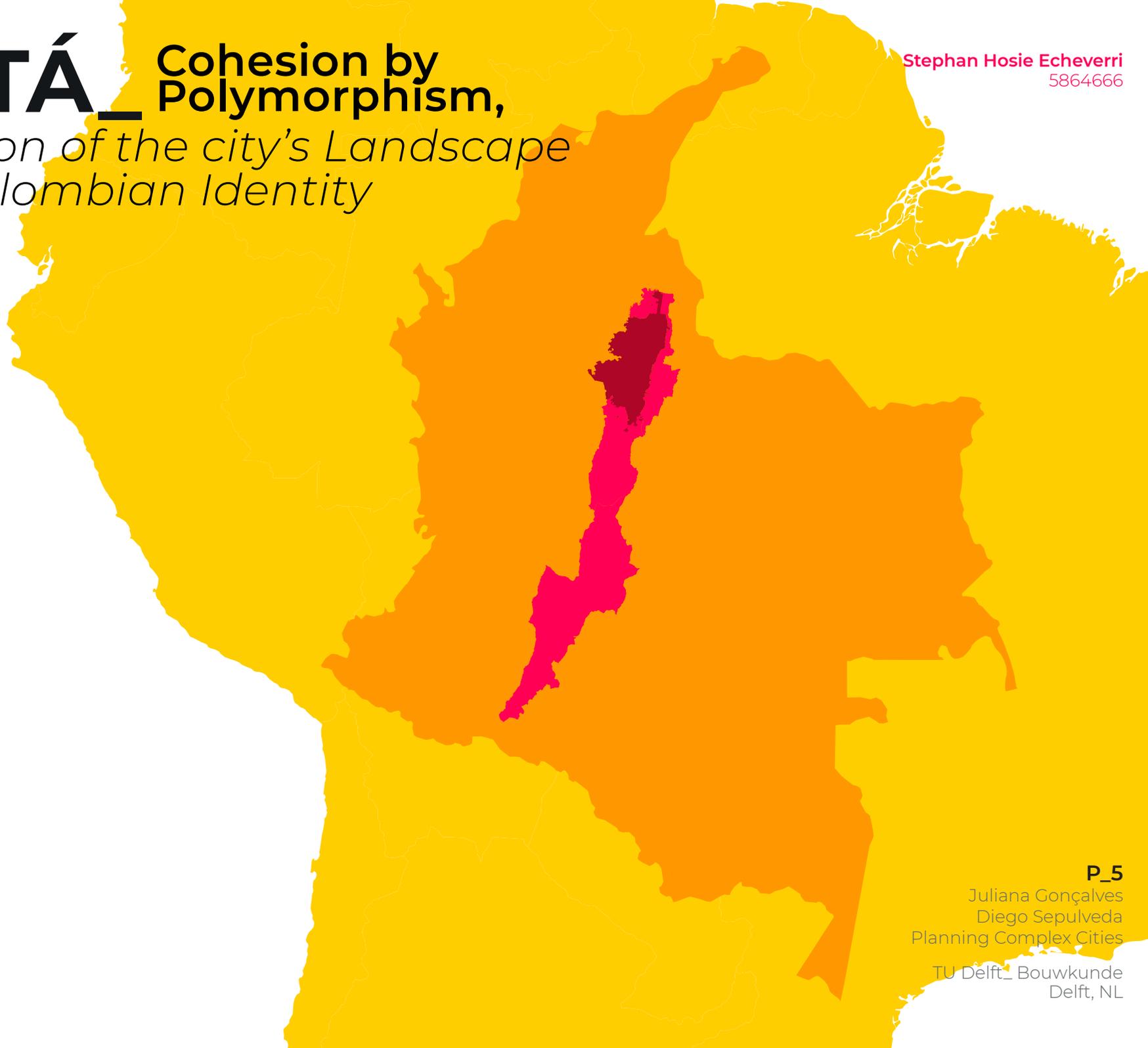


BOGOTÁ_ Cohesion by Polymorphism,

*The reinvention of the city's Landscape
within the Colombian Identity*

Stephan Hosie Echeverri
5864666



P_5
Juliana Gonçalves
Diego Sepulveda
Planning Complex Cities
TU Delft_ Bouwkunde
Delft, NL

“If these difficulties hinder us, who are of its essence, it is not difficult to understand that the rational talents of this side of the world, ecstaticated in the contemplation of their own cultures, have been left without a valid method to interpret us. It is understandable that they insist on measuring us with the same yardstick with which they measure themselves, without remembering that the ravages of life are not the same for everyone, and that the search for one’s own identity is as arduous and bloody for us as it was for them. **The interpretation of our reality with other people’s schemes only contributes to making us more and more unknown, less and less free, more and more lonely.**”

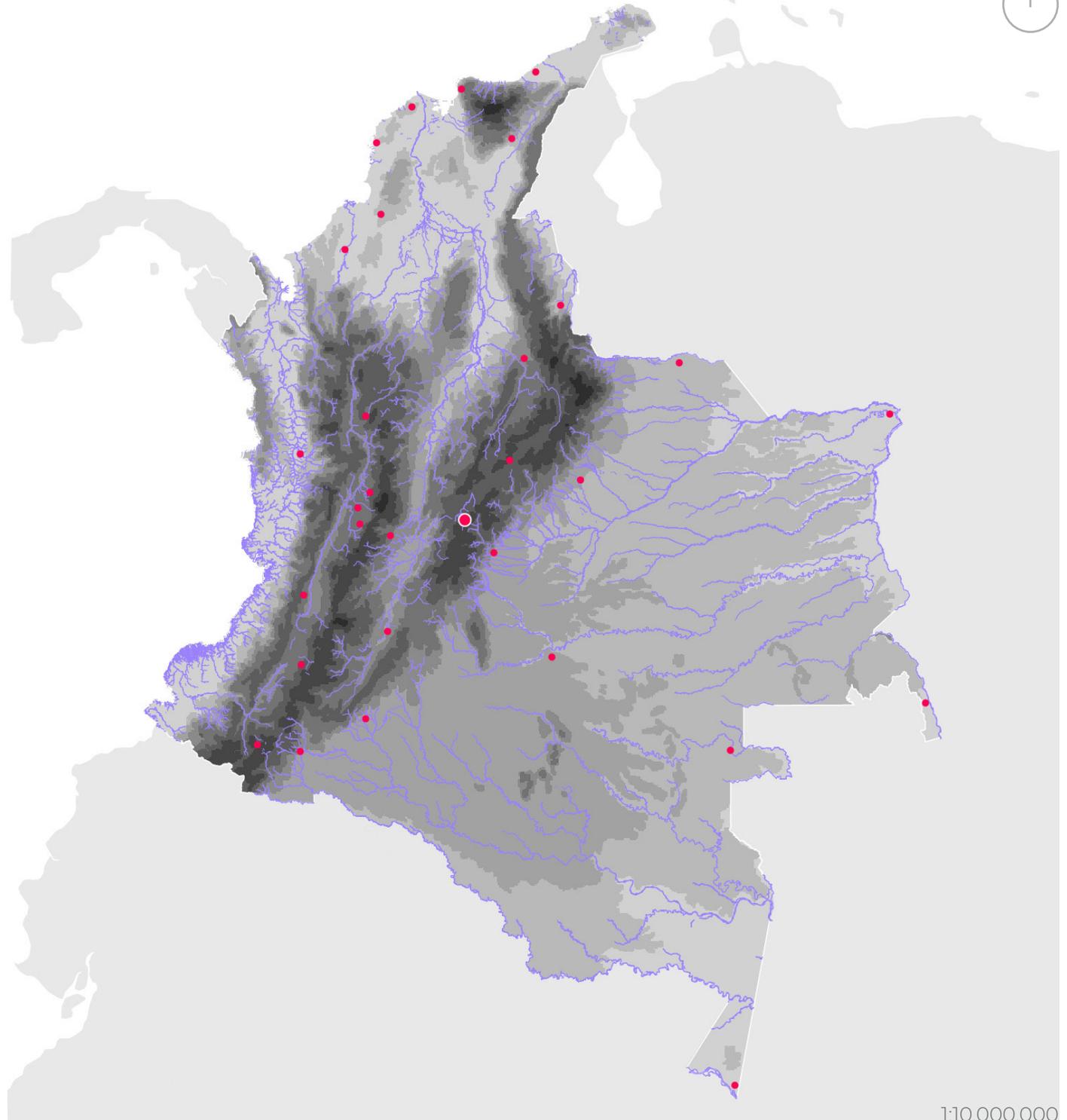
Gabriel García Márquez_ (1982) *La soledad de América Latina*.

COMPLEX GEOGRAPHY

Extreme Biodiversity

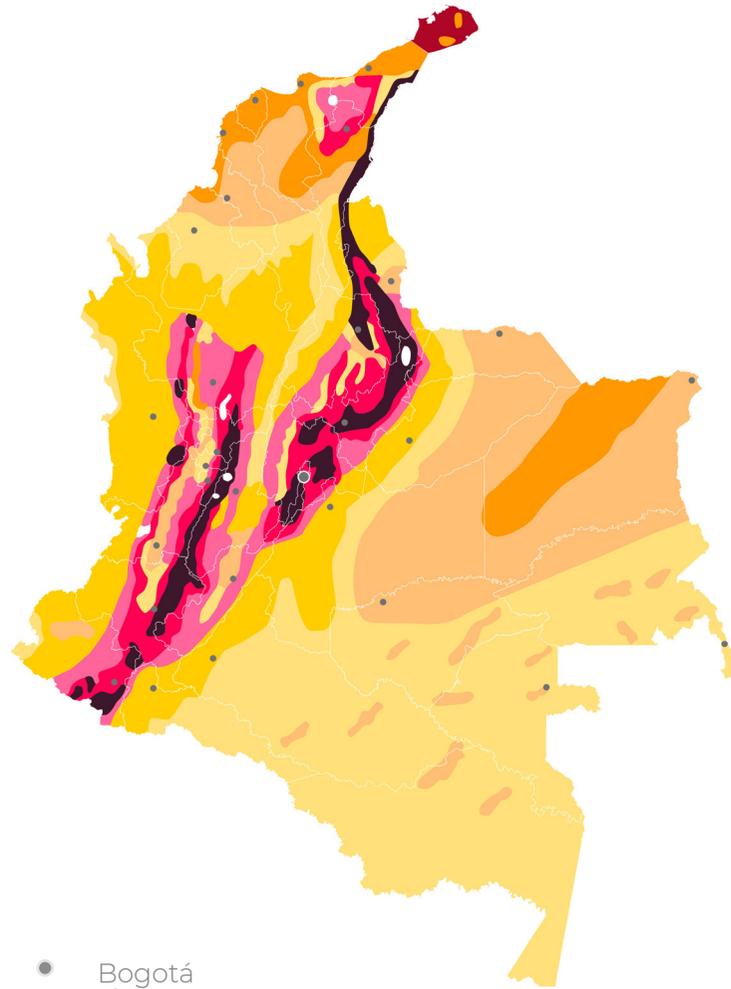


-  Bogotá
-  city
-  River
-  3500 - _____m
-  3000 - 3500m
-  2500 - 3000m
-  2000 - 2500m
-  1500 - 2000m
-  1000 - 1500m
-  500 - 1000m
-  0 - 500m



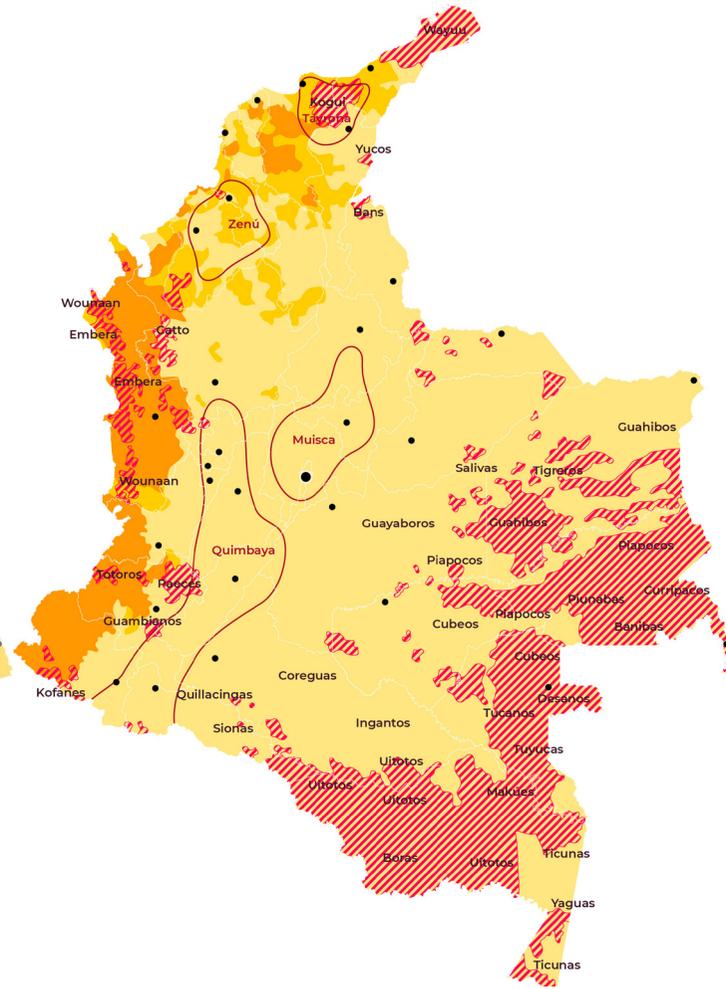
EXTREME DIVERSITY

Biological Diversity



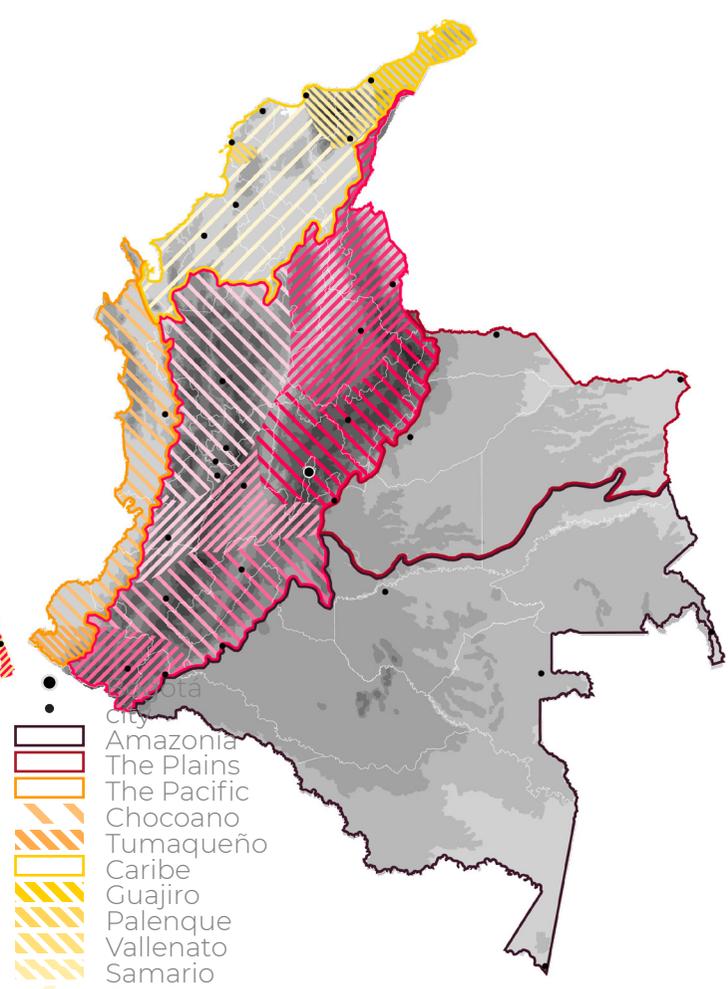
- Bogotá city
- Desert
- Steppe
- Sabana
- Humid Jungle
- Super-Humid Jungle
- Low Mountain Temp-Humid
- Fog Forest / Low Páramo
- High Mountain / Páramo
- Permafrost

Ethnic Diversity



- Bogotá city
- Afro (80% < _)
- Afro (60% - 80%)
- Afro (60%)
- Indigenous reserves
- Extinct Indigenous Groups

Cultural Diversity



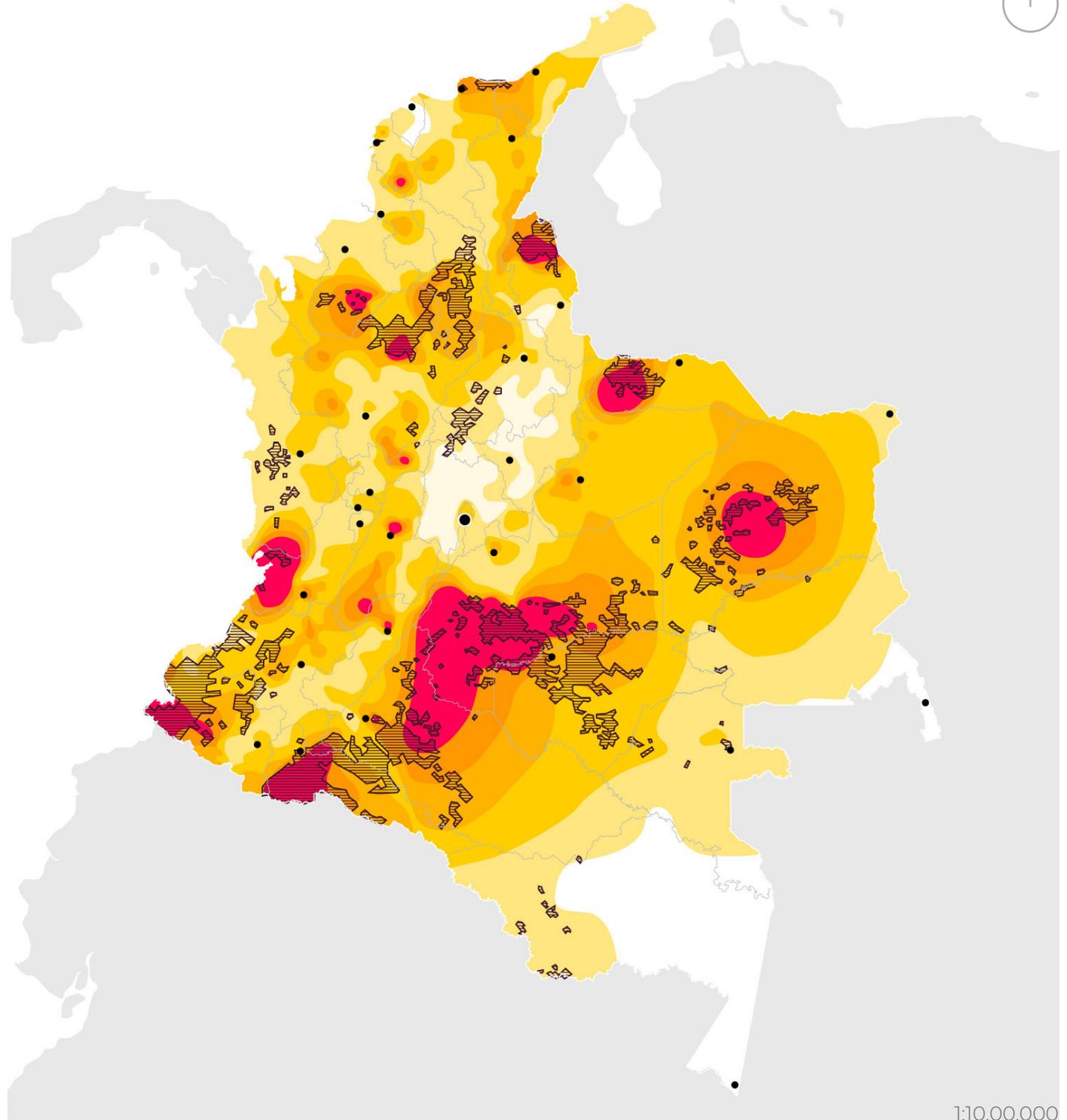
- Bogotá city
- Amazonia
- The Plains
- The Pacific
- Chocoano
- Tumaqueño
- Caribe
- Guajiro
- Palenque
- Vallenato
- Samario
- Costeño
- Los Andes
- Cundiboyacense
- Santandereano
- Paisa
- Tolima
- Valluno
- Huilense
- Caucano
- Nariño

COLOMBIAN CONFLICT

Actors, Areas & Affection



- Bogotá city
- Intensity of the Conflict:
- Very Low
 - Low
 - Medium
 - High
 - "Hot Spots"
 - Coca plantages



COLOMBIAN CONFLICT

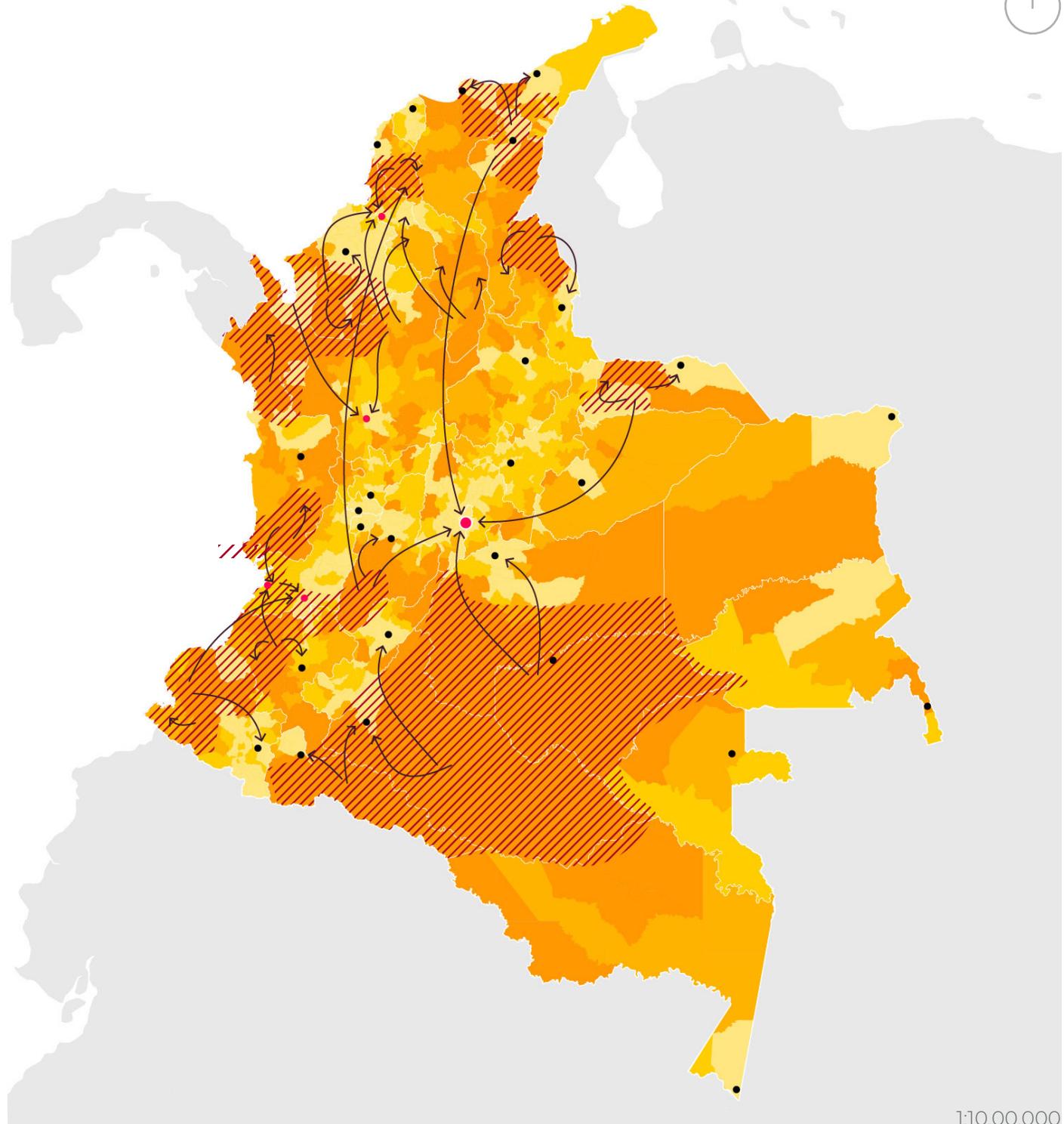
Forced Displacement



- Bogotá
- city (migration end)
- city
- city

Indicator of Displaced Homes:

- 578.5 > -10.15
- 10.15 > -1.9
- 1.9 > -0.3
- 0.3 > 90.7
- /// Migratory sub-regions



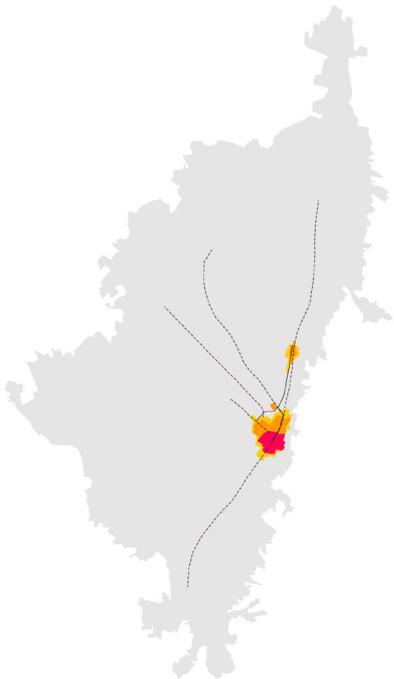
HISTORY

Demographic Growth

Almost a century after the city was founded it had barely grown, showing some signs of expansion to the North.

- _less than 100.000
- _Chapinero.
- _Tram.

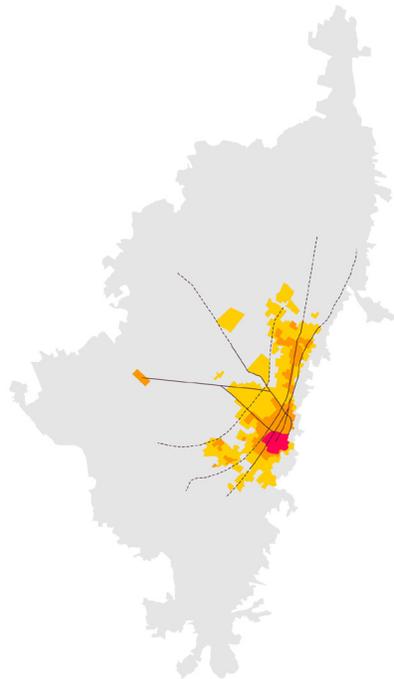
1910_



South neighborhoods were deemed as working class and the high class society moved up north away from the decadent center.

- _Close to 300.000
- _BOGOTAZO 1948

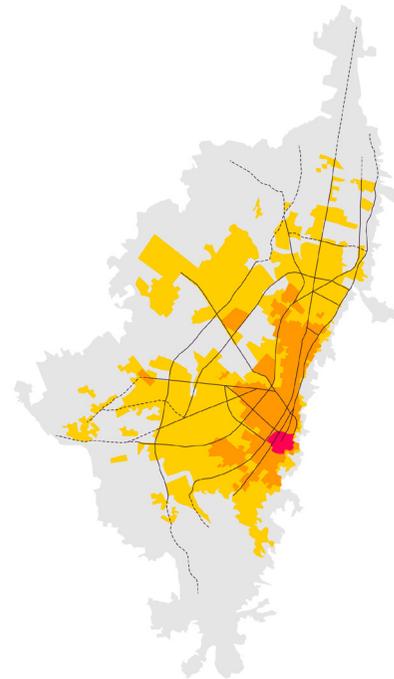
1940_



It had consolidated itself as the safe city in Colombia

- _ 3.500.000
- _Airport el Dorado + AV. 26

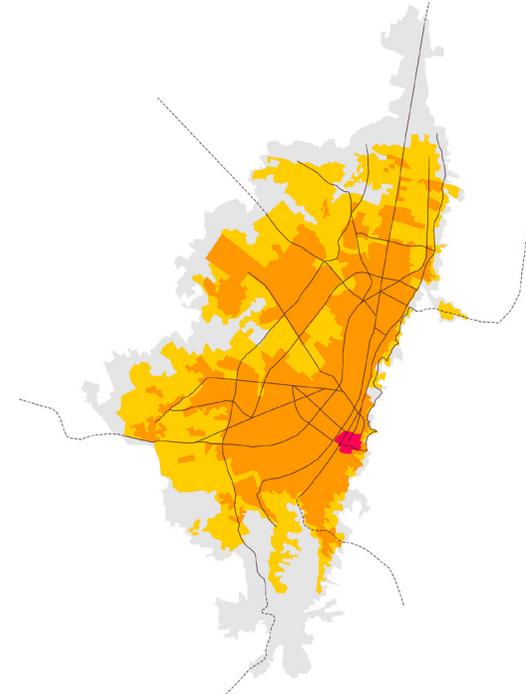
1970_



It had consolidated itself as the safe city in Colombia

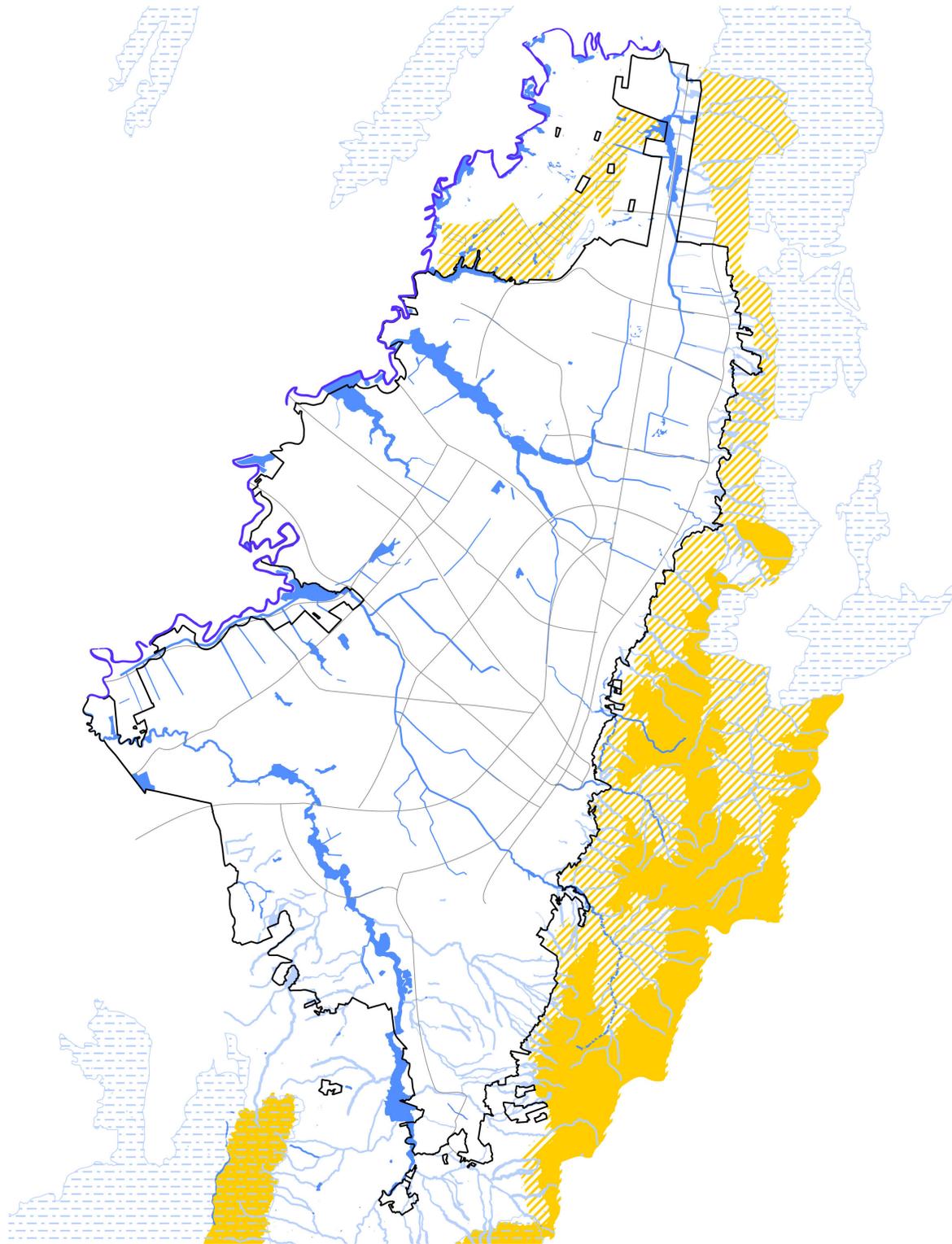
- _ 10.000.000
- _5 exits
- _No proper massive public transport

2000_



CUENCA MAYOR

Ecological Neglect



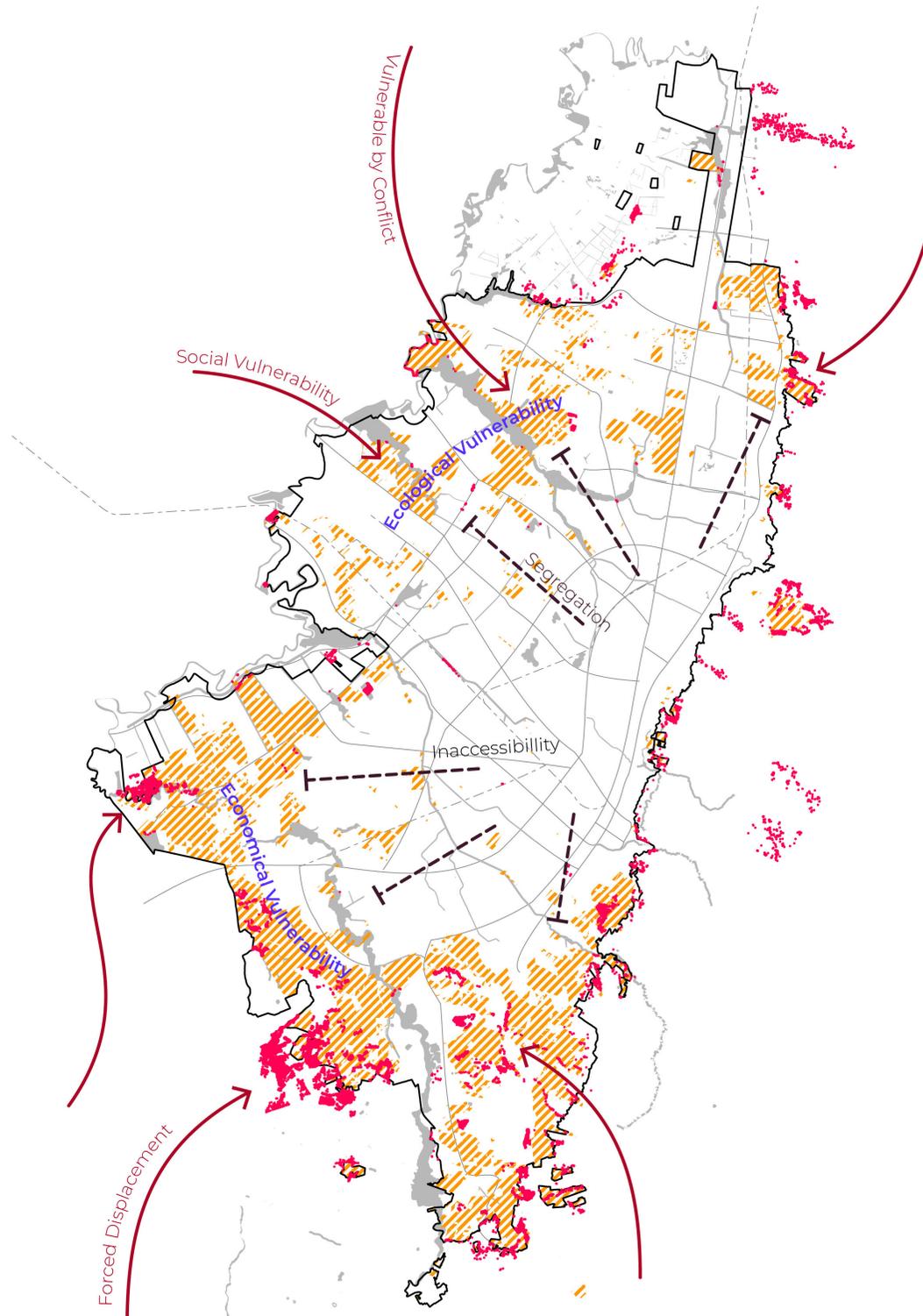
-  Main Ecological Structure
-  Páramo
-  "Cuenca alta"
-  Water
-  Water
-  Main Infrastr.
-  Urban Limit

ARRIVAL CITY

Urban Dichotomy

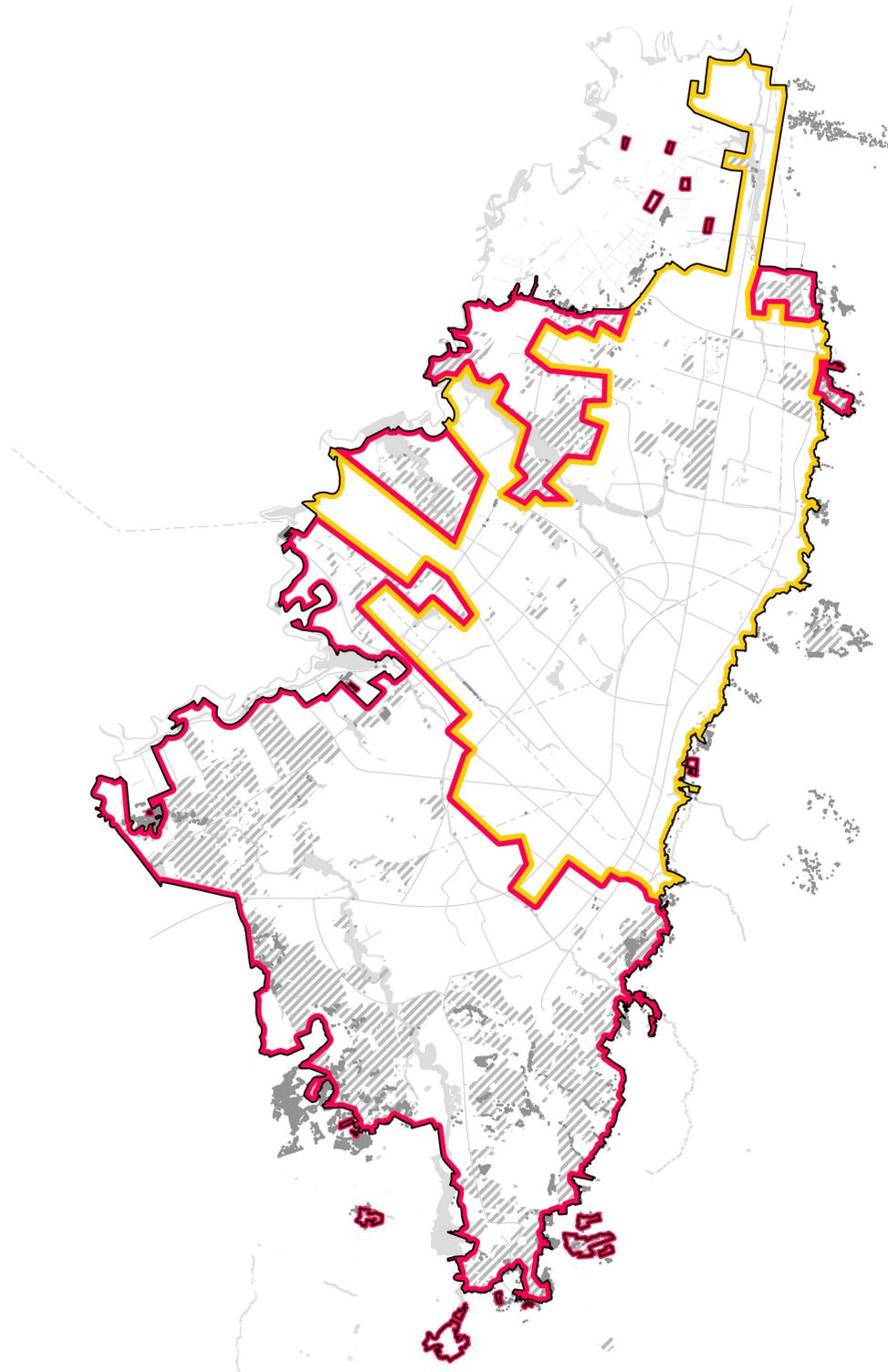


- Illegal Settlements
- Formalized Neighbourhoods
- Railway
- Main Infrastr.
- Urban Limit
- Water



URBAN TYPOLOGIES

Urban Dichotomy



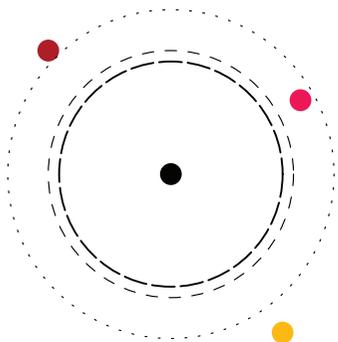
- Informal City
- Formal City
- Railway
- Main Infrastr.
- Urban Limit
- Water

HOW CAN
A SOCIO-
ECOLOGICAL
APPROACH
FOR THE
PLANNING
OF BOGOTÁ
INTEGRATE
BOTH THE
NECESSITIES
OF THE SOCIAL
FABRIC AND
THE NATURAL
ENVIRONMENT
TO COME UP
WITH A MORE
COHESIVE
LANDSCAPE?

THEORETICAL FRAMEWORK

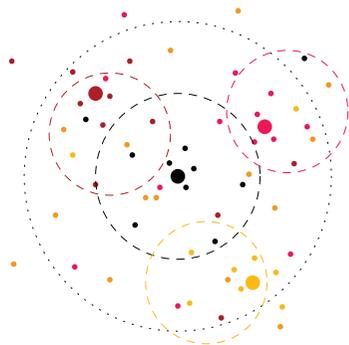
Key Vocabulary

MAIN THEORIES & CONCEPTS *Design for the Pluriverse_Arturo Escobar*



ONE world WORLD

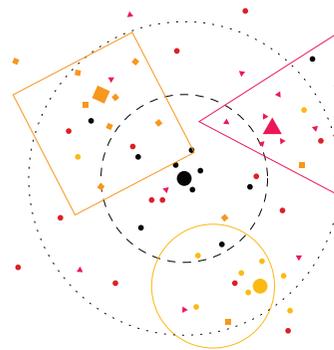
Modernity
Colonialism
Western notions of Development and Progress
The absorption of alternative life projects and cosmovisions



THE PLURIVERSE

Multiplicity of realities
Embracing the vast diversity of social narratives and life projects.
El Buen Vivir ("well-living") allowing more communities to develop freely and express in the world.

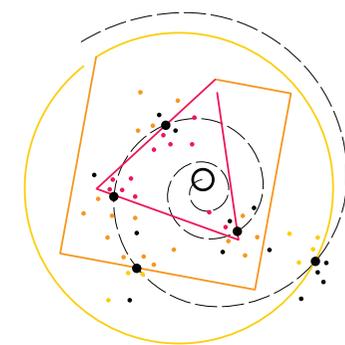
OWN IDEAS



POLYMORPHISM

Elements of a same category express different characteristics, generation a distinctive quality of space.
This gets by choosing a set of inputs in which there is an intrinsic diversity.

KEY ELEMENTS



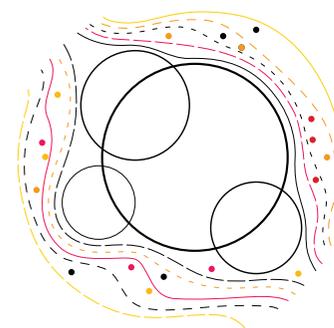
IDENTITY

Urban Identity
Social Identity
Cultural diversity and the different implications and spatial relations that the identities generate in space.
How to include communities that have lost connection to their original places to revalue their identity.



TRANSITION DESIGN

Alternatives of design models
Narratives for the post-growth era
Degrowth
Post-Development
How to include more of a socio-ecological approach to the planning of cities



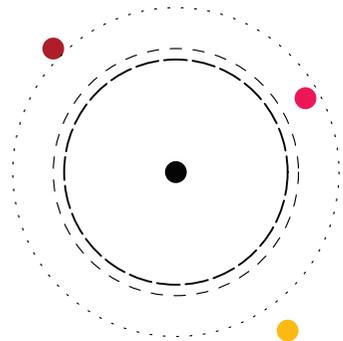
URBAN COHESION

Thata quality of space opposite to fragmentation.
Urban fabric is easy to navigate due to a certain naturality embeded in teh public space, that makes it feel all part of a whole.

THEORETICAL FRAMEWORK

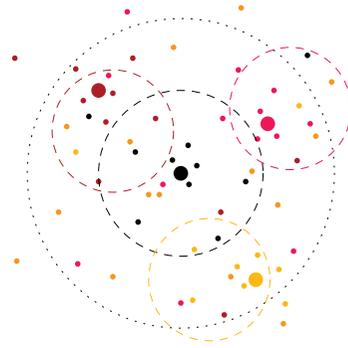
Key Vocabulary

MAIN THEORIES & CONCEPTS *Design for the Pluriverse_Arturo Escobar*



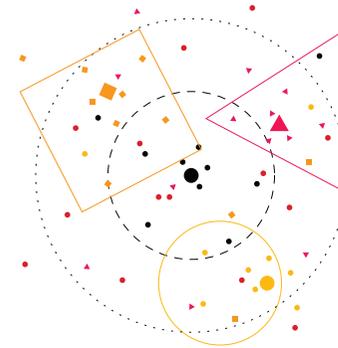
ONE world WORLD

Modernity
Colonialism
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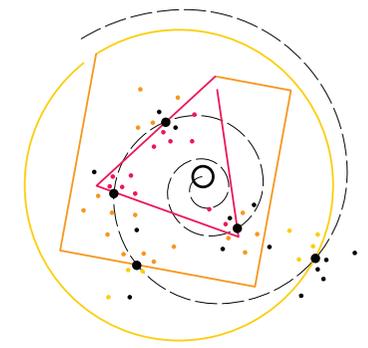
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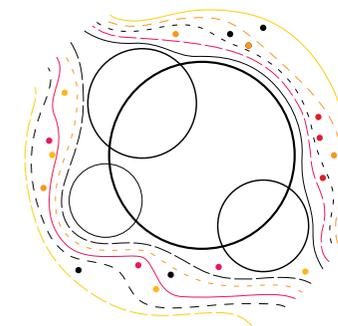
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TRANSITION DESIGN

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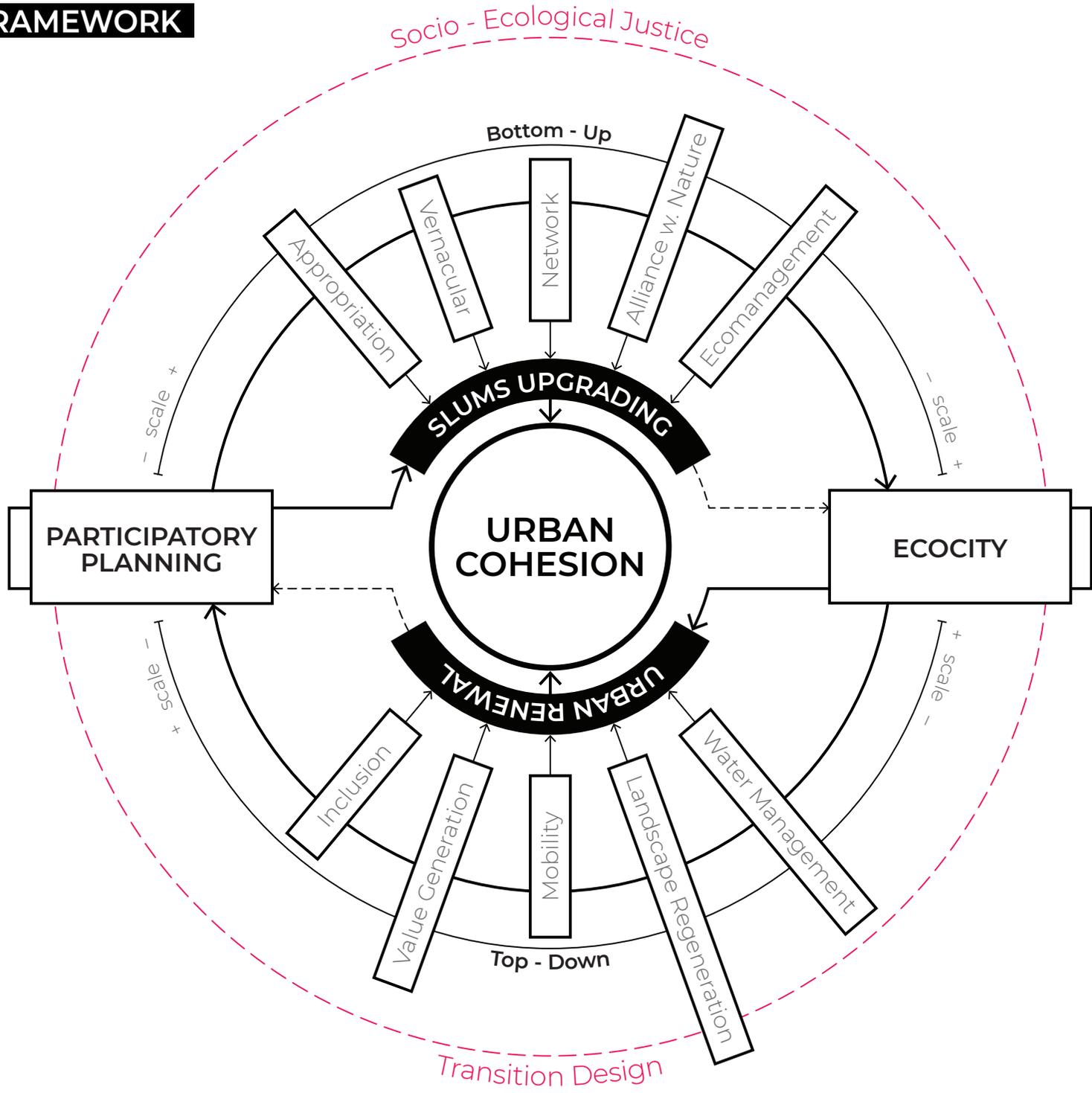


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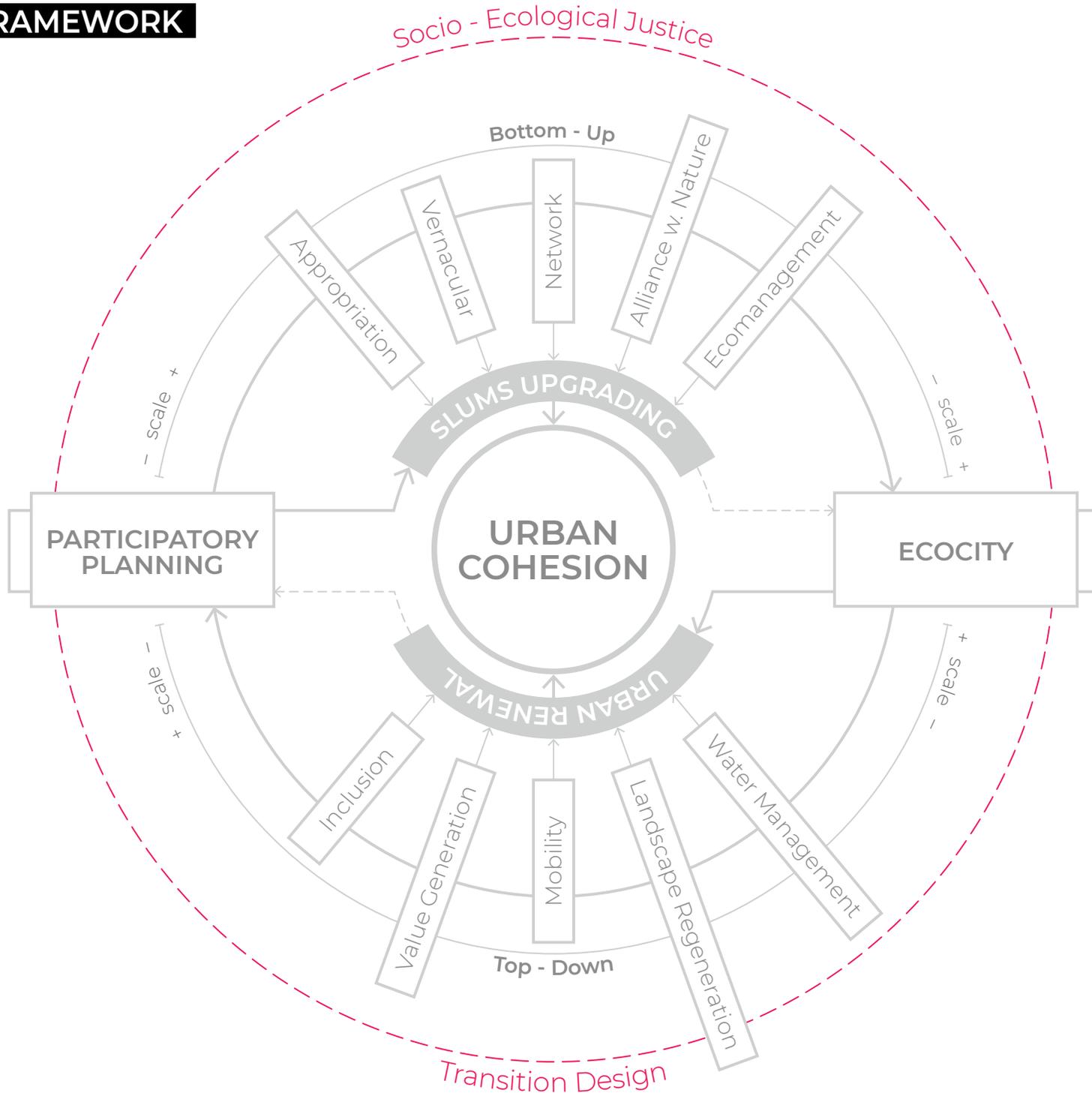
CONCEPTUAL FRAMEWORK

Framework



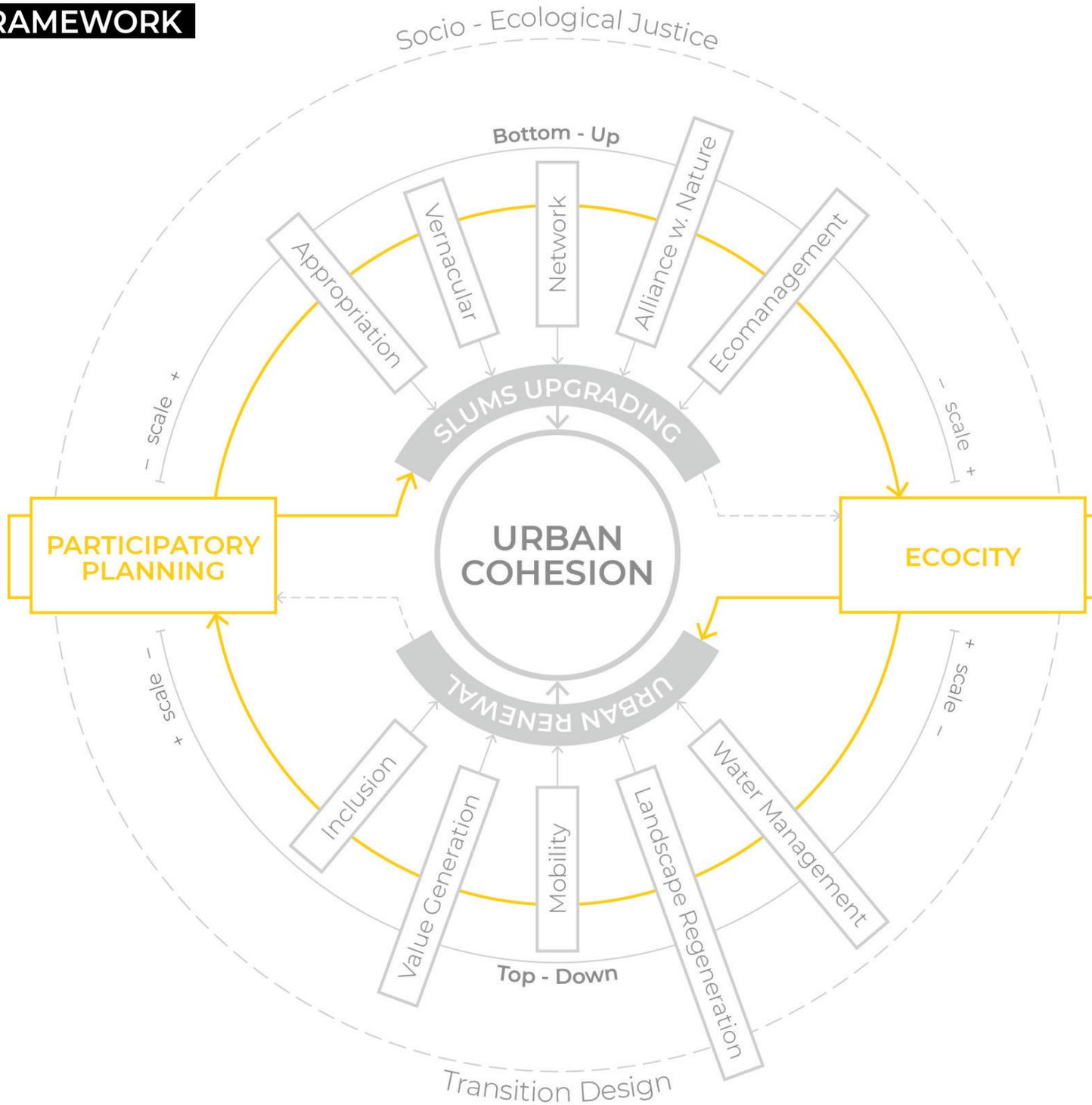
CONCEPTUAL FRAMEWORK

Lense



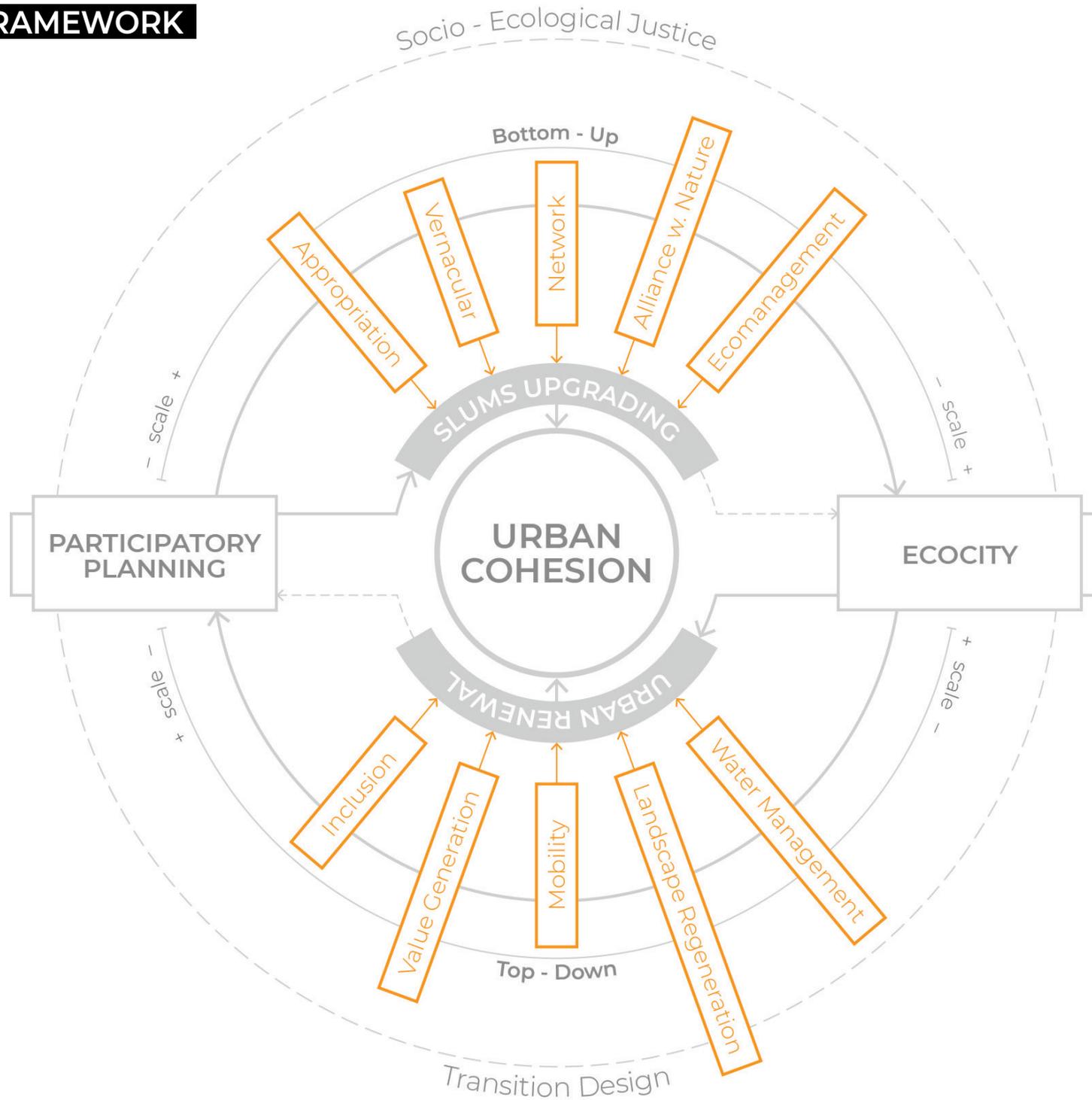
CONCEPTUAL FRAMEWORK

Principles



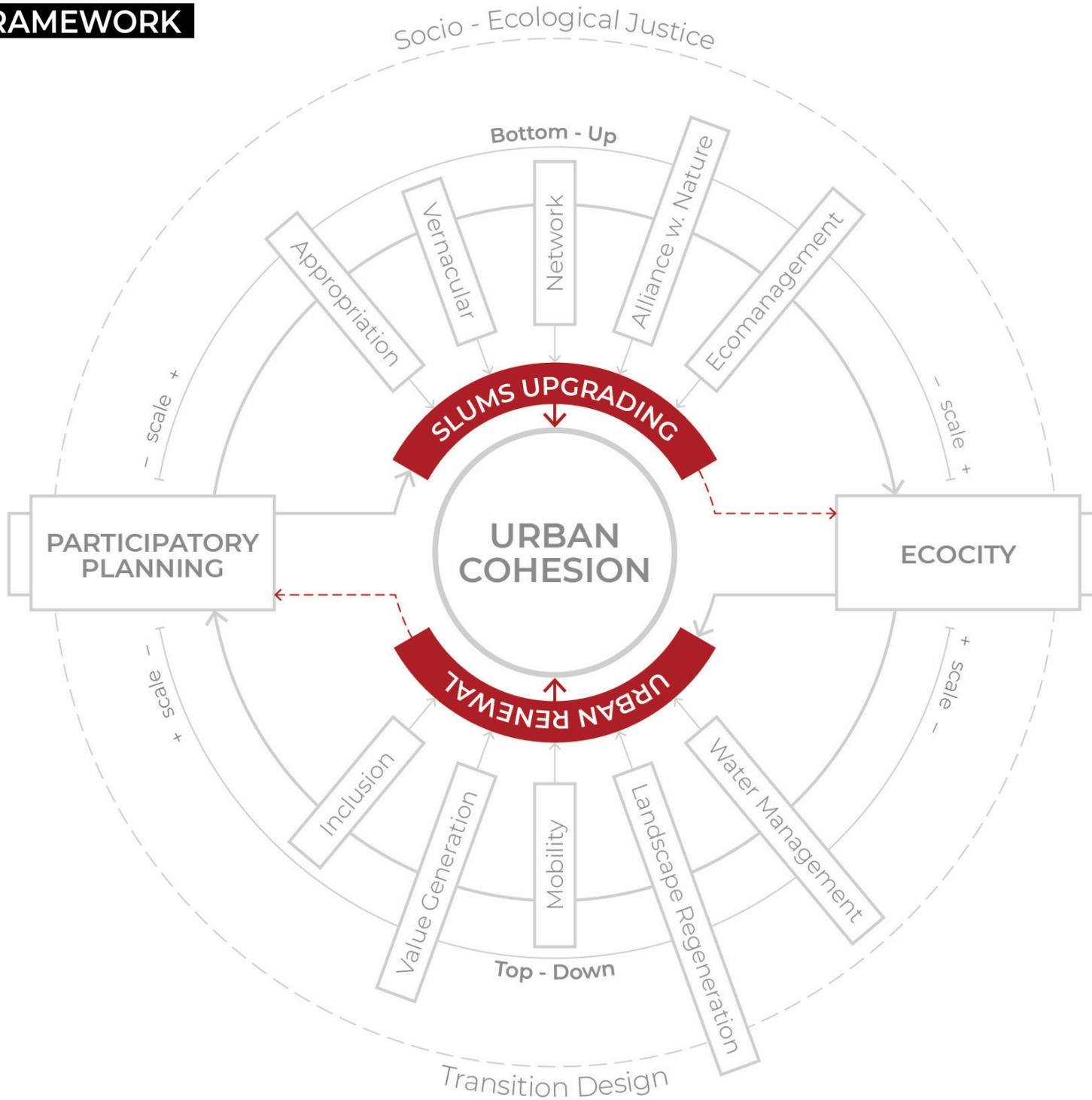
CONCEPTUAL FRAMEWORK

Strategies



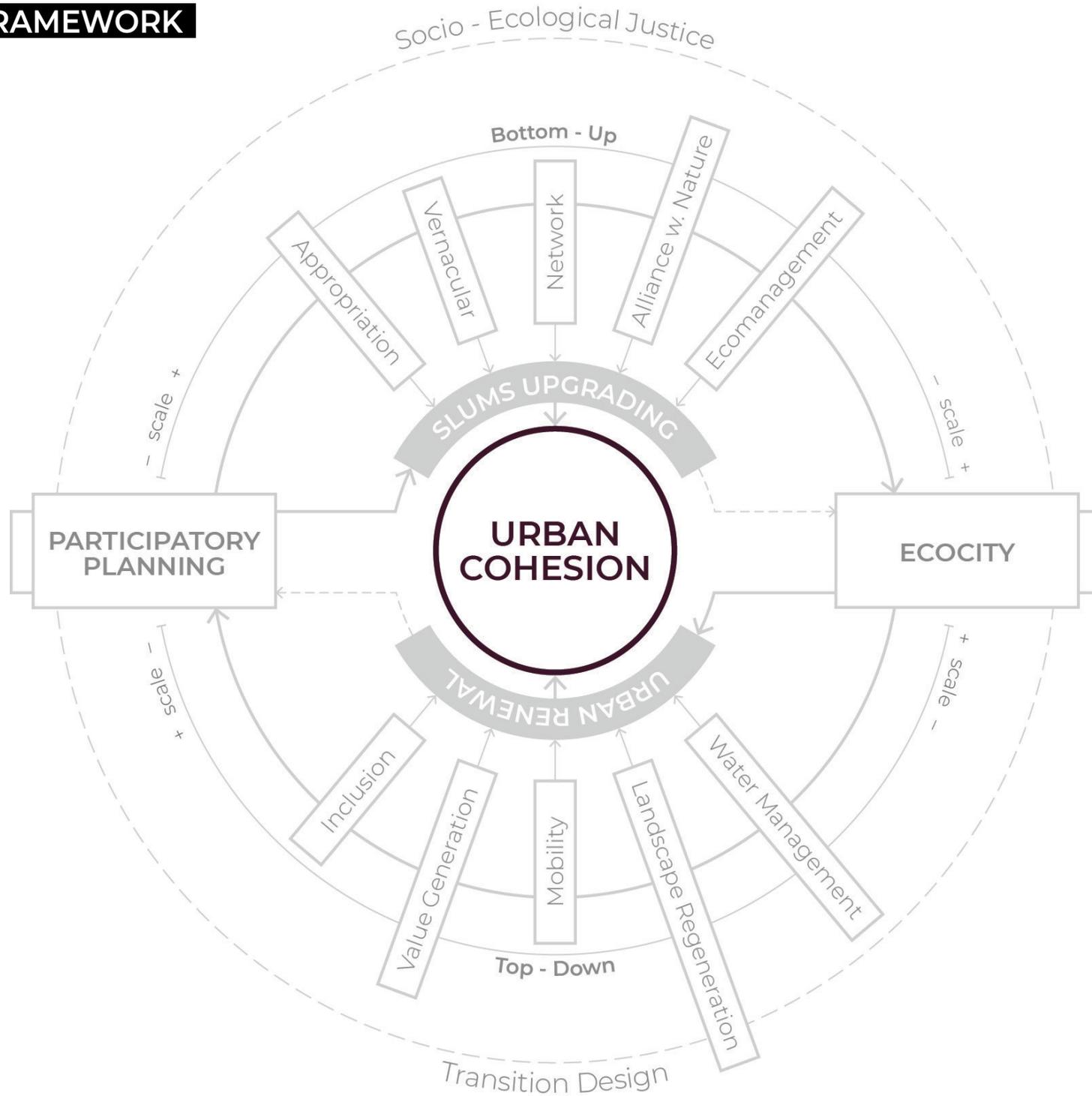
CONCEPTUAL FRAMEWORK

Objectives



CONCEPTUAL FRAMEWORK

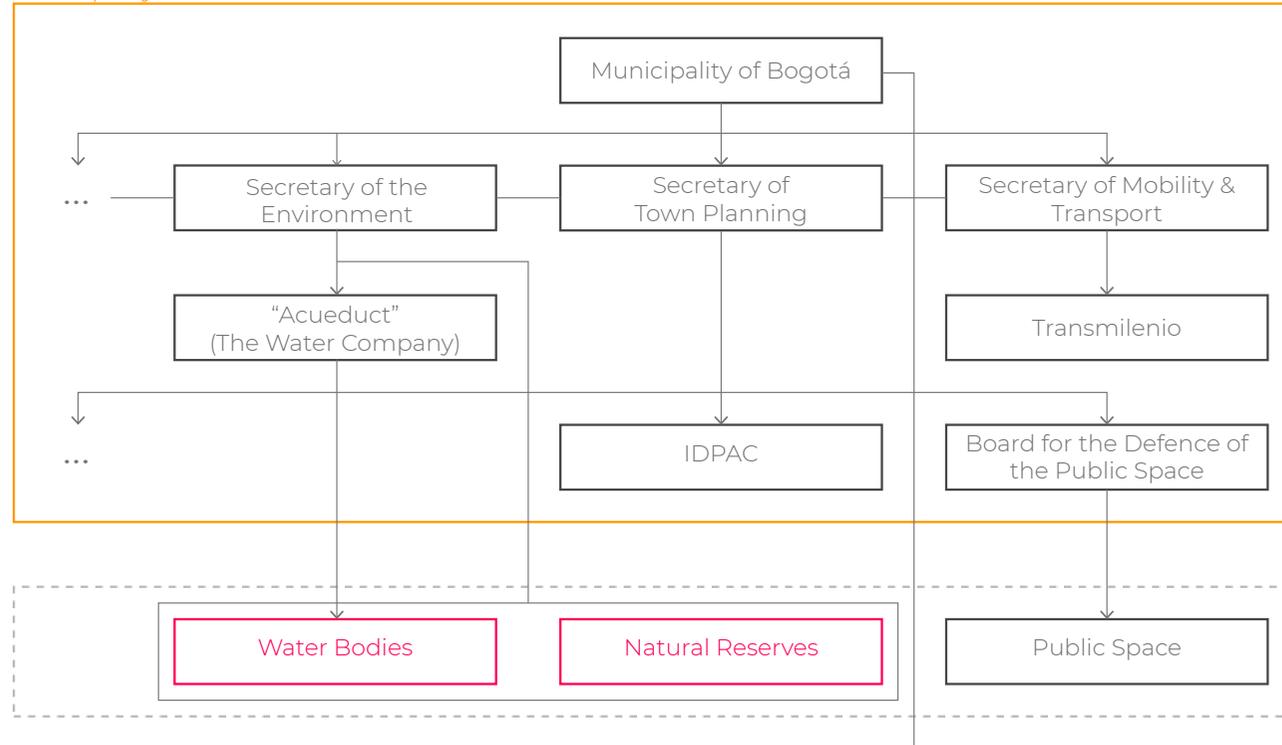
Outcomes



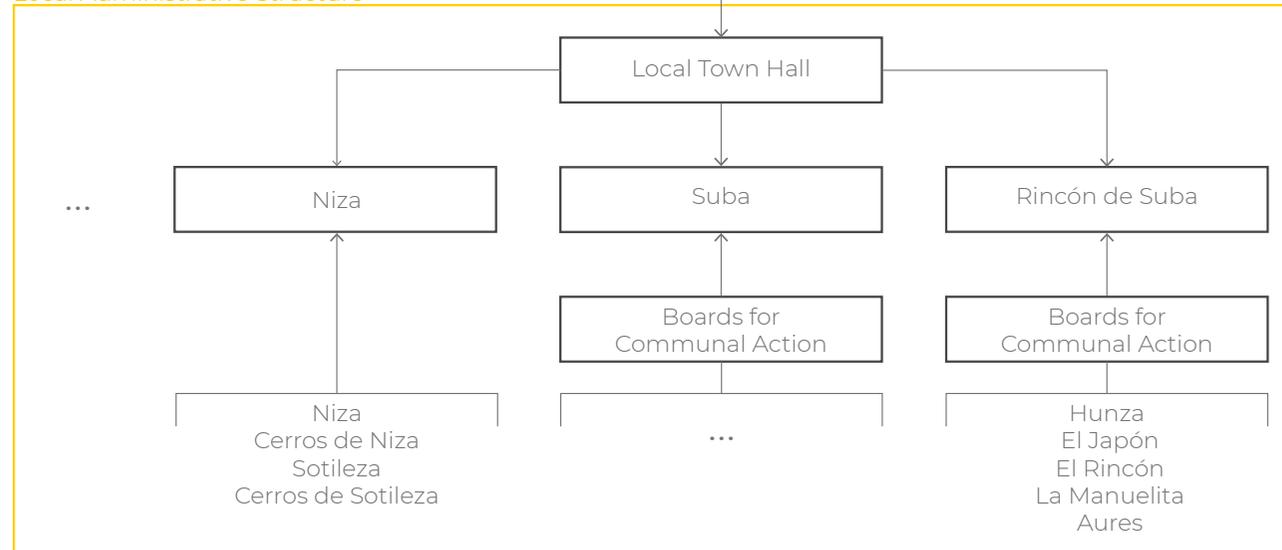
ADMINISTRATIVE STRUCTURE

Hierarchy

Municipality Administrative Structure



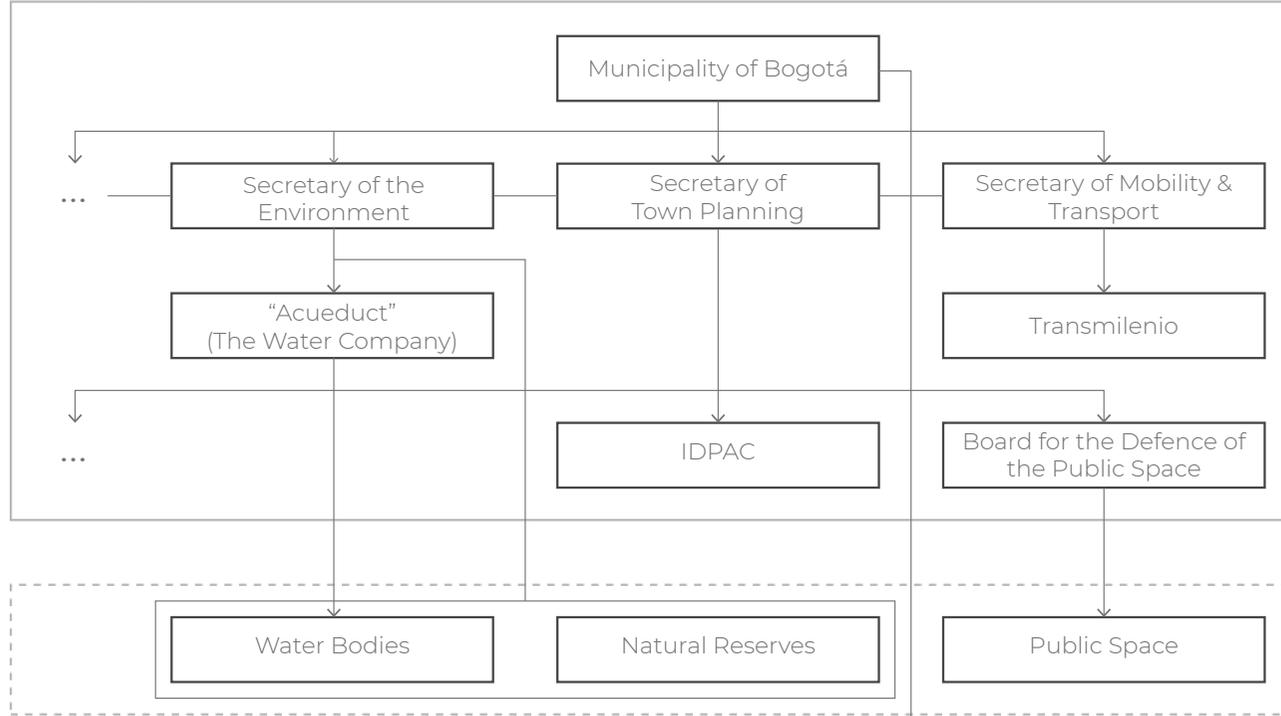
Local Administrative Structure



ADMINISTRATIVE STRUCTURE

Dimensions for Action

Municipality Administrative Structure



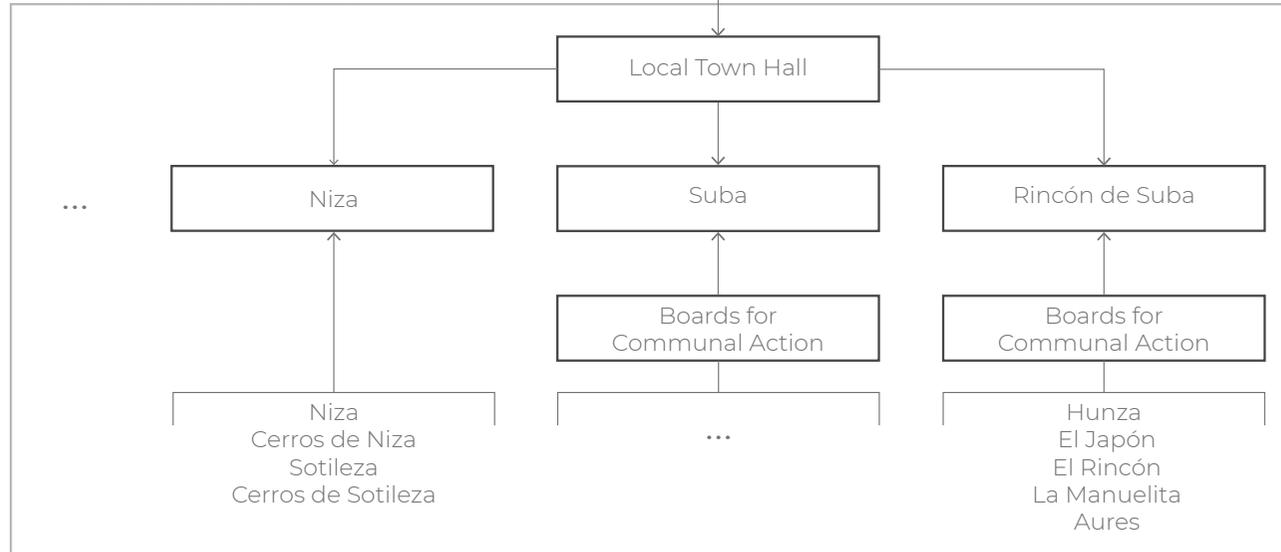
P.O.T.

Structural Plans
Partial Plans

Implementation

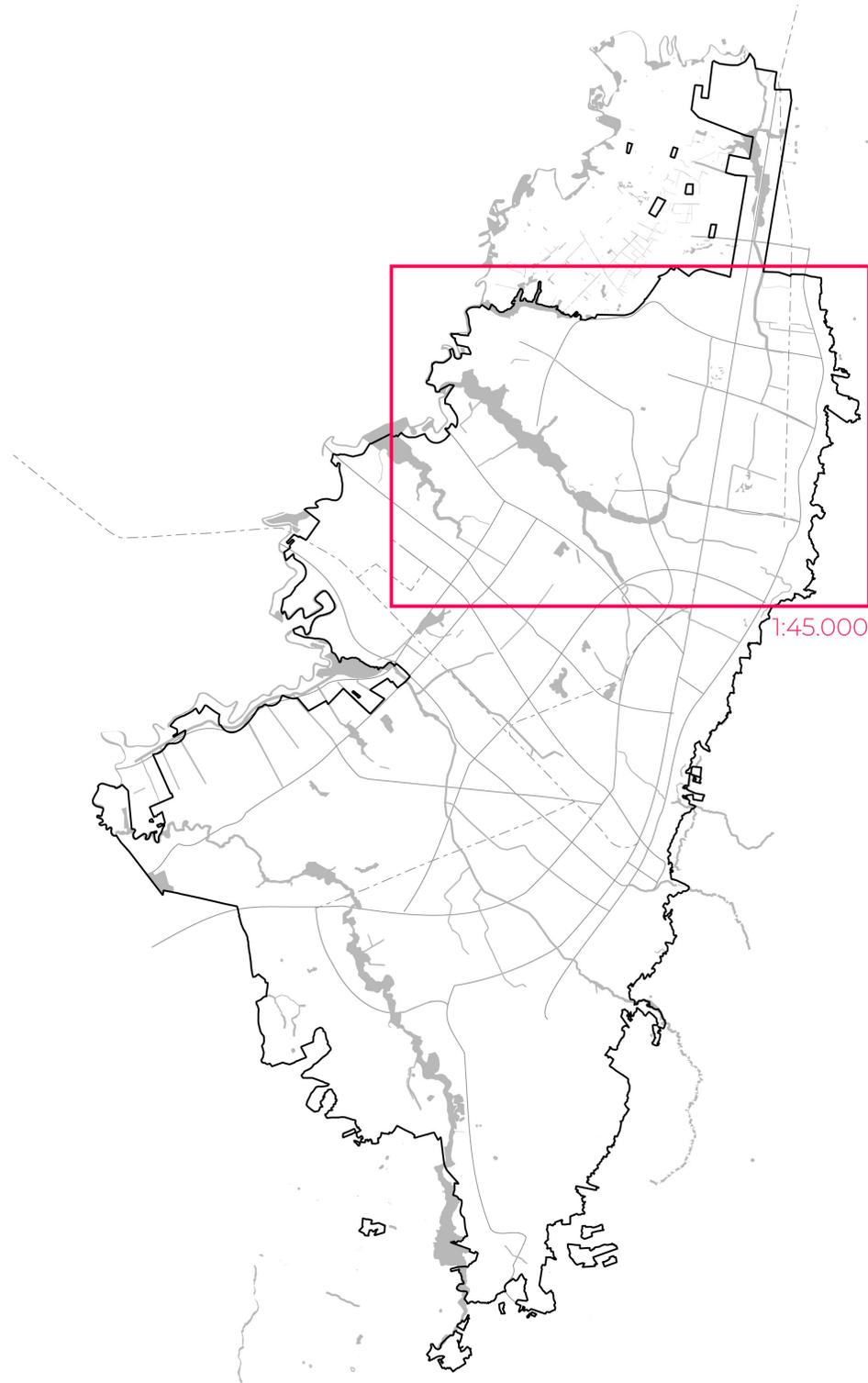
Assessment
Protection

Local Administrative Structure



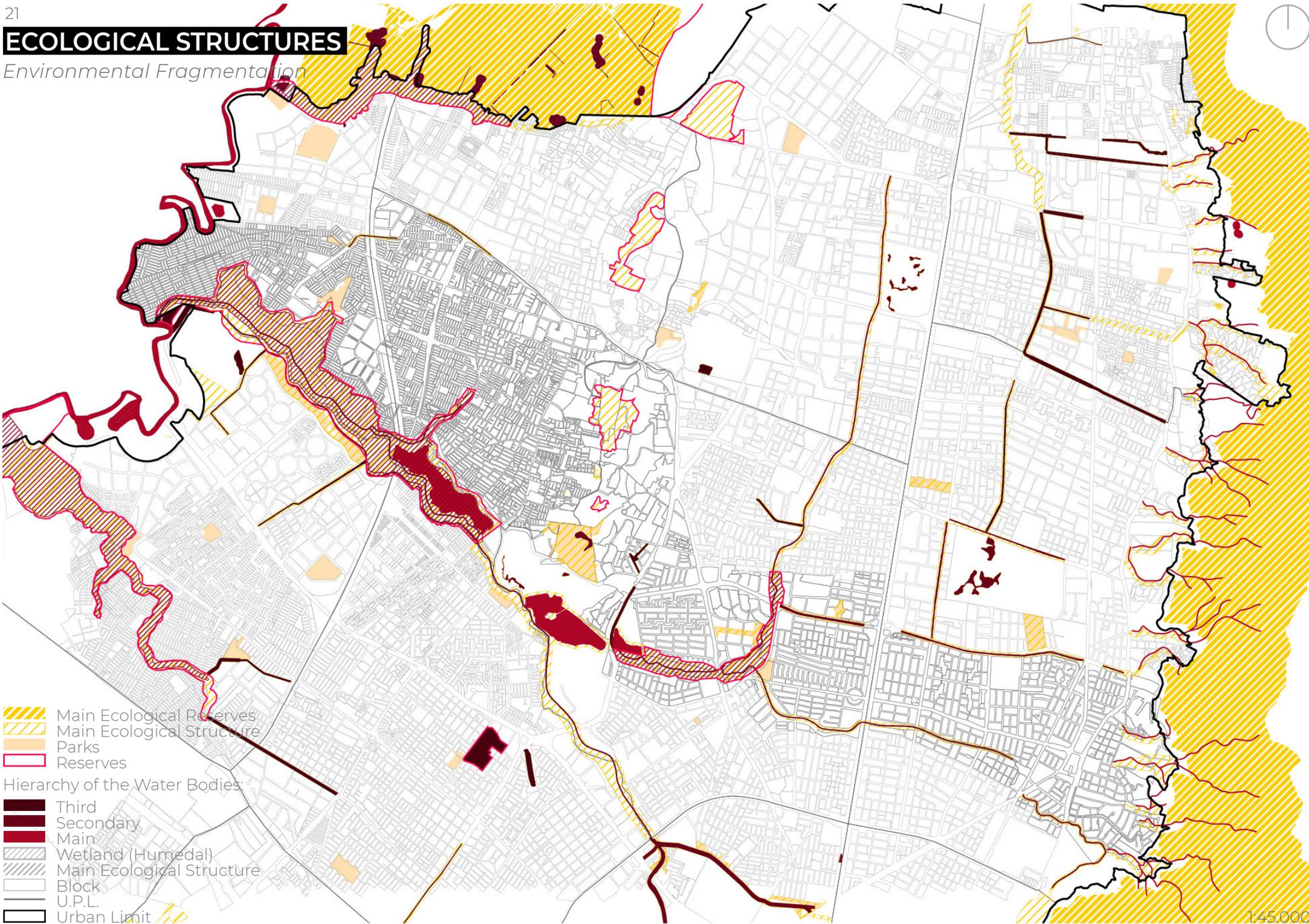
Communal Budgets

Participation, Proposal
& Communal Action



ECOLOGICAL STRUCTURES

Environmental Fragmentation

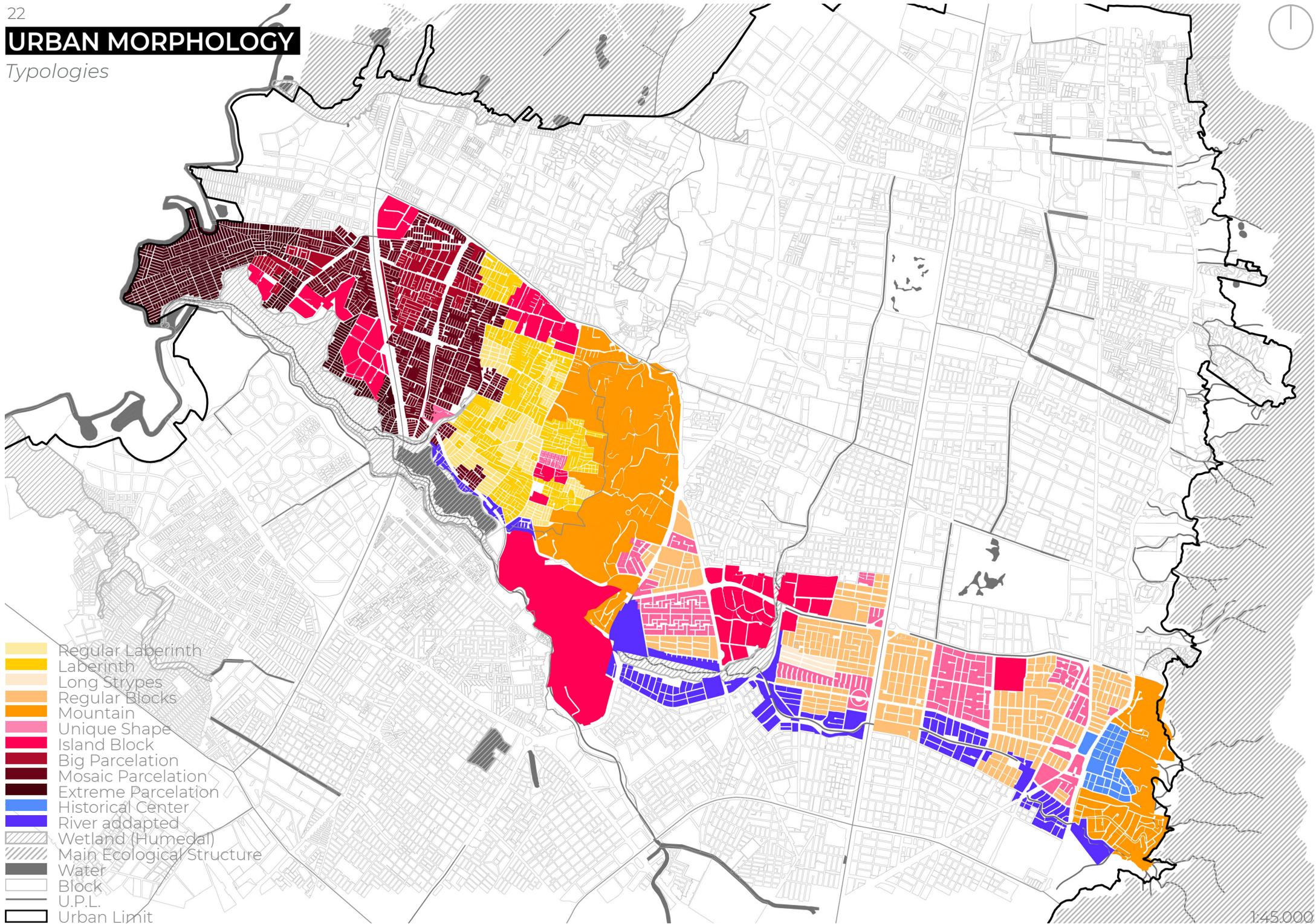


- Main Ecological Reserves
- Main Ecological Structure
- Parks
- Reserves

- Hierarchy of the Water Bodies:
- Third
 - Secondary
 - Main
 - Wetland (Humedal)
 - Main Ecological Structure
 - Block
 - U.P.L.
 - Urban Limit

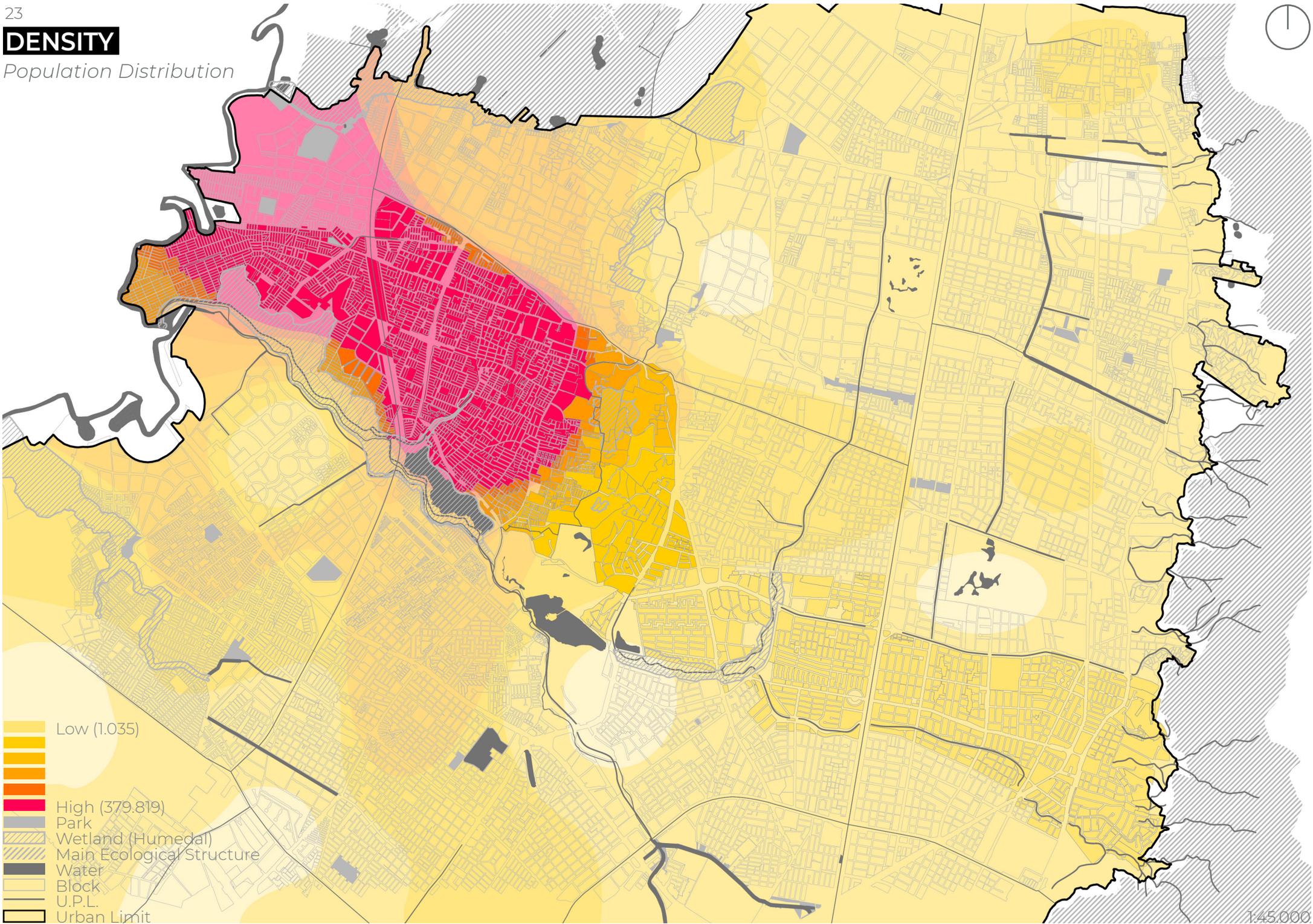
URBAN MORPHOLOGY

Typologies



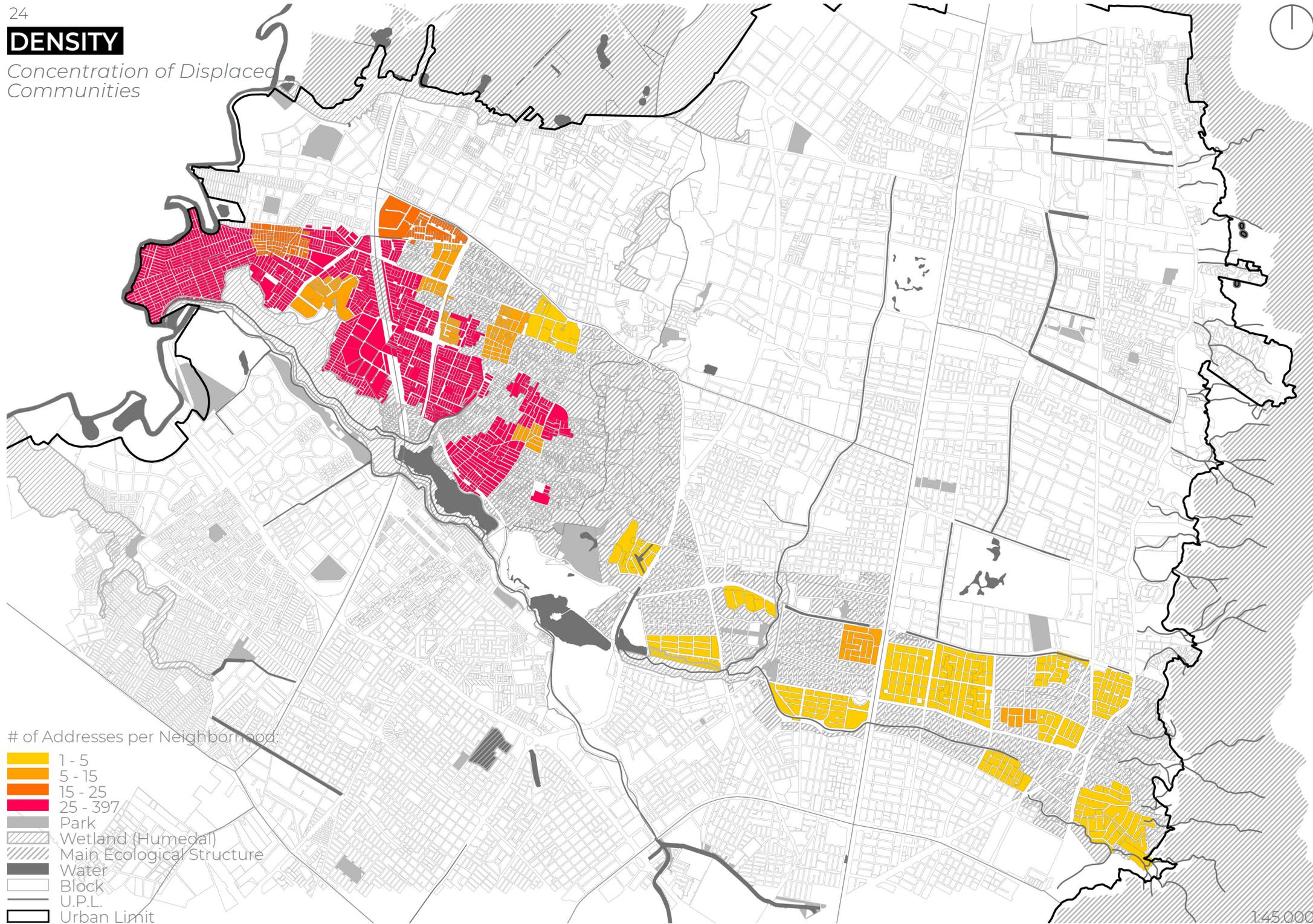
DENSITY

Population Distribution



DENSITY

Concentration of Displaced Communities



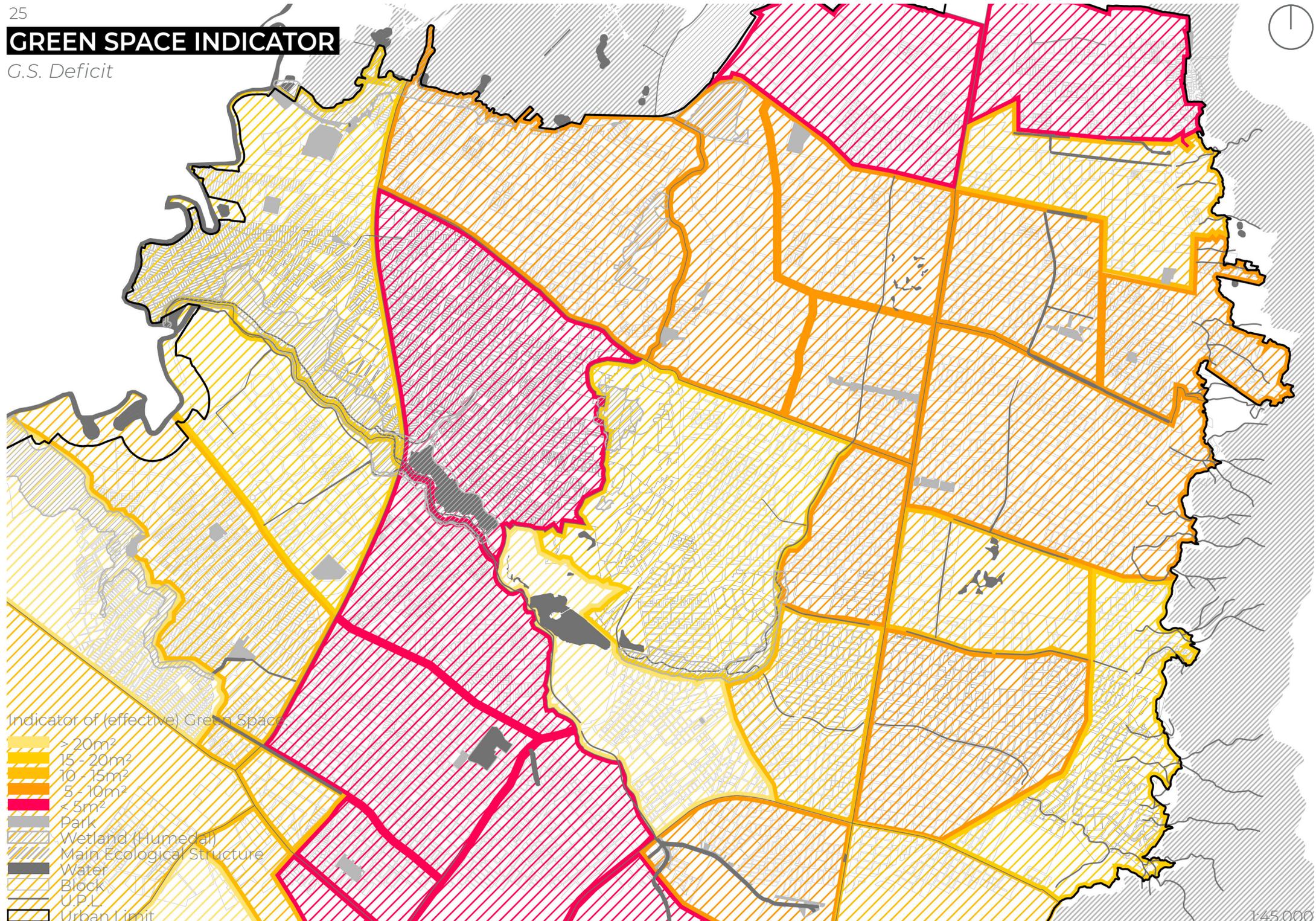
of Addresses per Neighborhood:

- 1 - 5
- 5 - 15
- 15 - 25
- 25 - 397

- Park
- Wetland (Humedal)
- Main Ecological Structure
- Water
- Block
- U.P.L.
- Urban Limit

GREEN SPACE INDICATOR

G.S. Deficit

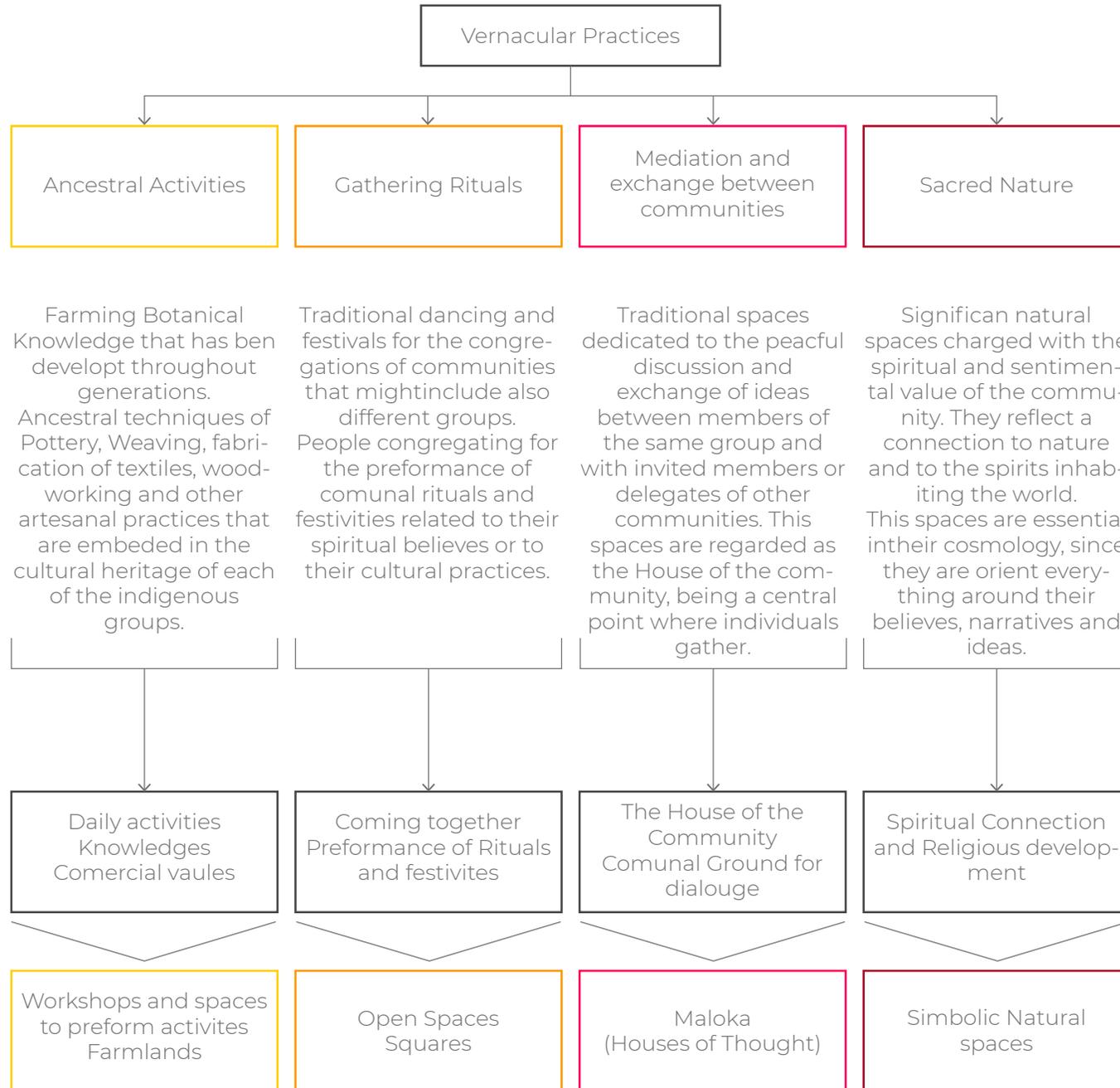


Indicator of (effective) Green Space

- > 20m²
- 15 - 20m²
- 10 - 15m²
- 5 - 10m²
- < 5m²
- Park
- Wetland (Humedal)
- Main Ecological Structure
- Water
- Block
- U.P.L.
- Urban Limit

TRADITIONAL PRACTICES

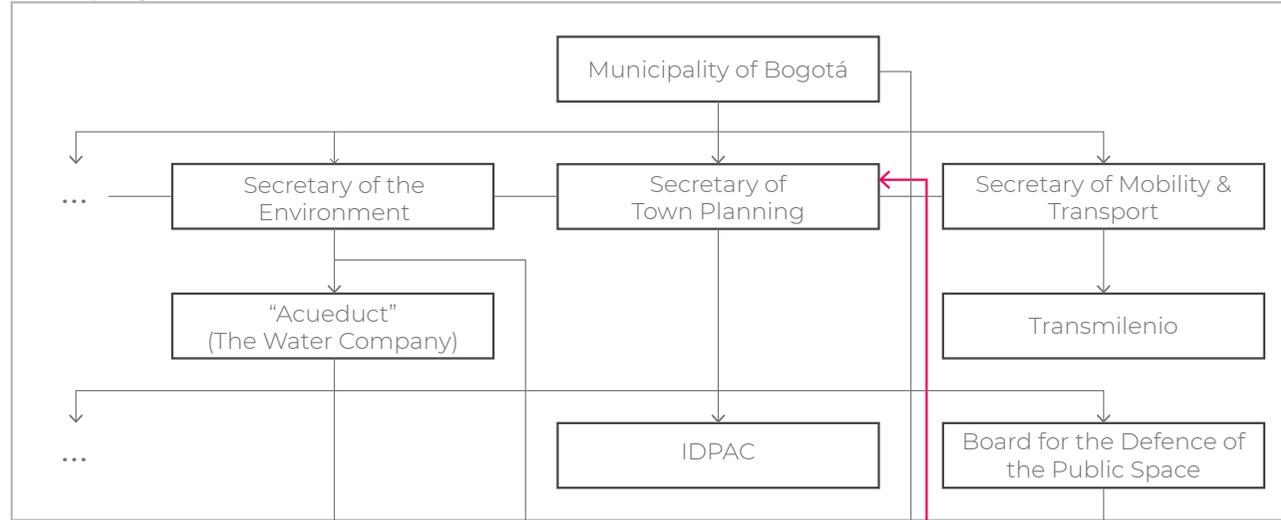
Cultural Diversity Input



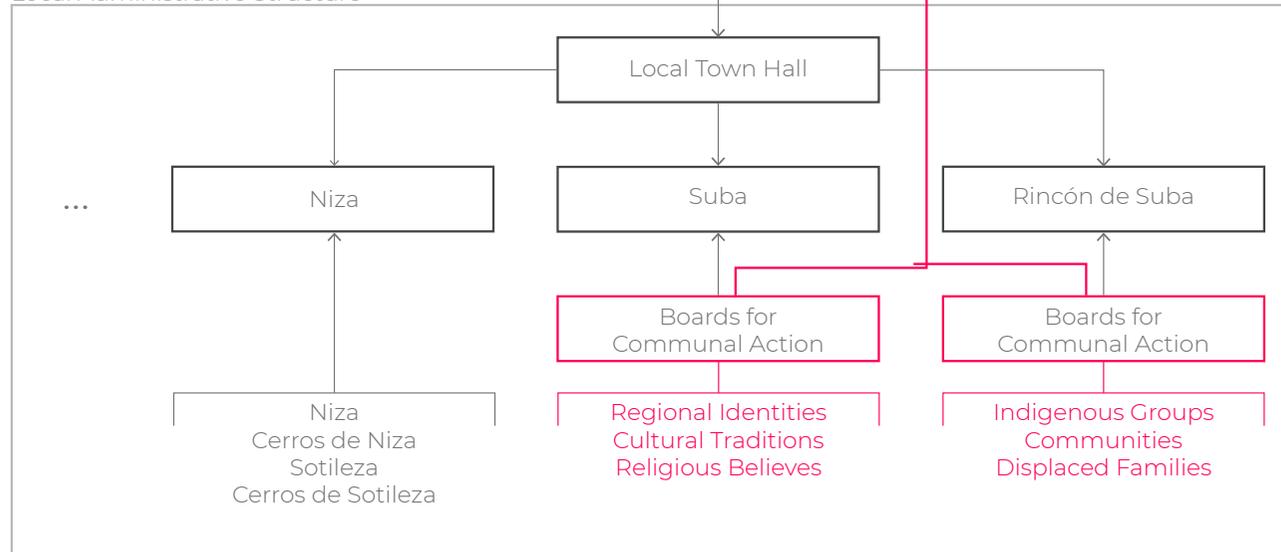
DOUBLE-END APPROACH

New Administrative Structure

Municipality Administrative Structure



Local Administrative Structure



P.O.T.

Structural Plans
Partial Plans

Implementation

Assessment
Protection

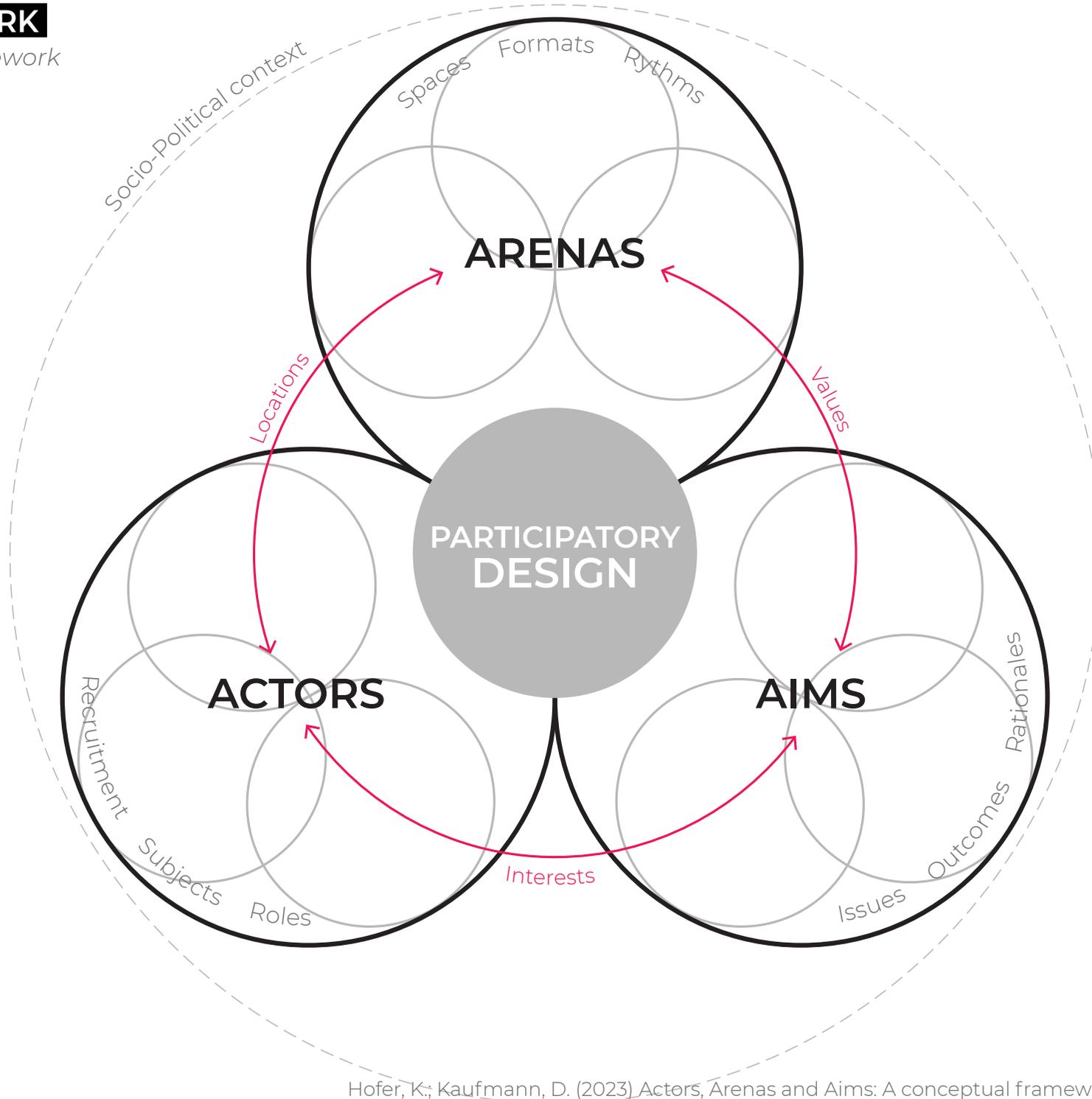
P.P. Budgets

Communal Budgets

Participation, Proposal
& Communal Action

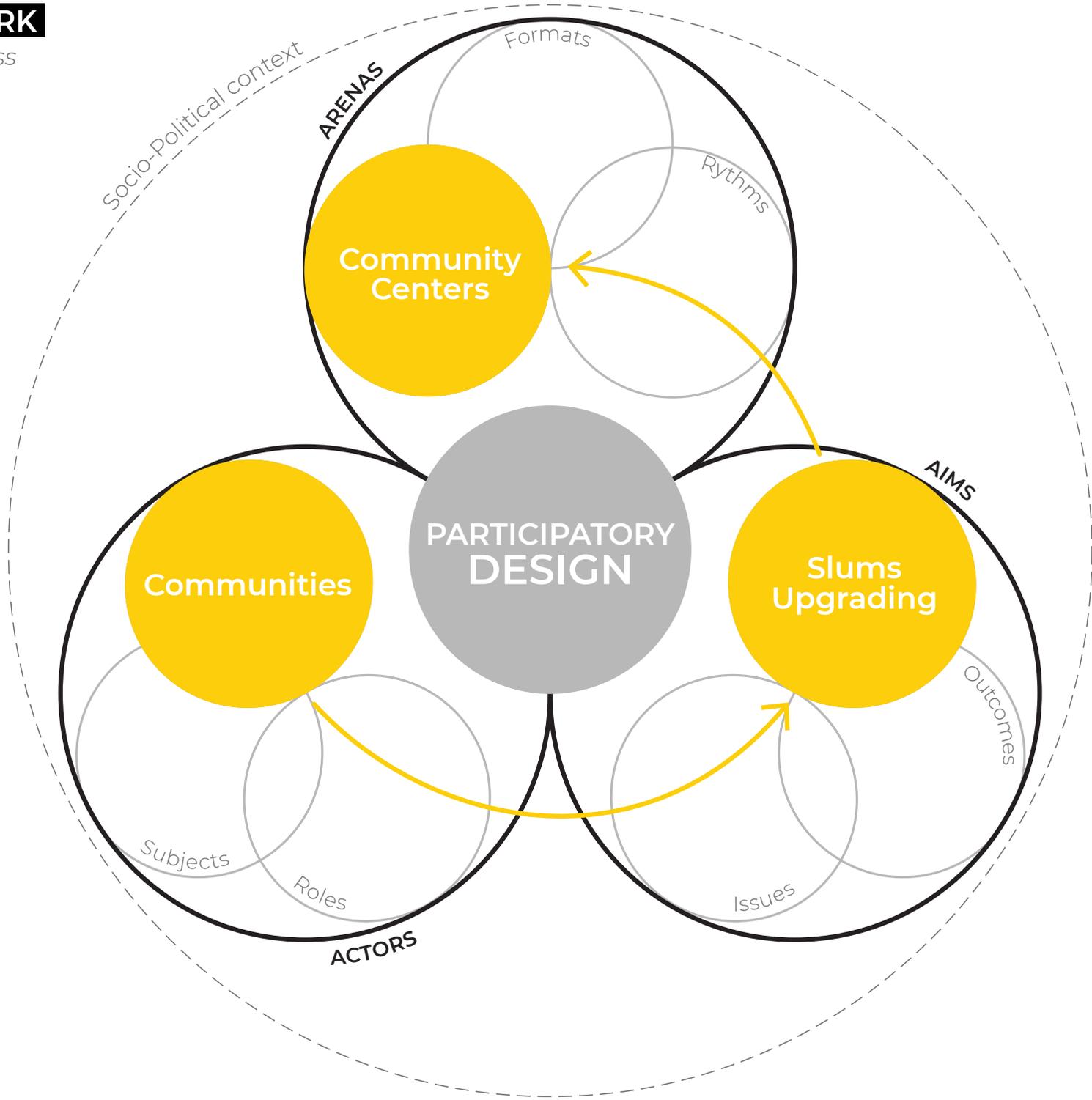
3A's FRAMEWORK

Participatory Framework



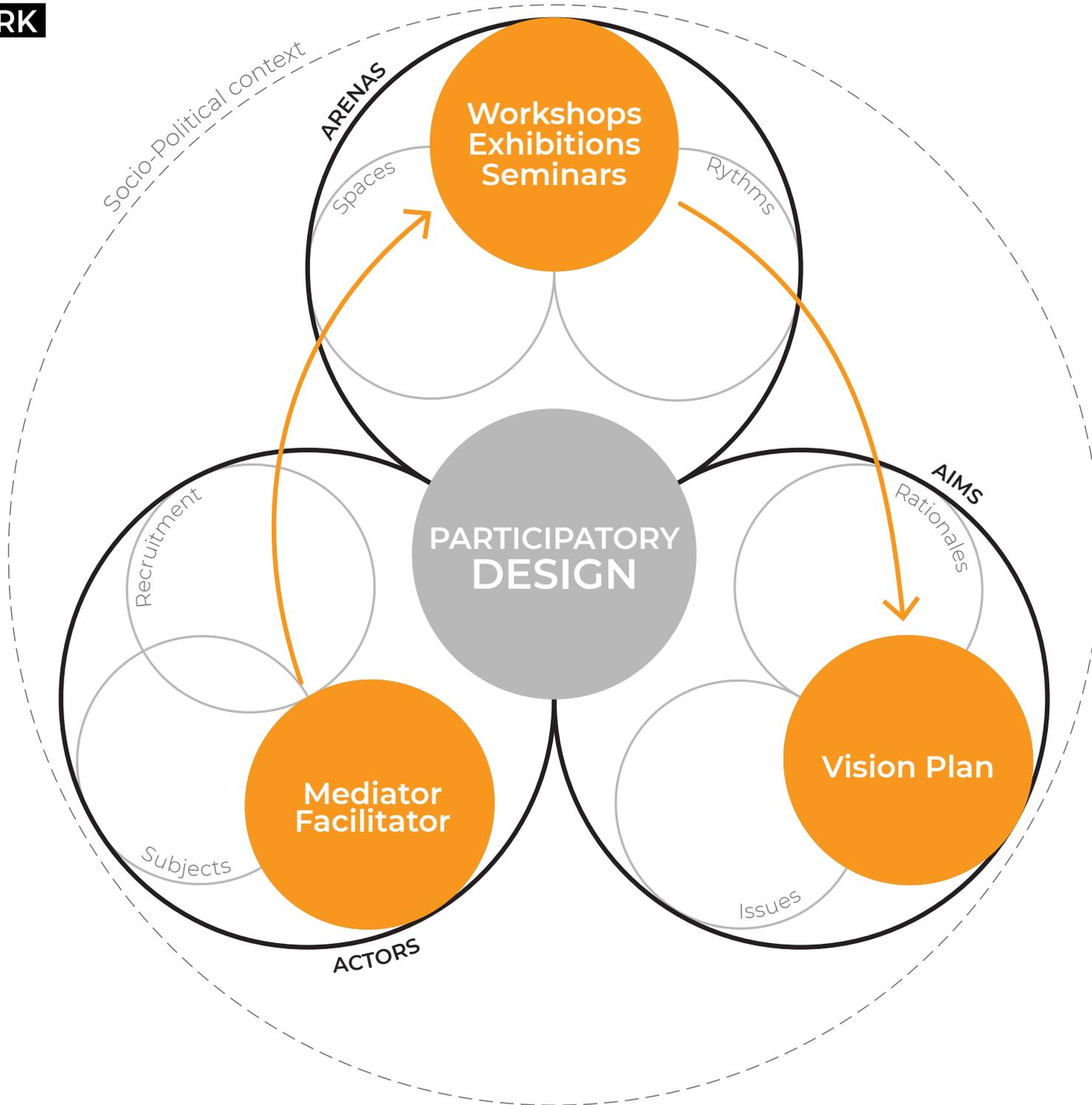
3A's FRAMEWORK

Communities Process



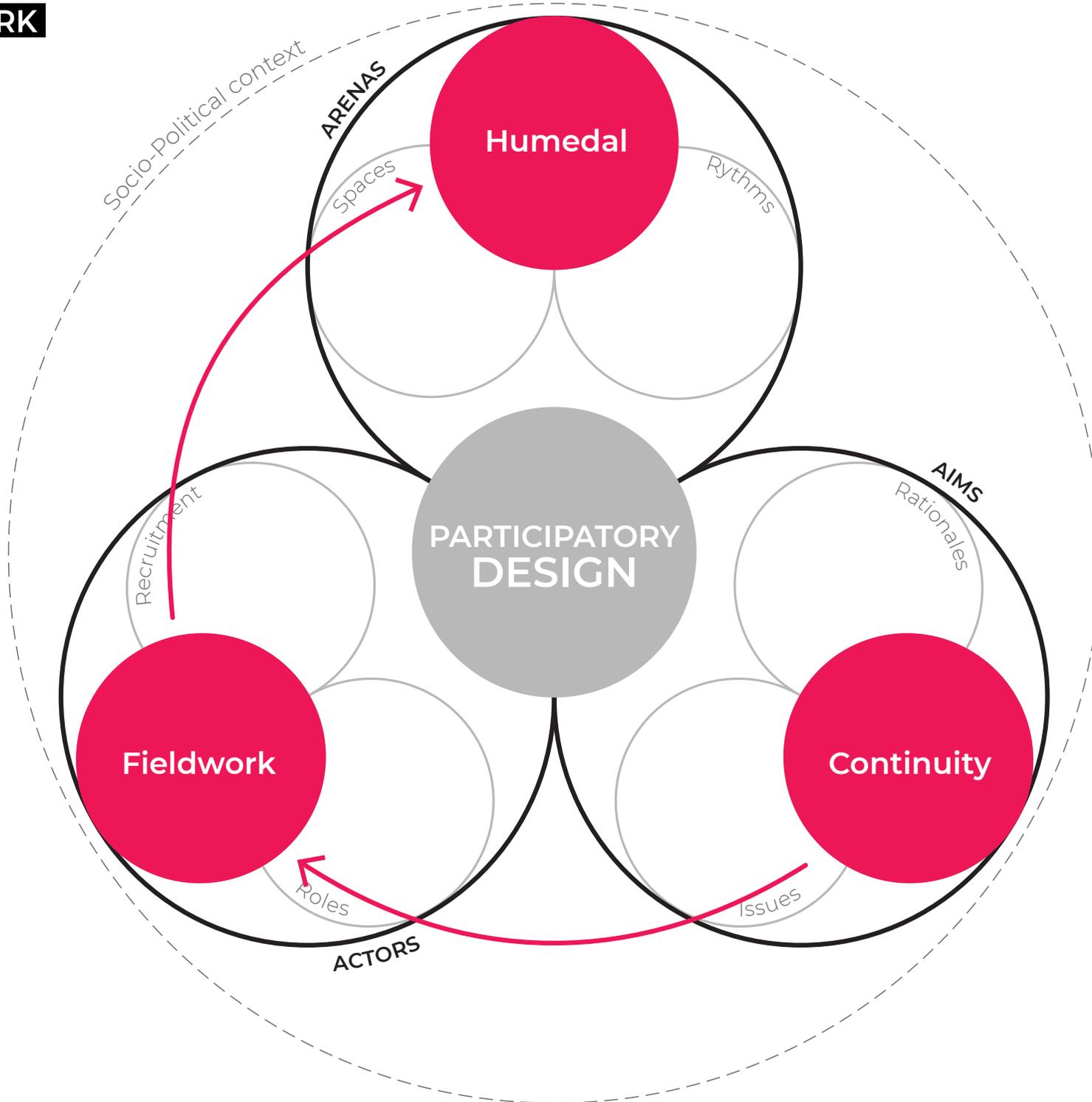
3A's FRAMEWORK

S.o.U.P Process



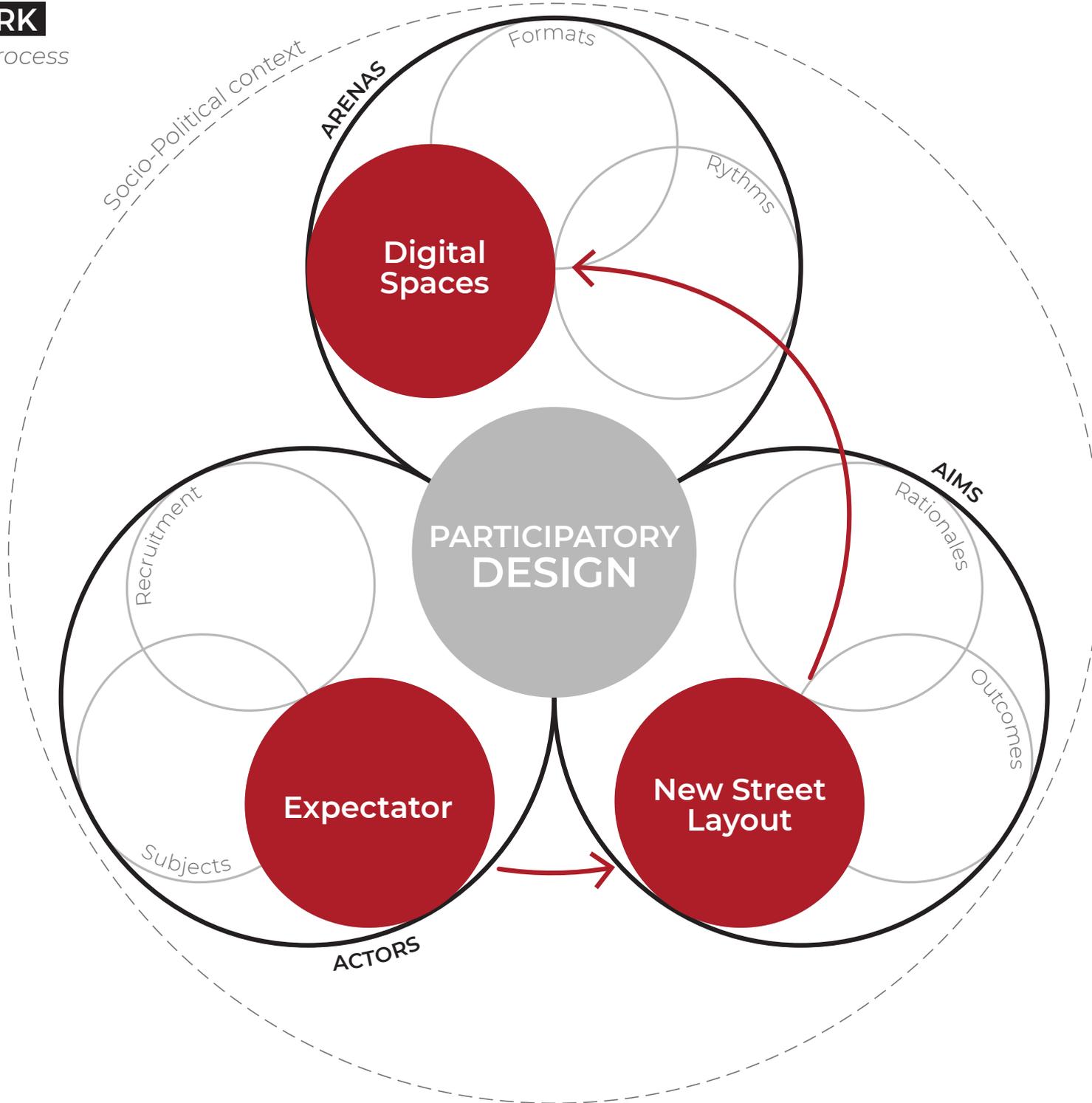
3A's FRAMEWORK

Nature's Process



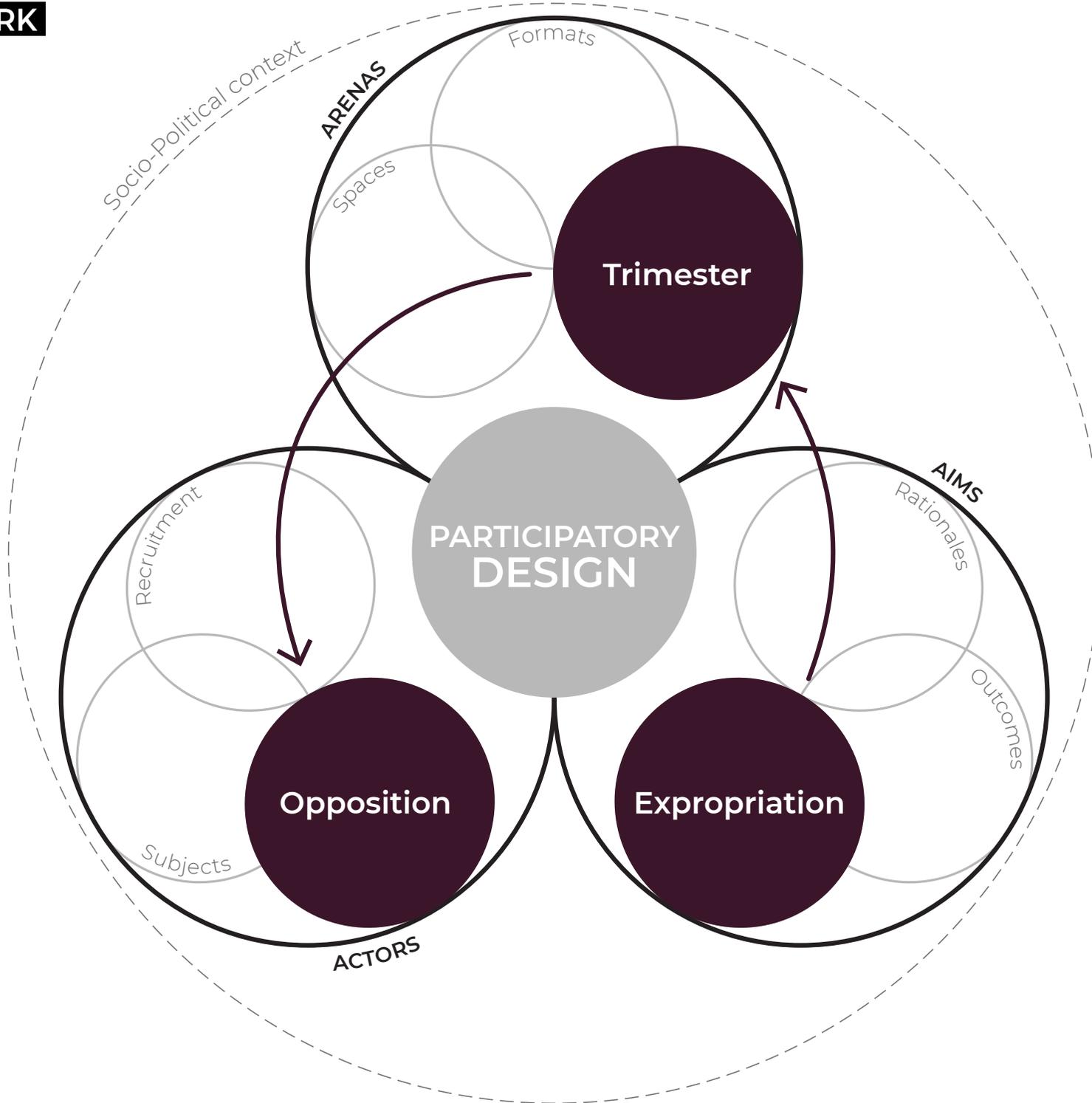
3A's FRAMEWORK

Public Transport's Process



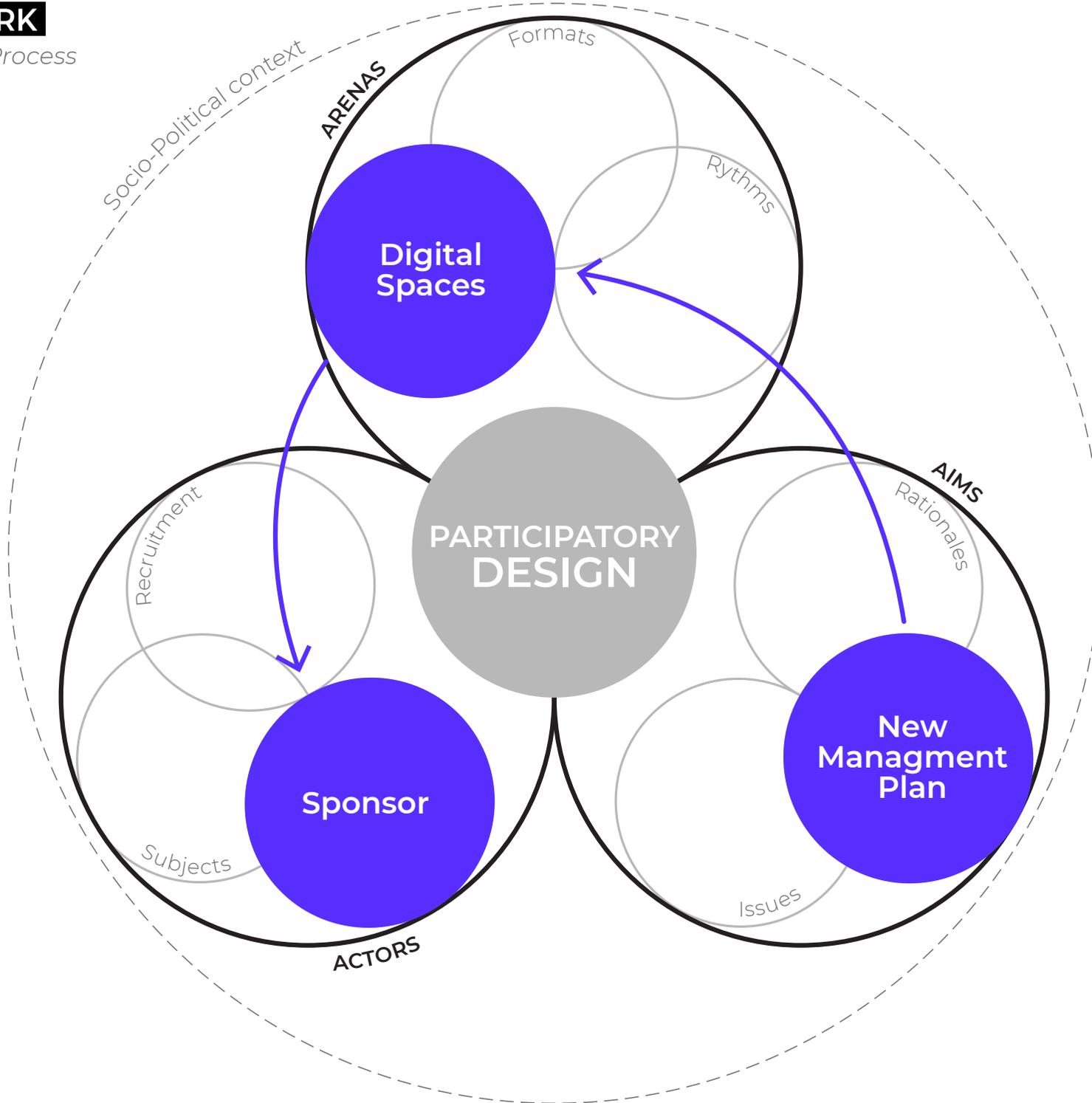
3A's FRAMEWORK

Club's Process



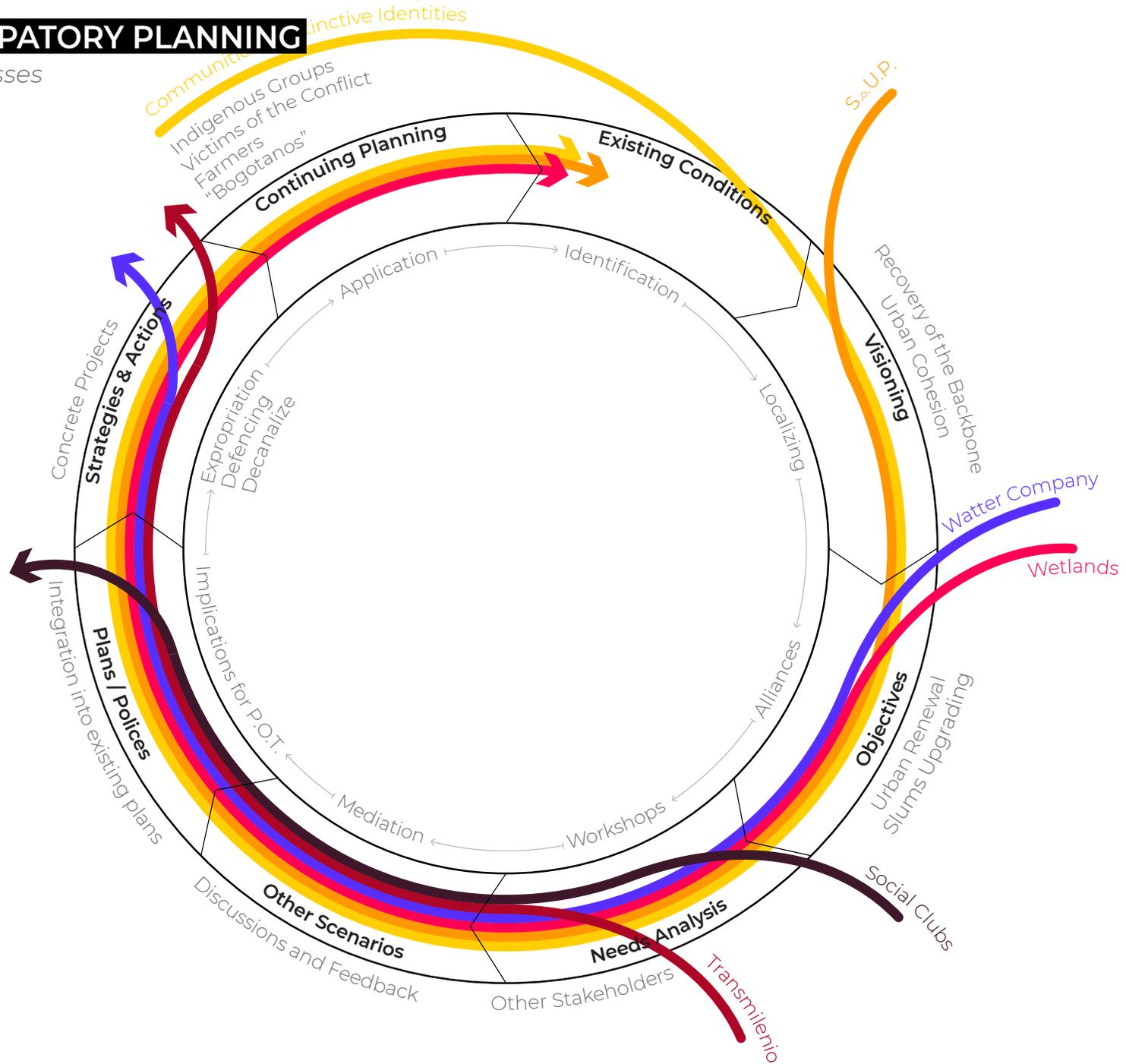
3A's FRAMEWORK

Water Companies' Process



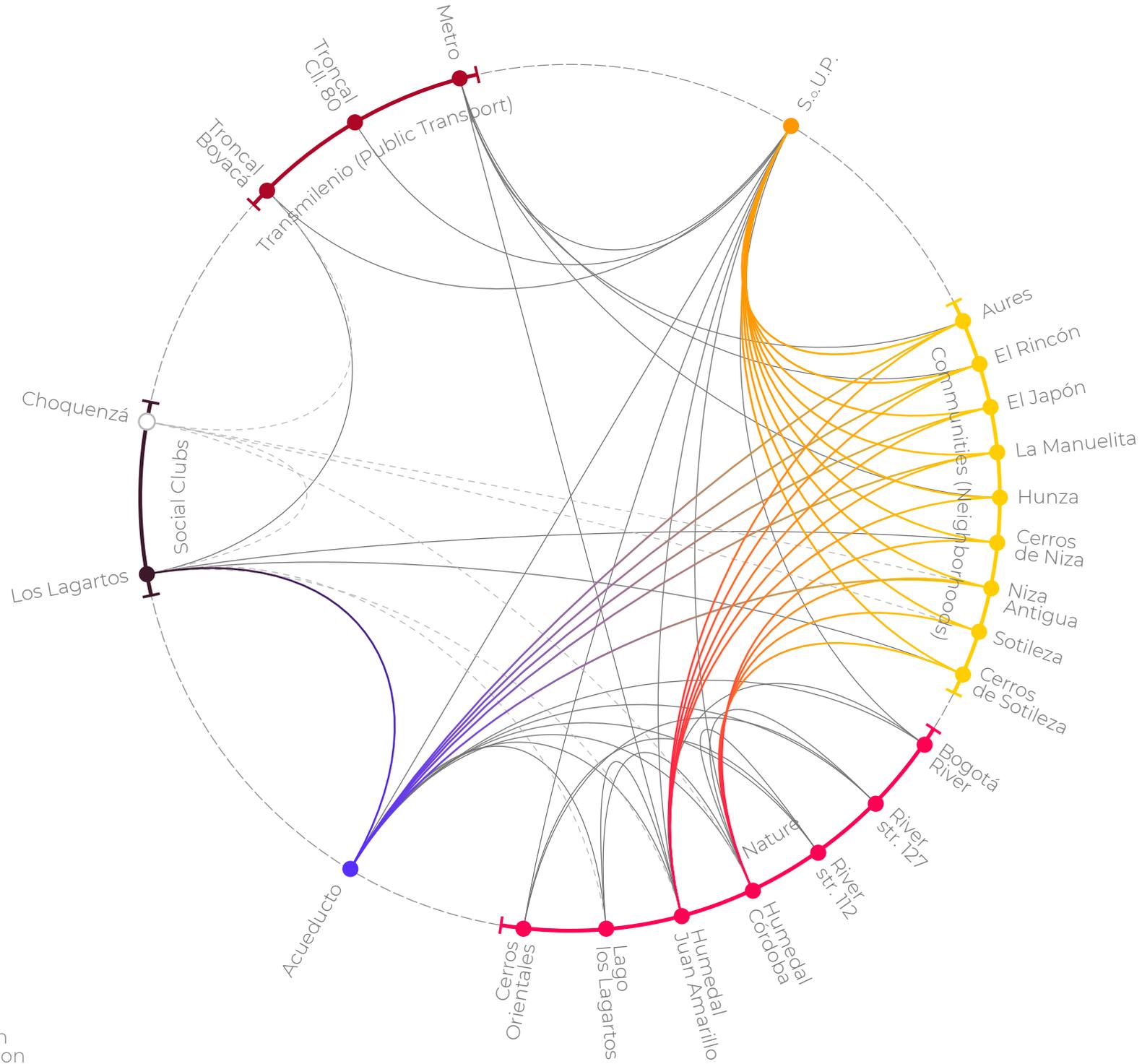
CYCLE FOR PARTICIPATORY PLANNING

Synchronization of Processes



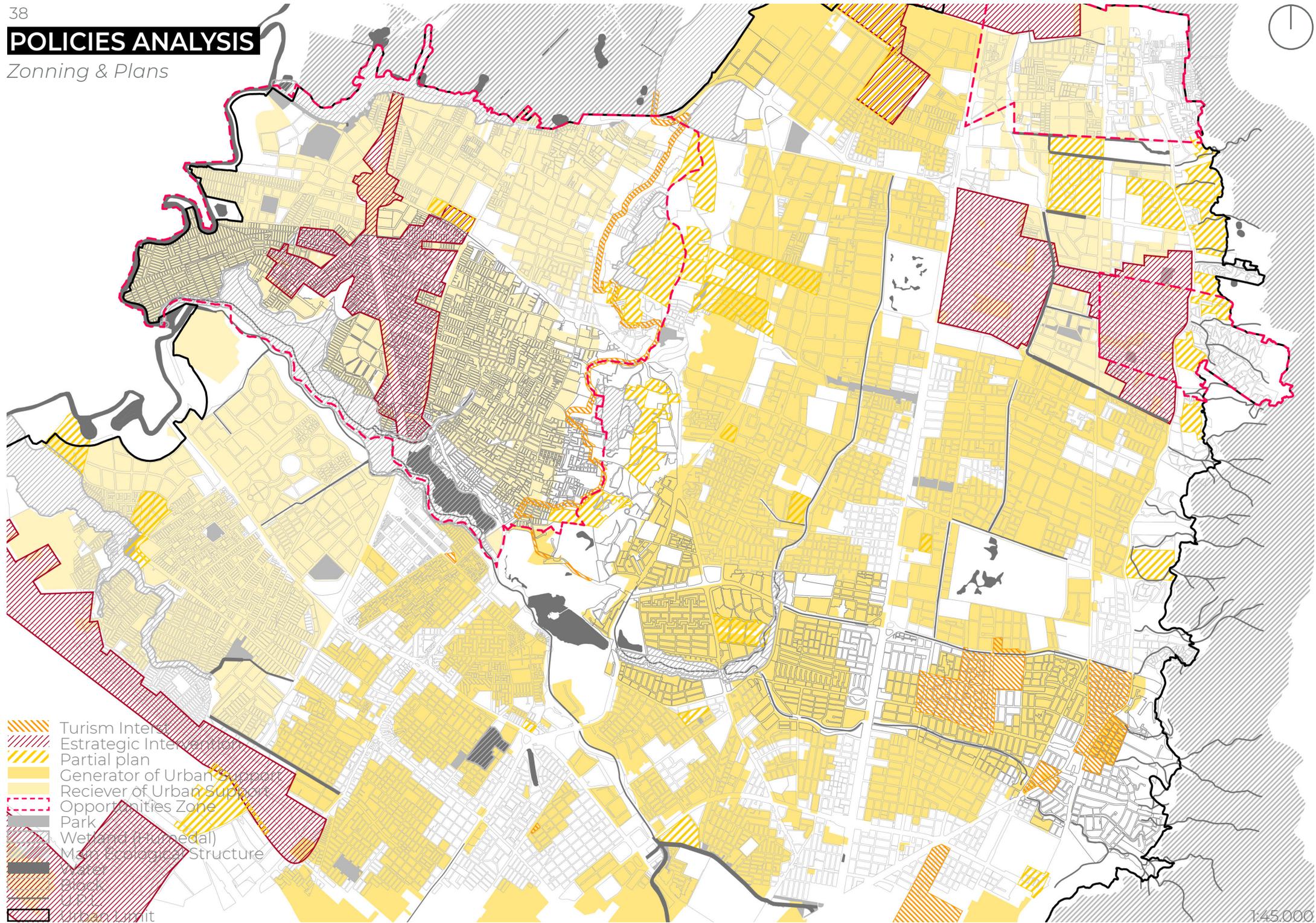
RELATIONS

New Alliances



POLICIES ANALYSIS

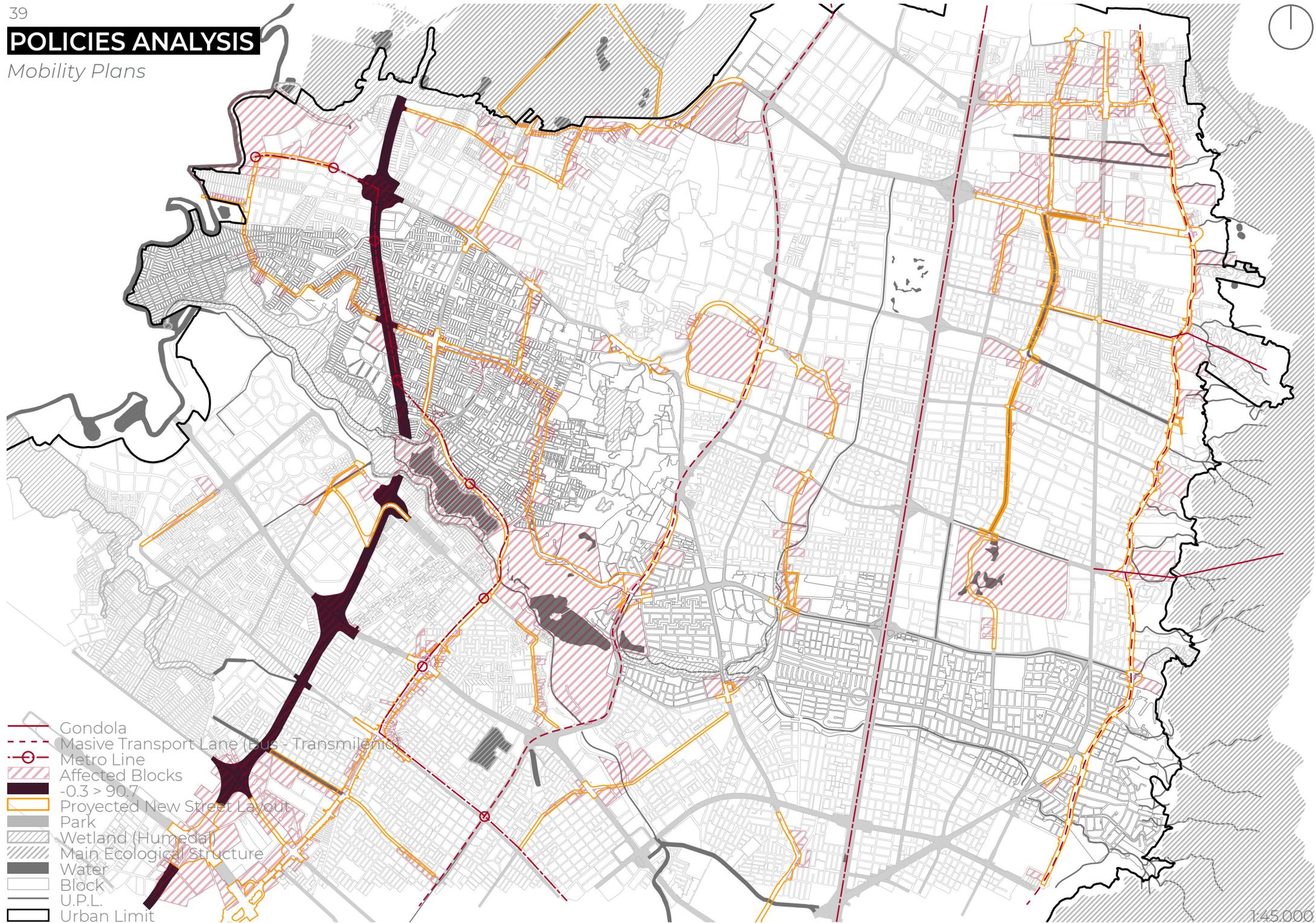
Zonning & Plans



- Turism Inter
- Estrategic Intervention
- Partial plan
- Generator of Urban Support
- Reciever of Urban Support
- Opportunities Zone
- Park
- Wetland (Humedal)
- Main Ecological Structure
- Water Block
- Urban Limit

POLICIES ANALYSIS

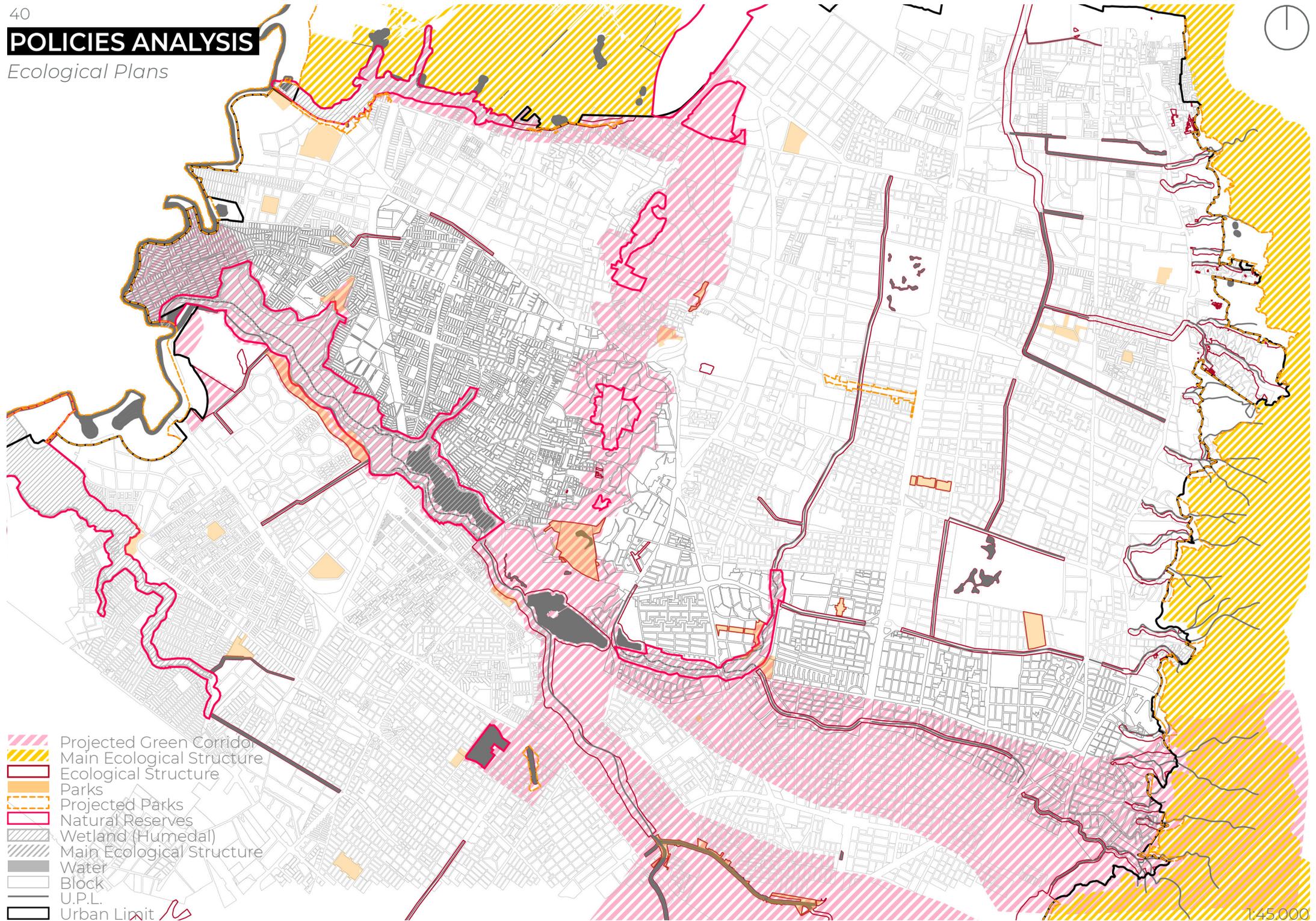
Mobility Plans



- Gondola
- Masive Transport Lane (Bus - Transmilenio)
- Metro Line
- Affected Blocks
-0.3 > 90.7
- Projected New Street Layout
- Park
- Wetland (Humedal)
- Main Ecological Structure
- Water
- Block
- U.P.L.
- Urban Limit

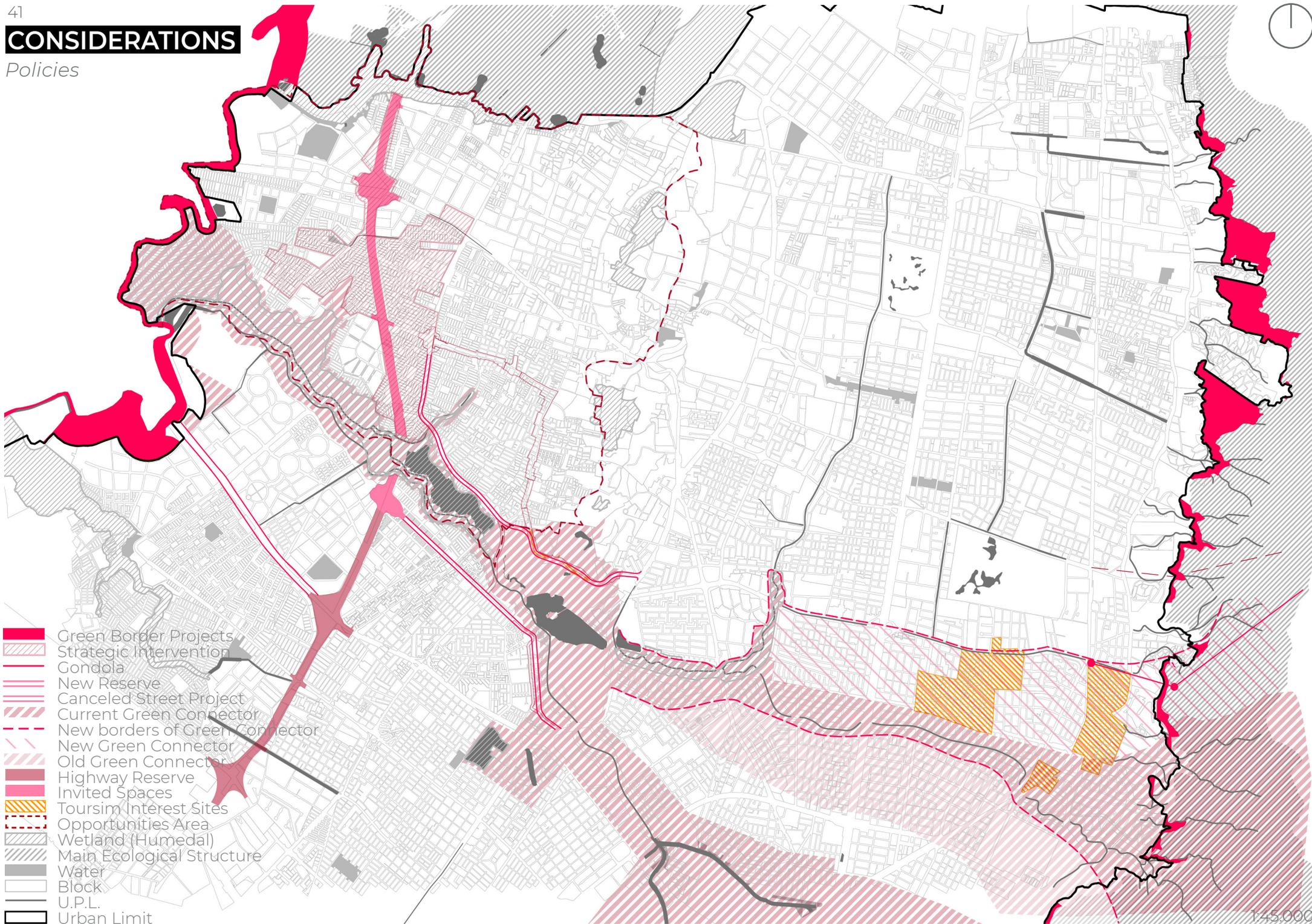
POLICIES ANALYSIS

Ecological Plans



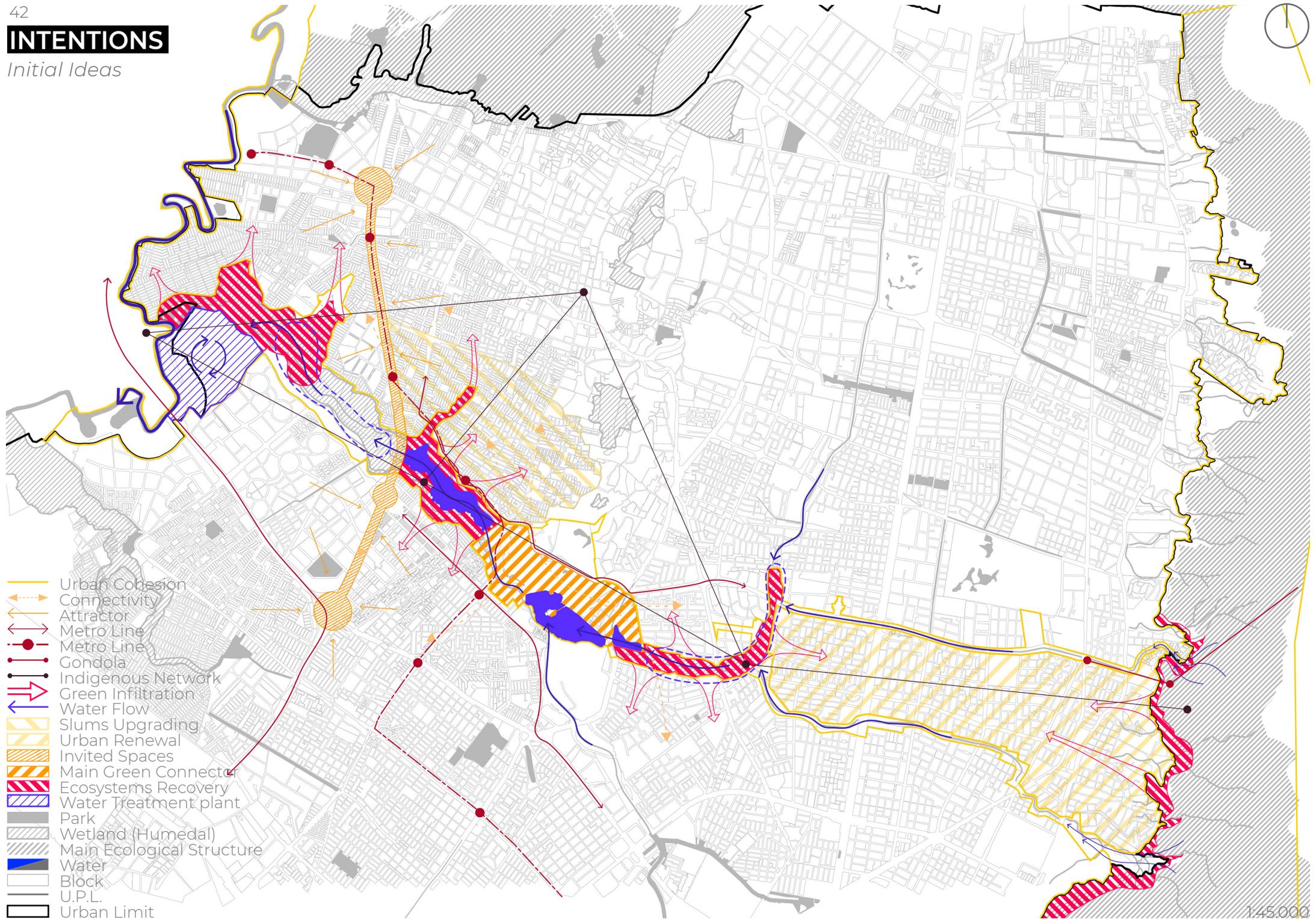
CONSIDERATIONS

Policies



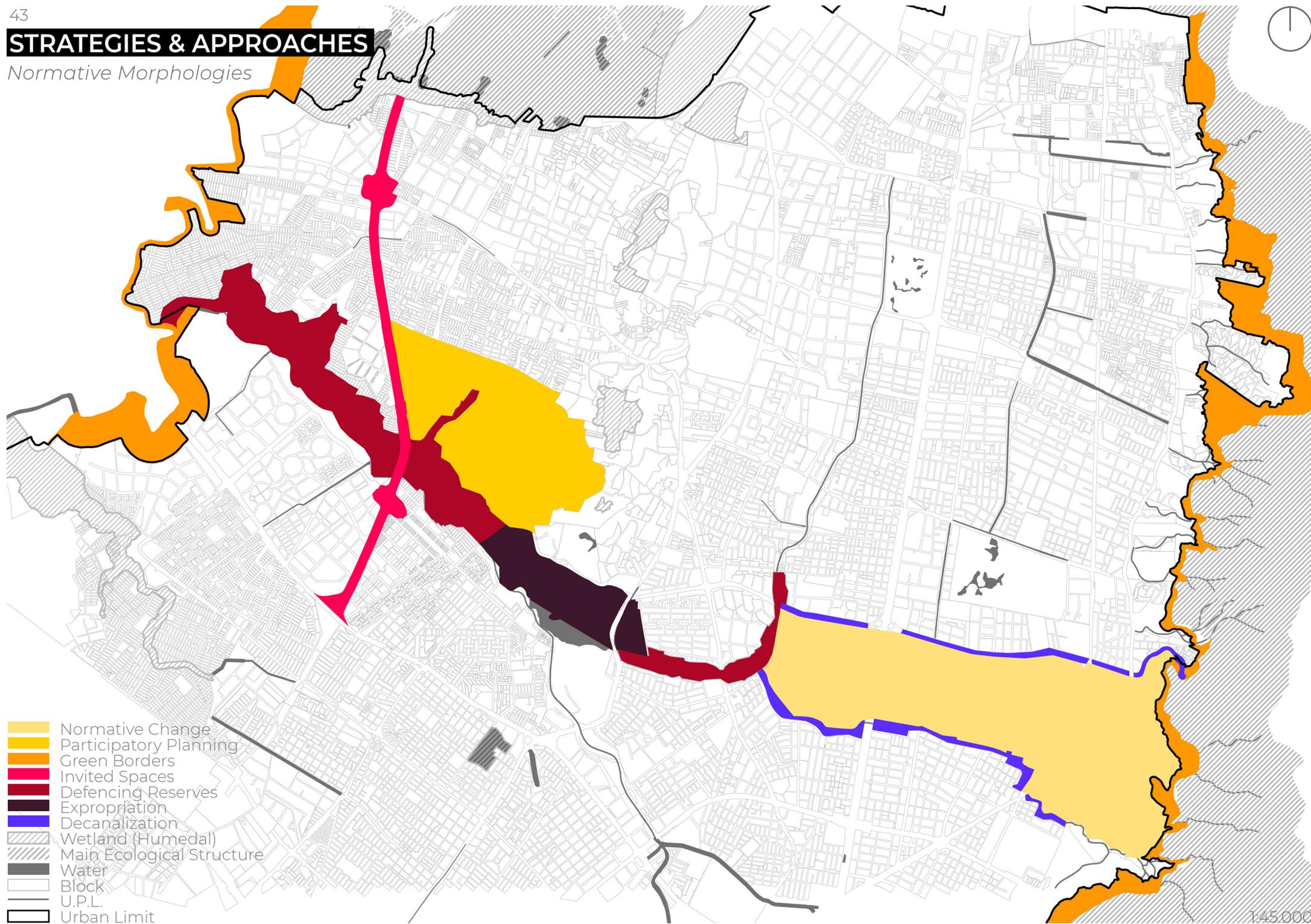
INTENTIONS

Initial Ideas



STRATEGIES & APPROACHES

Normative Morphologies



- Normative Change
- Participatory Planning
- Green Borders
- Invited Spaces
- Defencing Reserves
- Expropriation
- Decanalization
- Wetland (Humedal)
- Main Ecological Structure
- Water
- Block
- U.P.L.
- Urban Limit

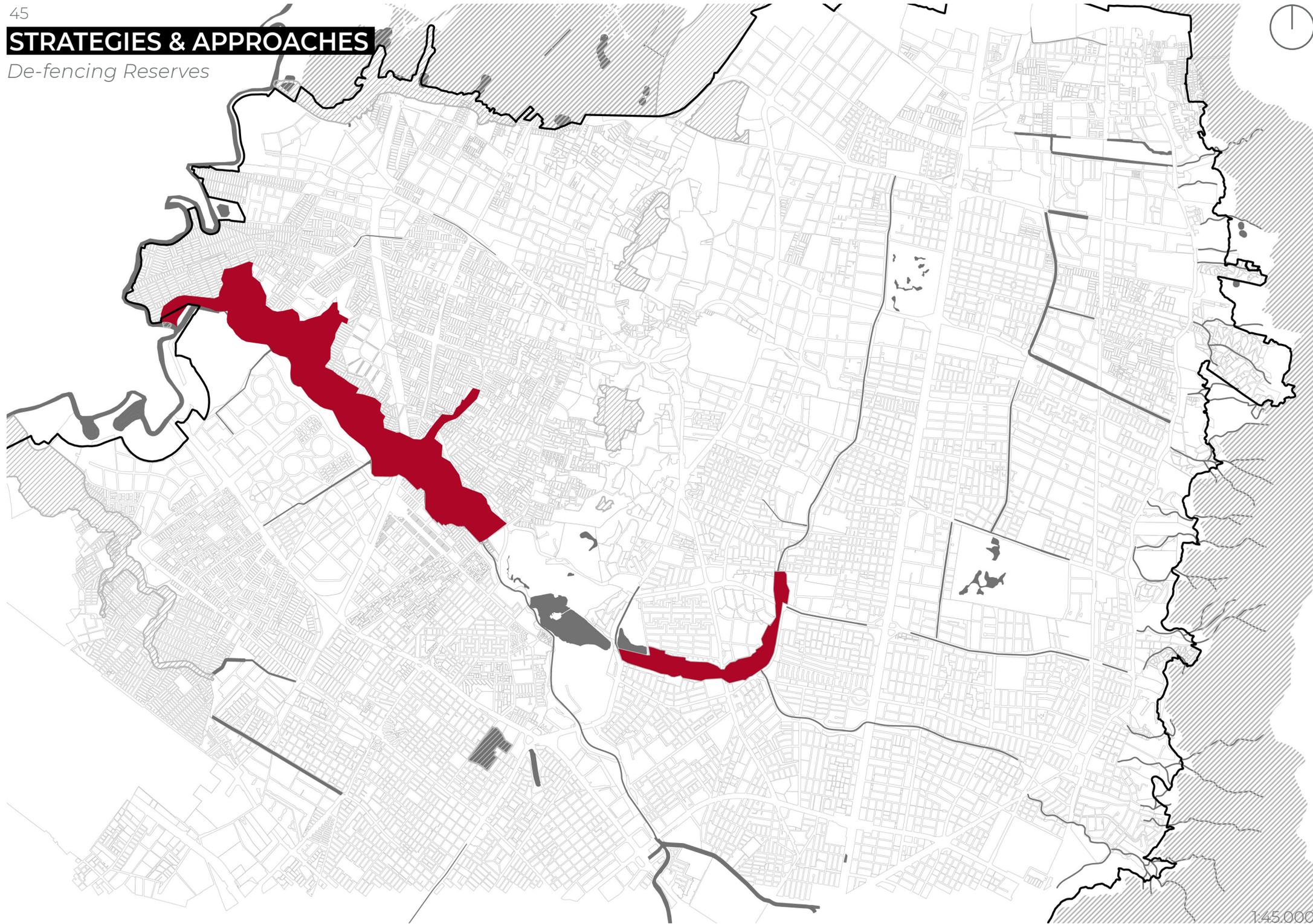
STRATEGIES & APPROACHES

Green Borders



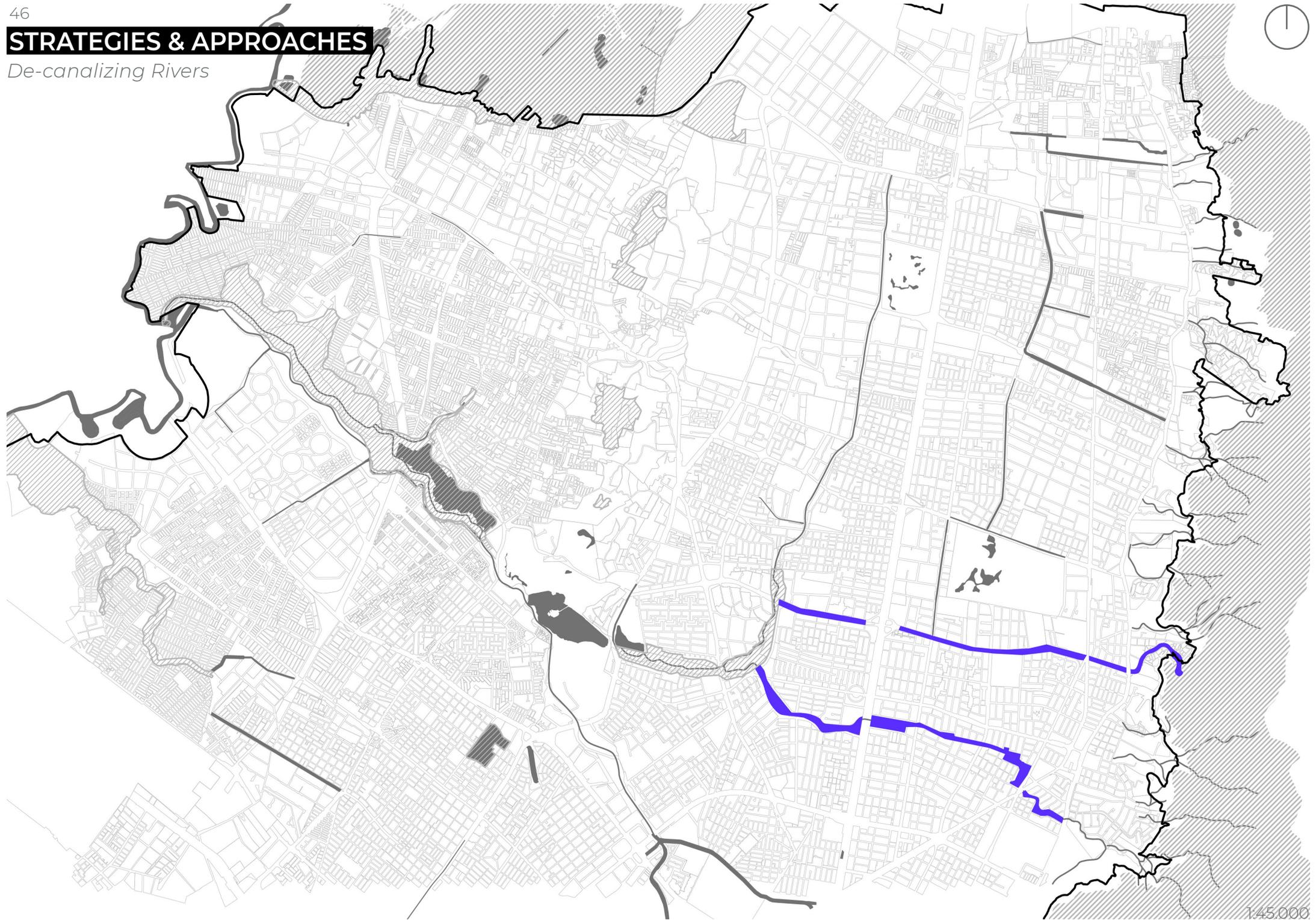
STRATEGIES & APPROACHES

De-fencing Reserves



STRATEGIES & APPROACHES

De-canalizing Rivers



STRATEGIES & APPROACHES

Expropriation



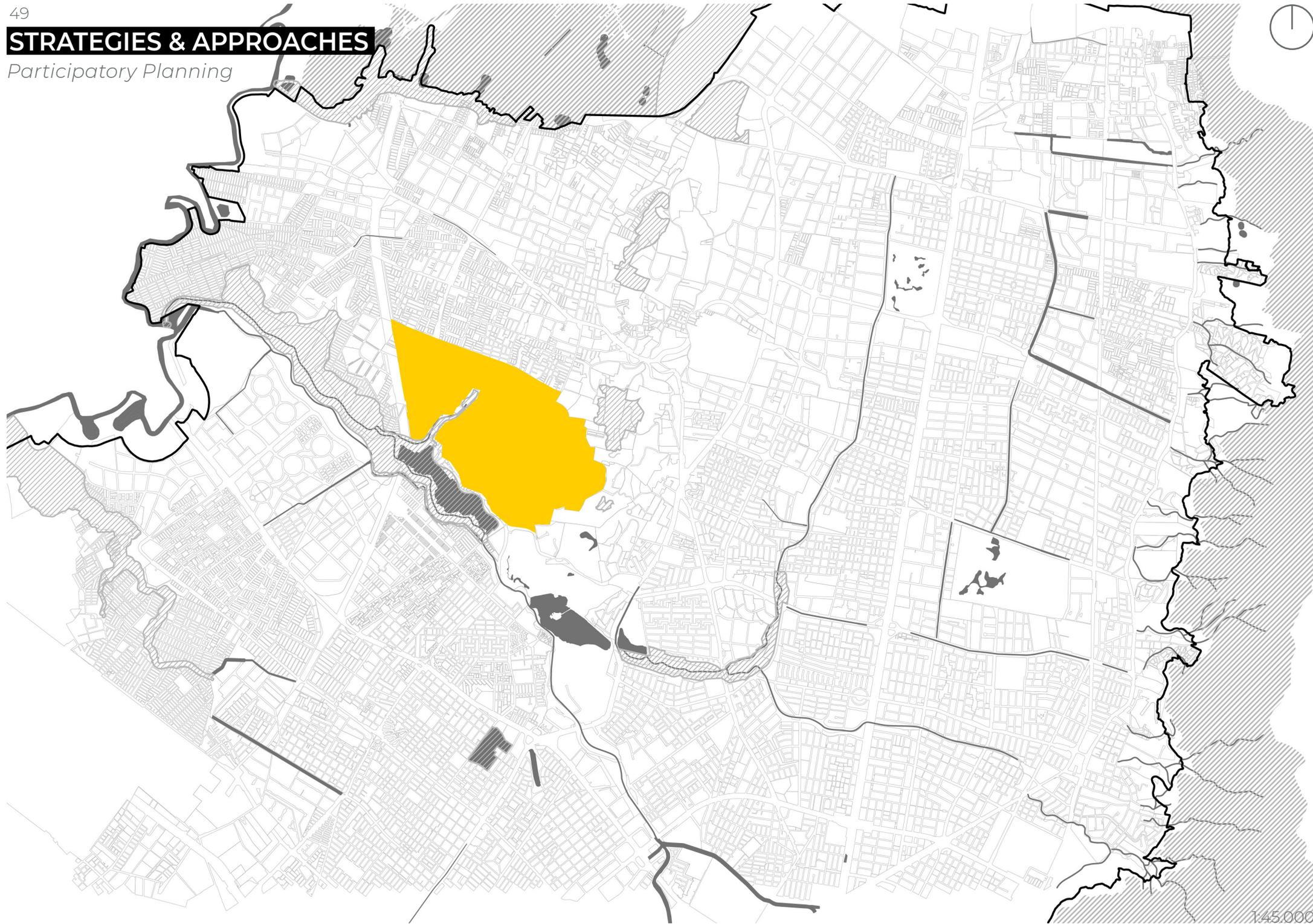
STRATEGIES & APPROACHES

Invited Spaces



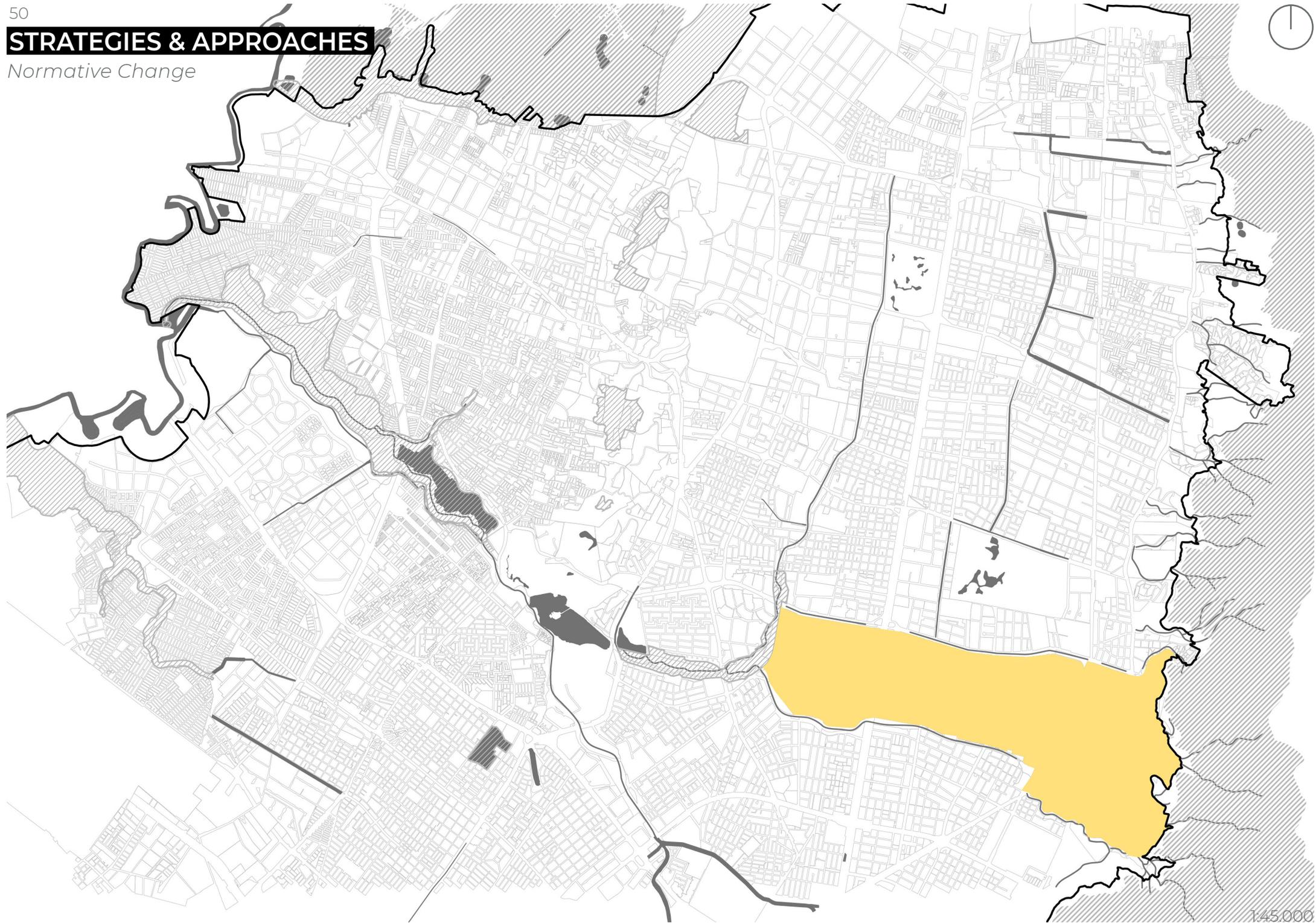
STRATEGIES & APPROACHES

Participatory Planning



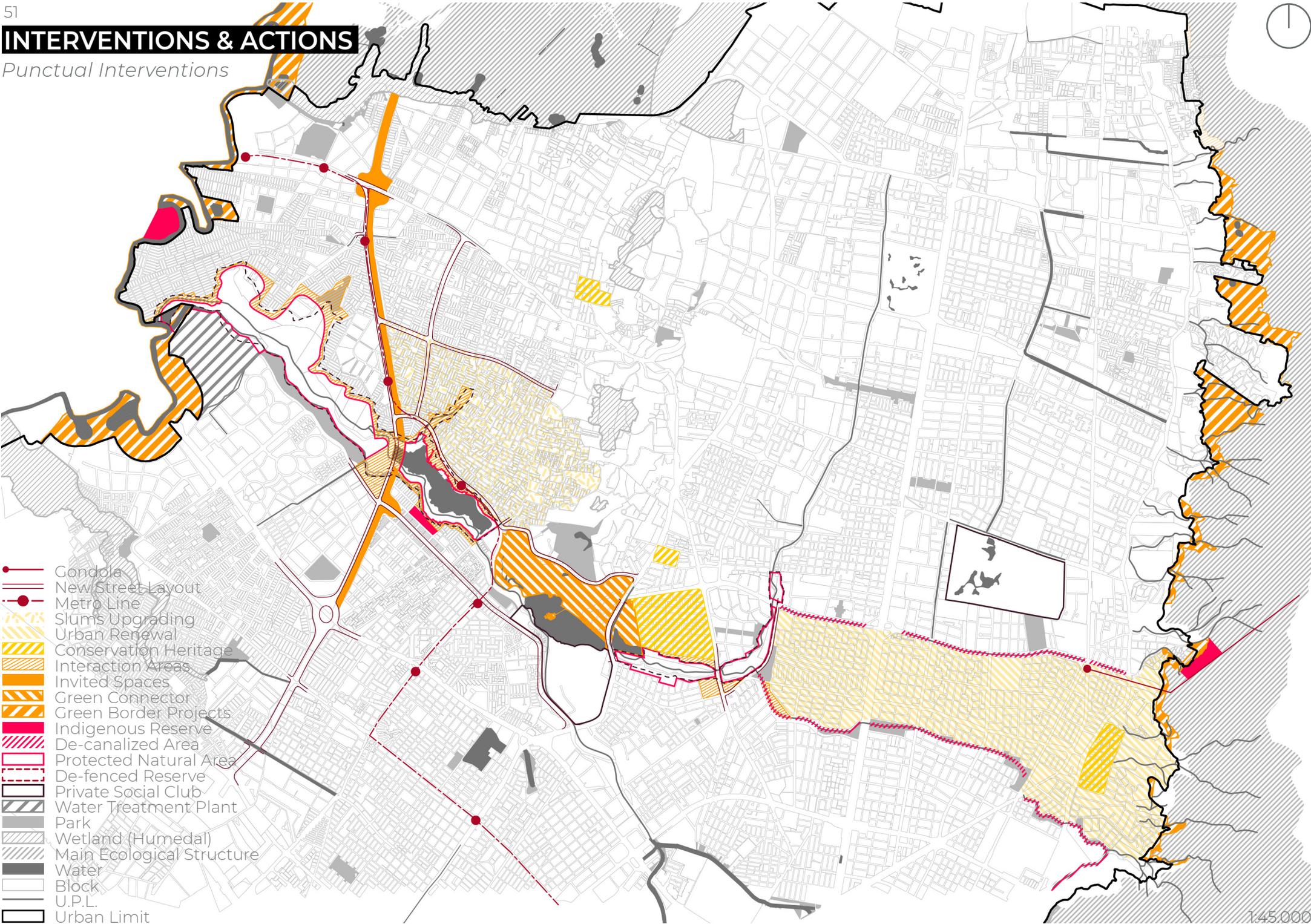
STRATEGIES & APPROACHES

Normative Change



INTERVENTIONS & ACTIONS

Punctual Interventions



GREEN/BLUE BACKBONE

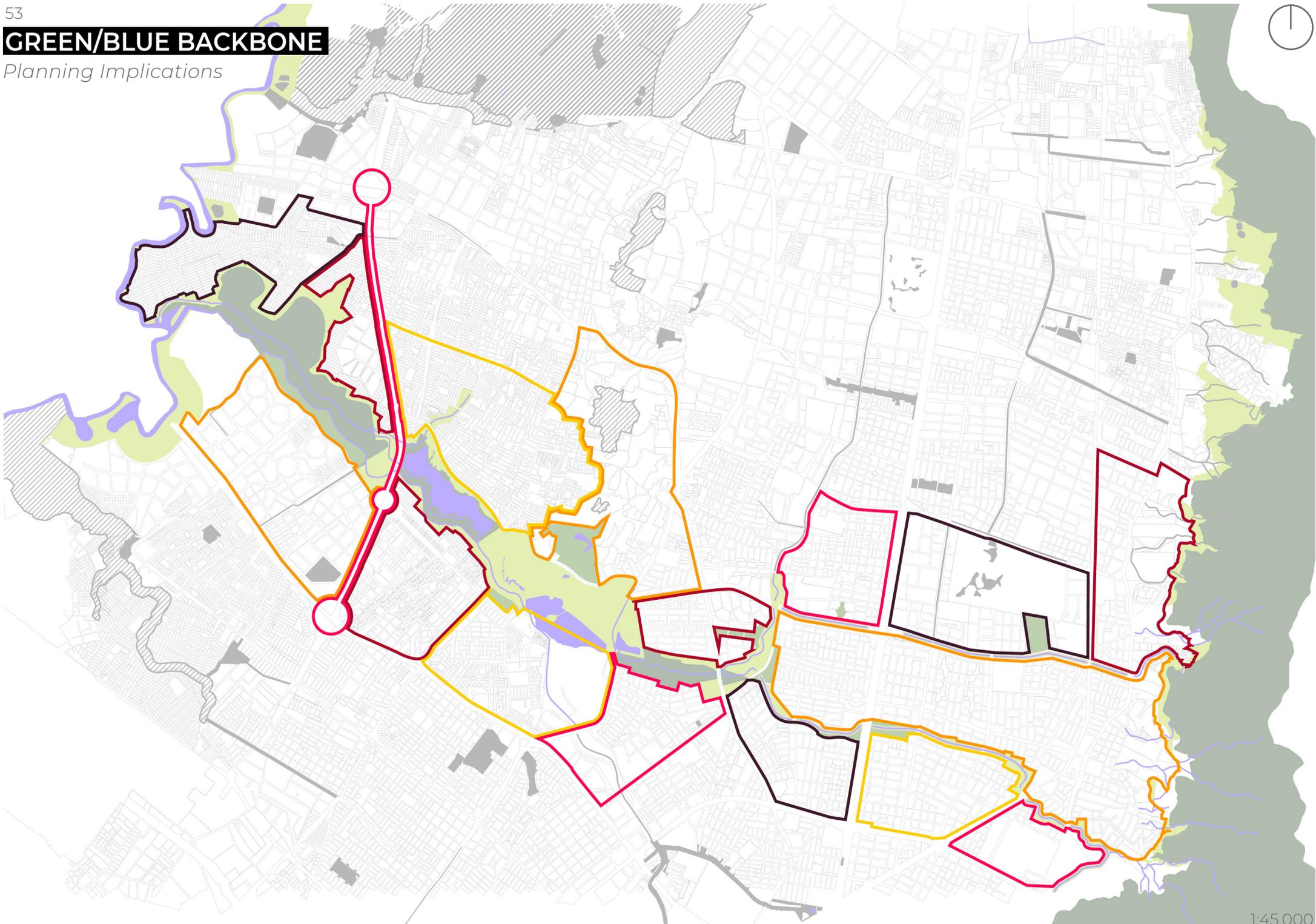
Recovery of the Ecological Structure



- Social Clubs
- Urban Cohesion
- Appropriated spaces
- Alliance with Nature
- "Greenification"
- New Green Structure
- Metropolitan Parks
- Natural Reserves
- Blue Structure
- Treatment Plant
- Park
- Wetland (Humedal)
- Main Ecological Structure
- Water
- Block
- U.P.L.
- Urban Limit

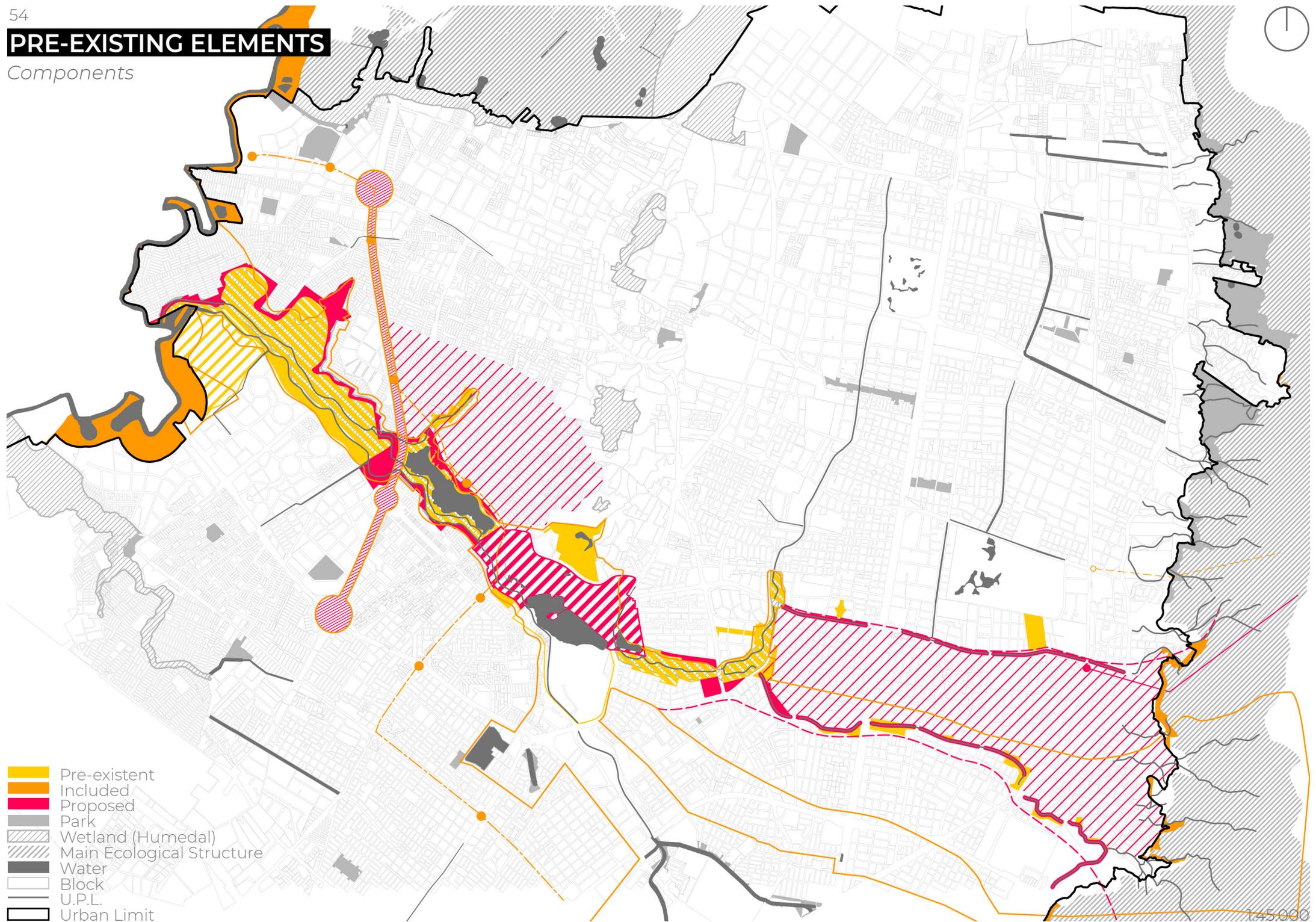
GREEN/BLUE BACKBONE

Planning Implications



PRE-EXISTING ELEMENTS

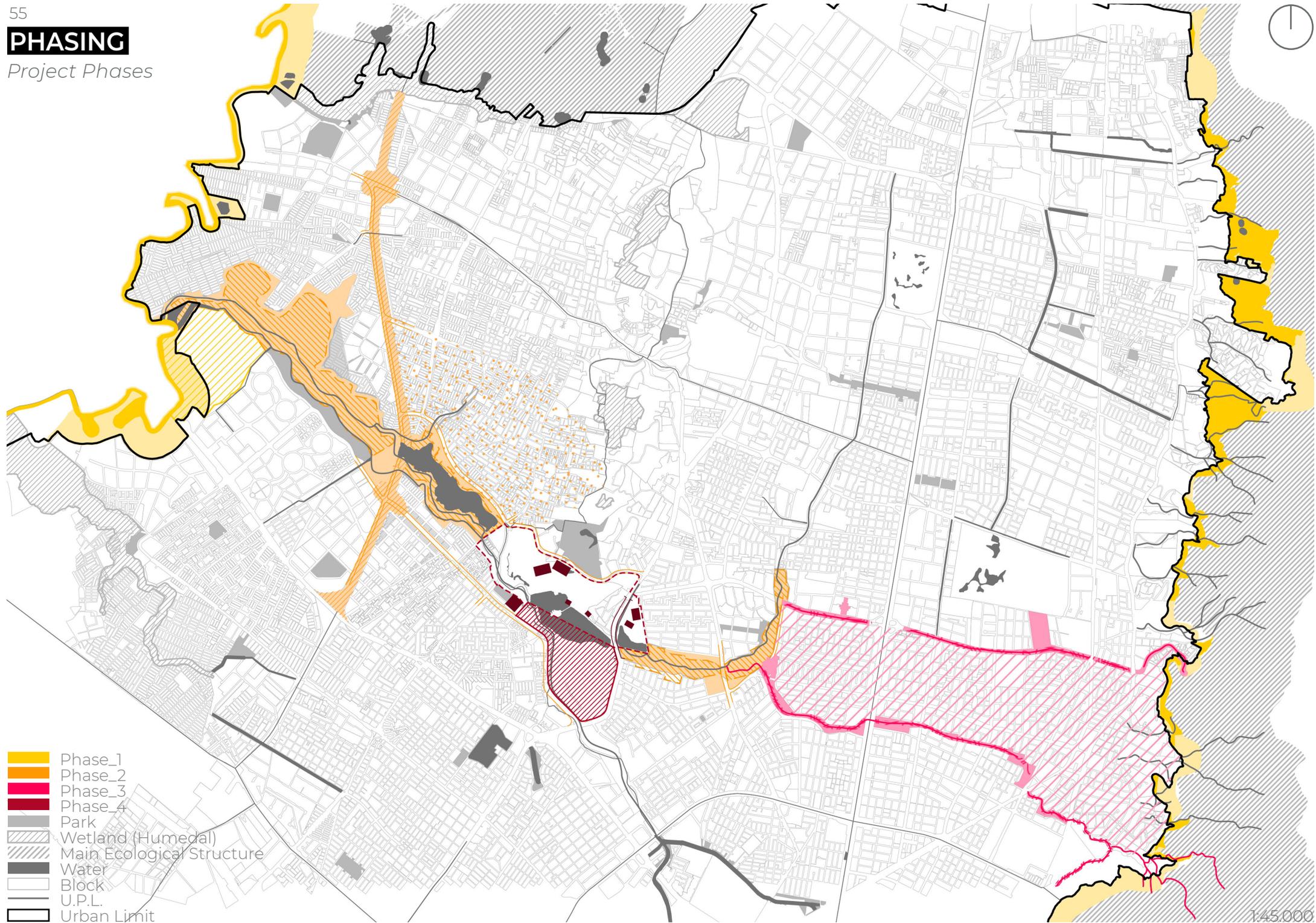
Components



- Pre-existent
- Included
- Proposed
- Park
- Wetland (Humedal)
- Main Ecological Structure
- Water
- Block
- U.P.L.
- Urban Limit

PHASING

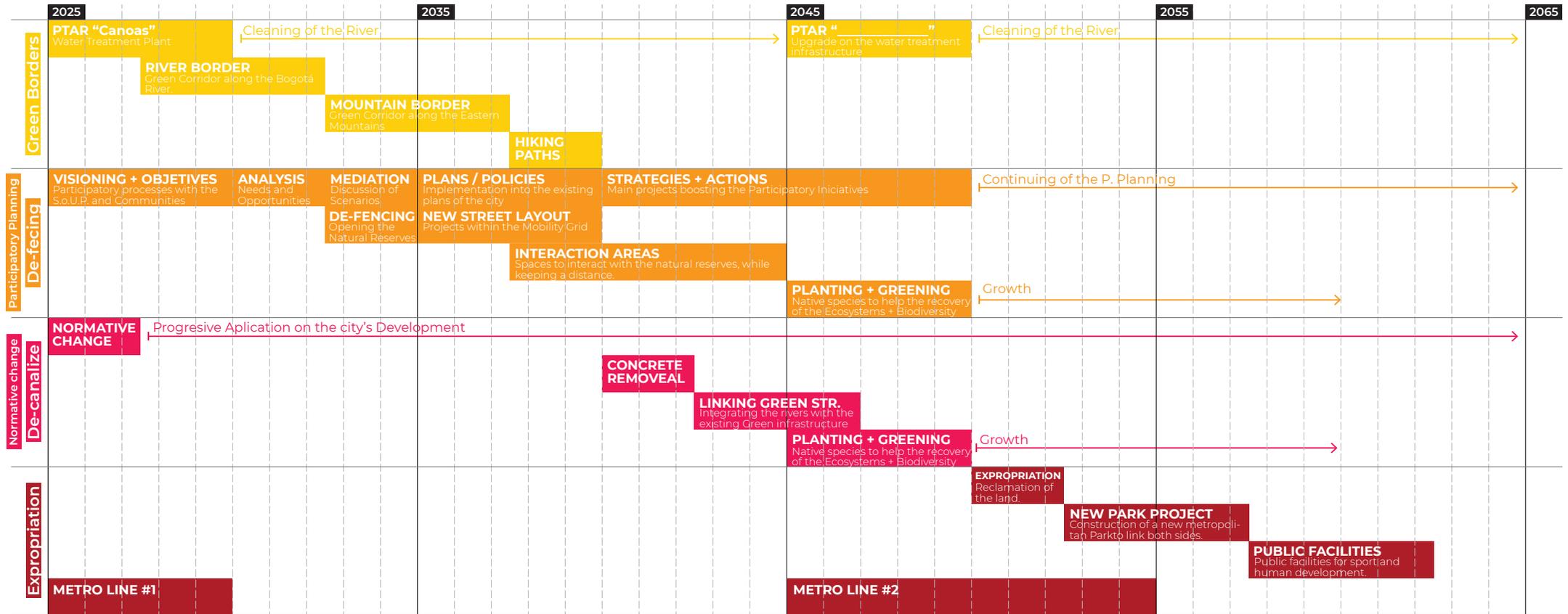
Project Phases



- Phase_1
- Phase_2
- Phase_3
- Phase_4
- Park
- Wetland (Humedal)
- Main Ecological Structure
- Water
- Block
- U.P.L.
- Urban Limit

TIMELINE

Future Projection



CONCLUSION

Future Projection

