

Riverism

RIVERISM

The Bogota River and its expansion, a green mesh in the limit of habitability



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INTRO

Mapping riverism

A project on the Bogota River, the river that gave Colombia's capital its names, seems to be an ideal. The city and the region do not understand their connection to it – and at the beginning neither did I.

To contribute to the amount of studies on the river would seem at first seemed unnecessary and to propose a new image for the city seemed even less credible - even if the city has little physical or cultural connection to the surrounding region.

These reasons are sufficient to know that the river should be a new focus for the city. Therefore this formed the base of my investigation which is grounded in a theoretical approach with design base.

One of the objectives of this research is to translate in a simple manner the the point of *the difference* from the river and in terms of the complexity, the solutions are taken from there also to solve effectively in similar situations on the edges of this winding blue stream.

The work is a proposal for capital growth towards the region taking into account the opportunities for areas surrounding the river and its link with the metropolitan area. It is a search for a regional vision based on a contemporary urban landscape with environmentally sensitive solutions.

The research shows that the territory has many opportunities and this work is simply an approach. I also hope that this document will be a support for other studies, because the research, agreement and consistency of local information are immersed also in the terms of the complexity.

The information is interpreted and expressed here is specific to this project, in a graphical and interpretative way that tries not to make assumptions of the information base, on the contrary it will be more a description of some qualities emphasized in the proposal.

In the search for real experience (primary information) during the fieldwork was an attempt to learn about the personality of the river in terms of other physical and life experiences. This process concluded with a Jam session (anxex1) resulting in a very good approach to the particular problem from an interdisciplinary perspective.

From the reading and interpreting the investigation (secondary information) the project was structured on the basis of research questions and creating analysis scenarios. By understanding the problems, theoretical concepts can be developed creating one scenario construction for the site.

The project has been divided into 3 chapters; firstly the ***Problem Statement*** or the study of the initial problem will be discussed, then a chapter shall investigate ***Dissecting the territory*** - containing a study of the environment and finally the ***Scenario Development*** which shall propose concepts and develop opportunities for the site.

Problem Statement

03|04

Questions, interest, hypothesis.

Water quality

Bogota, analysis and history

Bog Morphology and Tissues

Conceptualization for the Stratification Red

Bog land development .

SCENARIO 0

Dissecting the territory

29|30

River basin, highs levels

Regional maps

Regional maps Ramada plans

Regional maps Tanneries, industry and flowers. Occupation

Conceptualization for the occupation White

Bogota axis BN, Connection between regions

Mobility, General Plan

USES region

Conceptualization for Uses, Gran size Green

Vertical and Horizontal zoning

SCENARIO 1

Linear city

Land type and land use

Ecologies and its History

Floods

SUMMARIES

Conceptualization for the actual situation Red + Green**Scenario Development**

71|72

General concepts and Strategies Tools

Conclusion analysis + Strategies

Scenario*Strategies in Detail*

Park Topologies,

Industrialization Topologies,

Flooded Topologies,

Forest Topologies,

Housing Topologies

Strategies in Sequences

Park Topologies,

Industrialization Topologies,

Flooded Topologies,

Forest Topologies,

Housing Topologies

Mobility

Project Management

Project Conclusion**Conclusion**

131|132

Acknowledgments

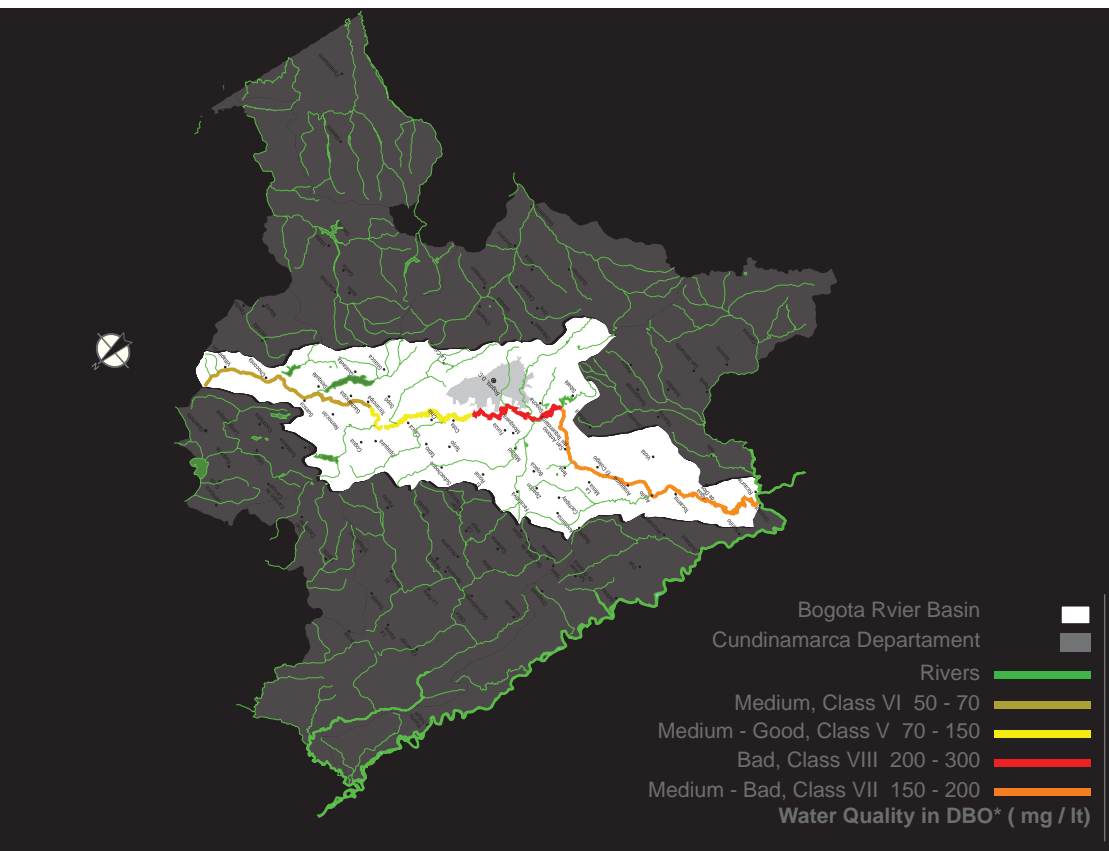
Bibliography

Annexes

1- Jam session

2- Guadua research

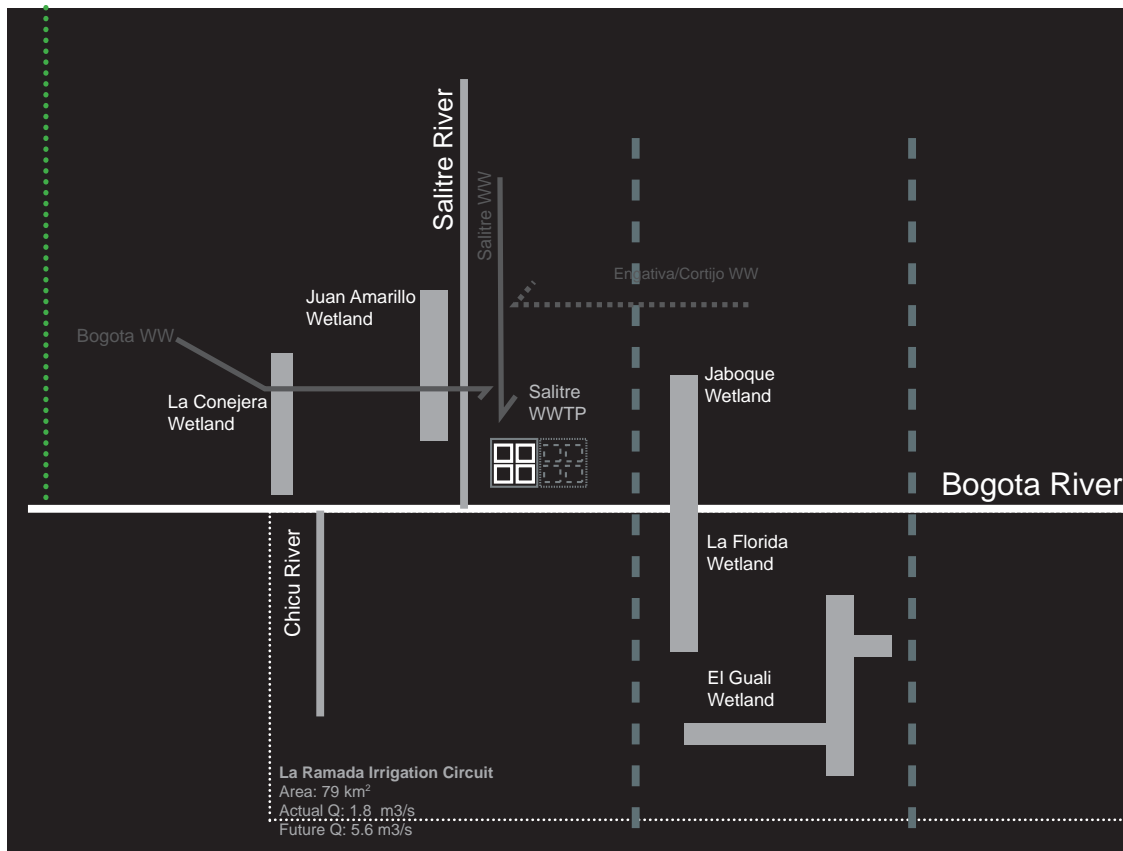
370 kms



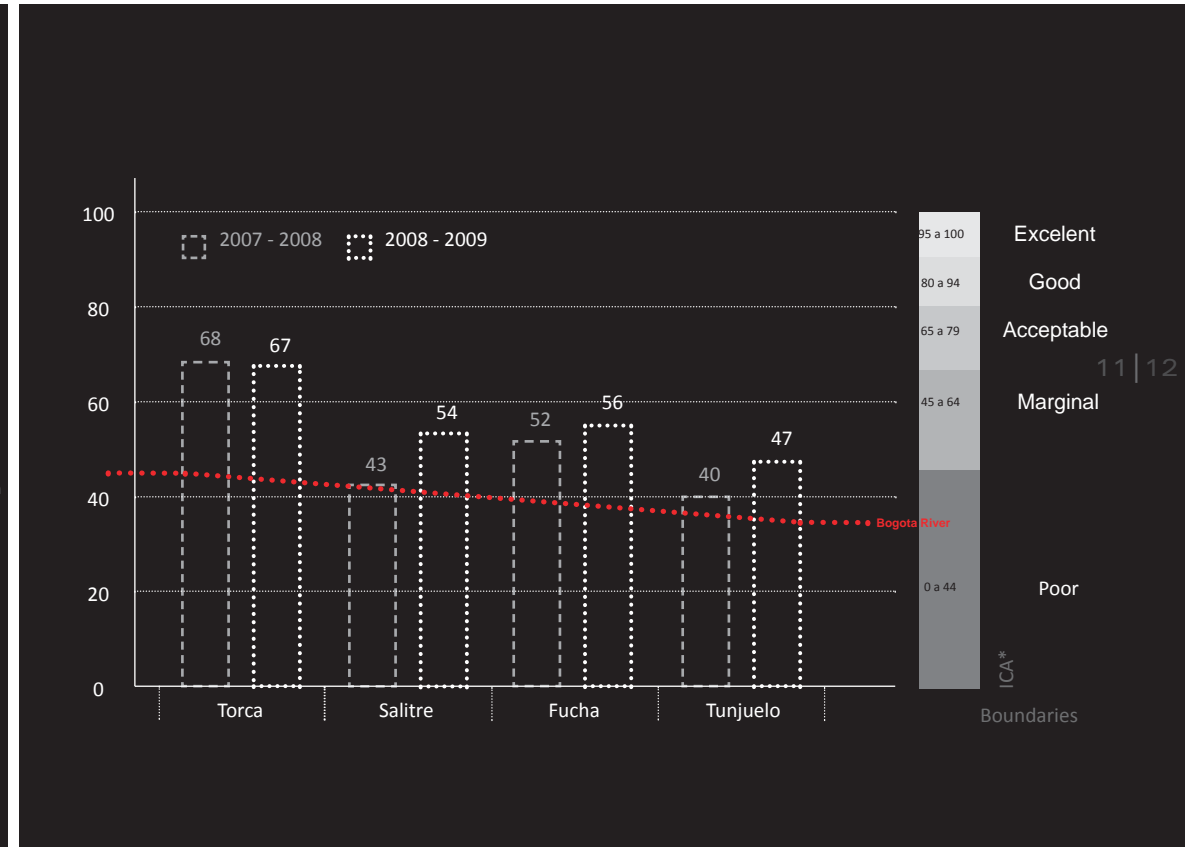
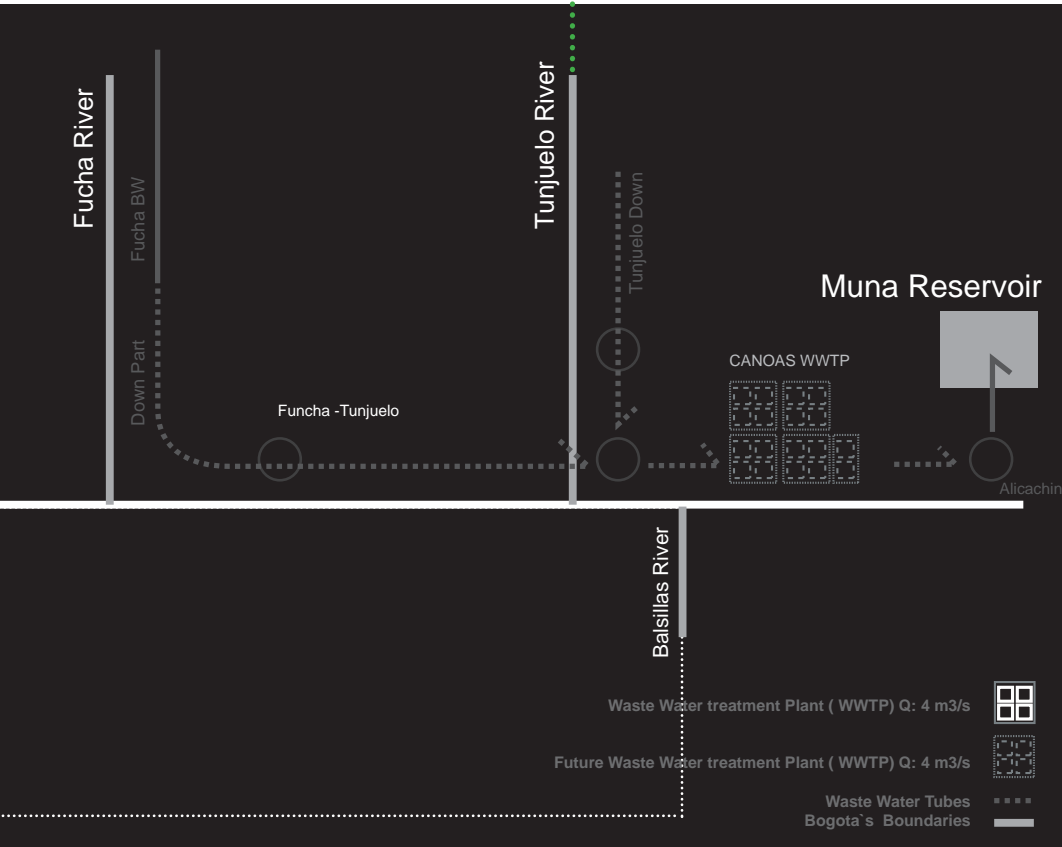
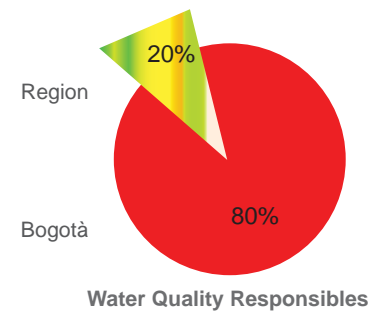
Source: CAR doc, POMCA
Own Edition: Adobe Suite.

Water Quality in the Basin
DBO*: Biodegradability Index

Bogotá
Area: 1.587 km²



Source: EAAB doc, CAR doc, POMCA
Own Edition: Adobe Suite



Source: SDA, POMCA
Own Edition: Adobe Suite

Water Quality index in Bogotá.
ICA* Water Quality Index 2007-2008-2009.

The Problem is the River

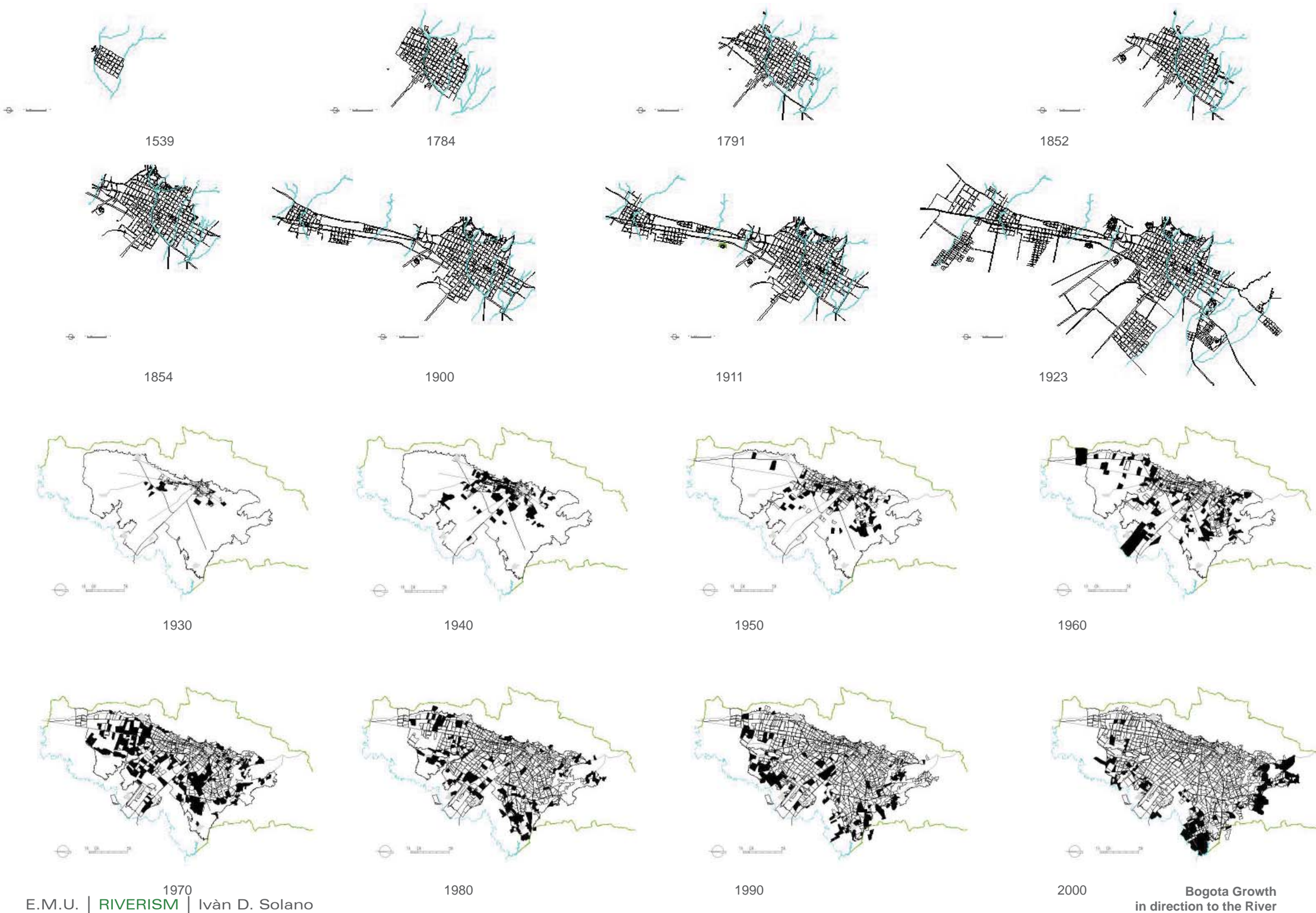


Bogota River

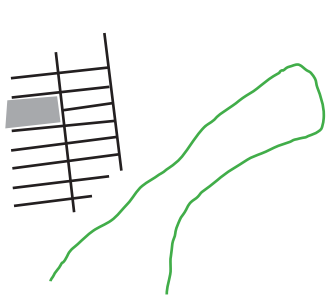
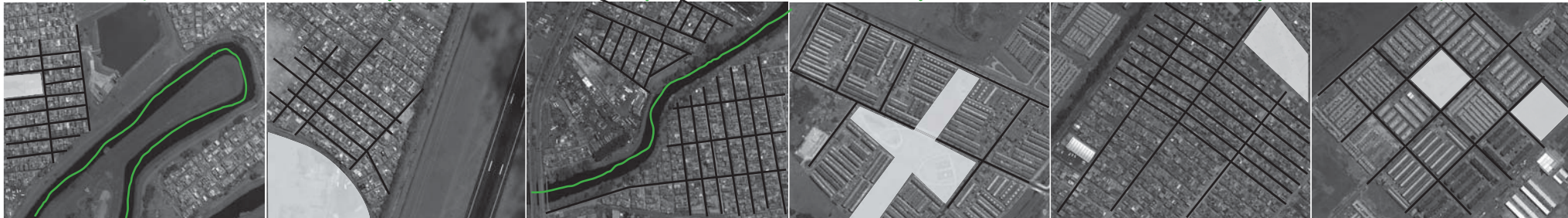
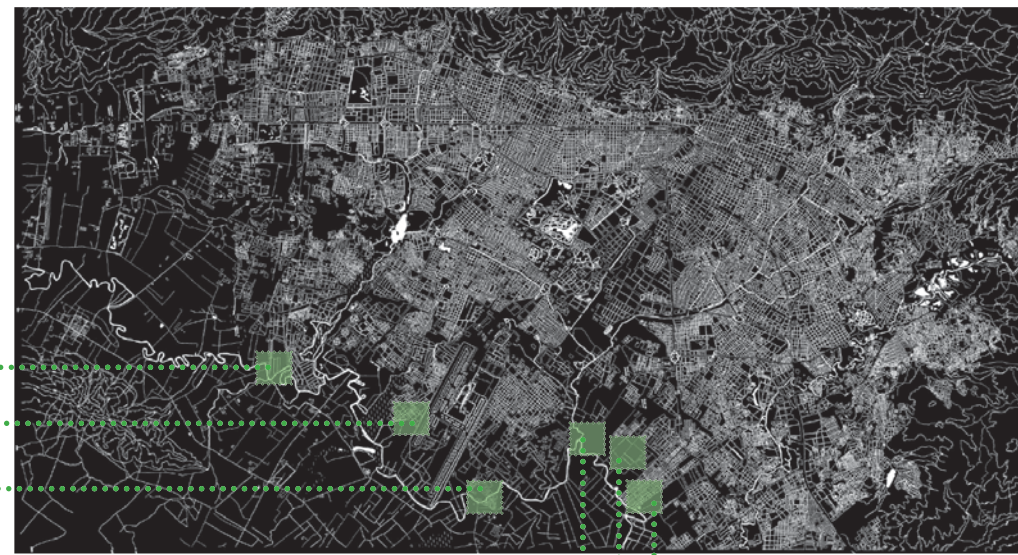
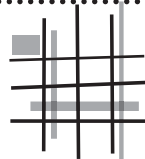
Boundaries

Medium Basin Water as a System

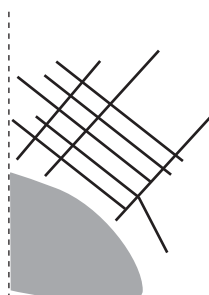
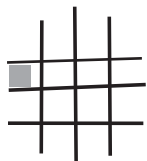
0 1 2 3 4



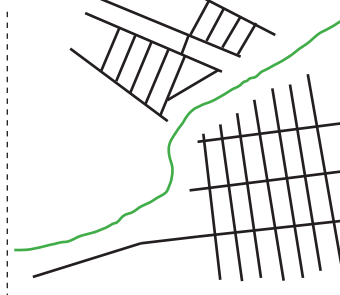
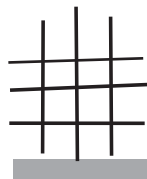
Border tissues of housing without water treatment.
 Low quality of private open spaces also design of public spaces and its relations.
 The green housing has to connect the city, as the mobility.



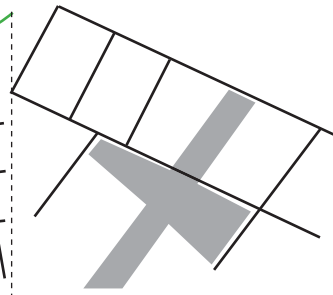
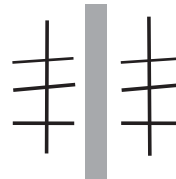
Lateral



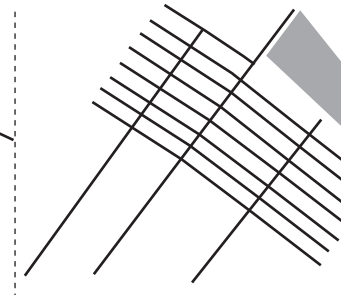
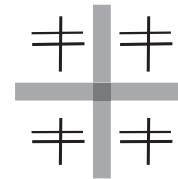
Distant



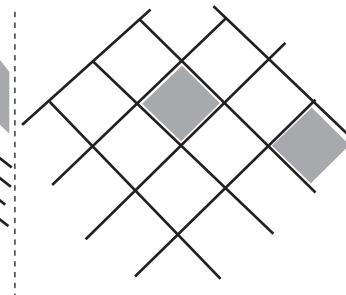
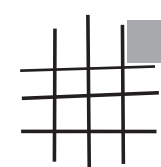
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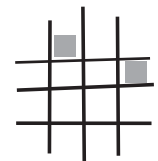
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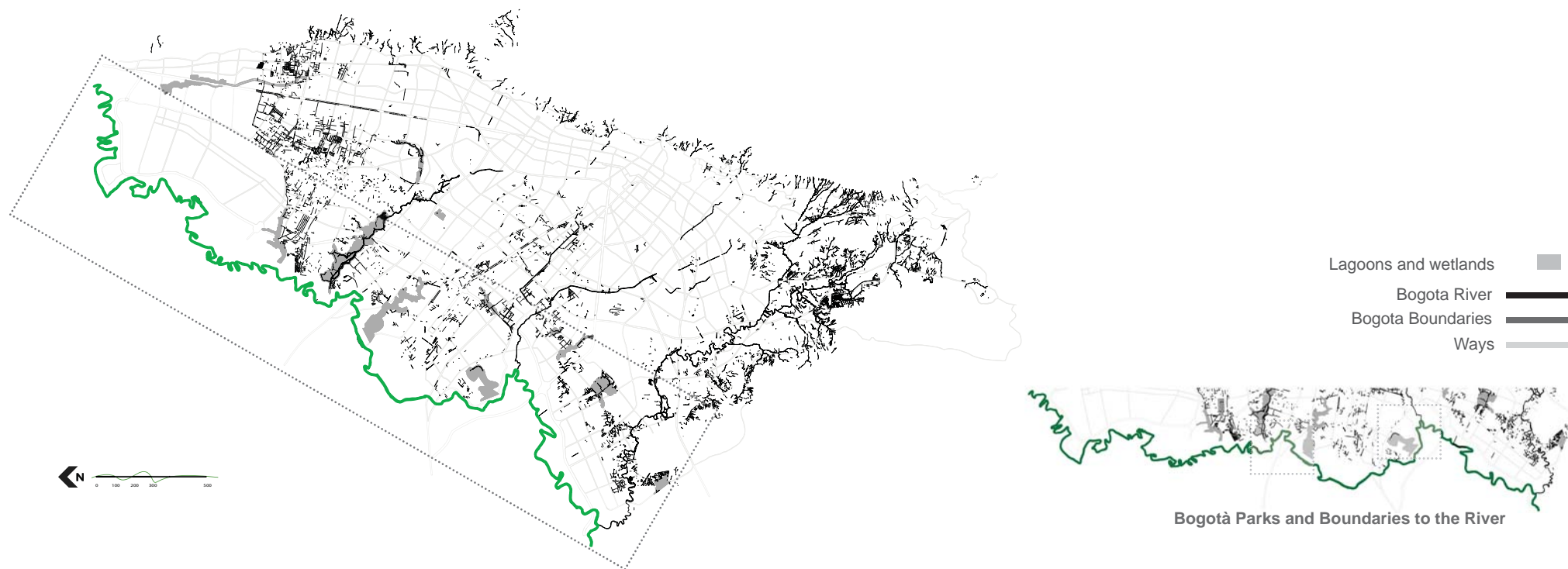


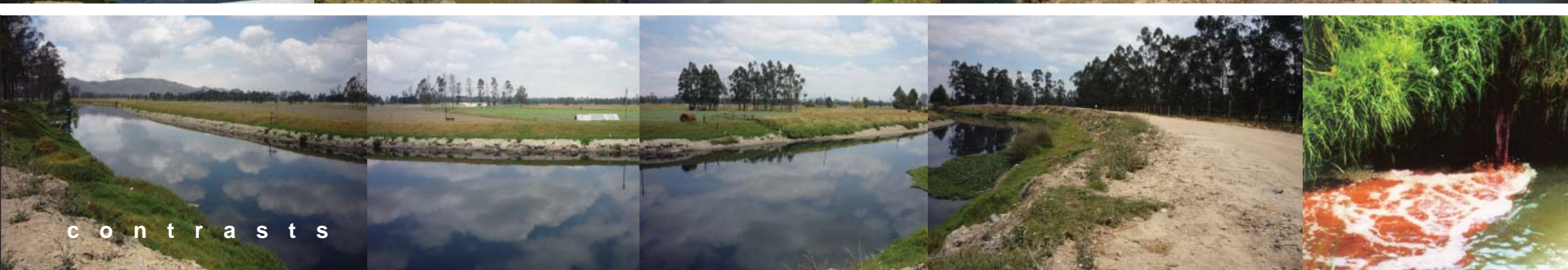
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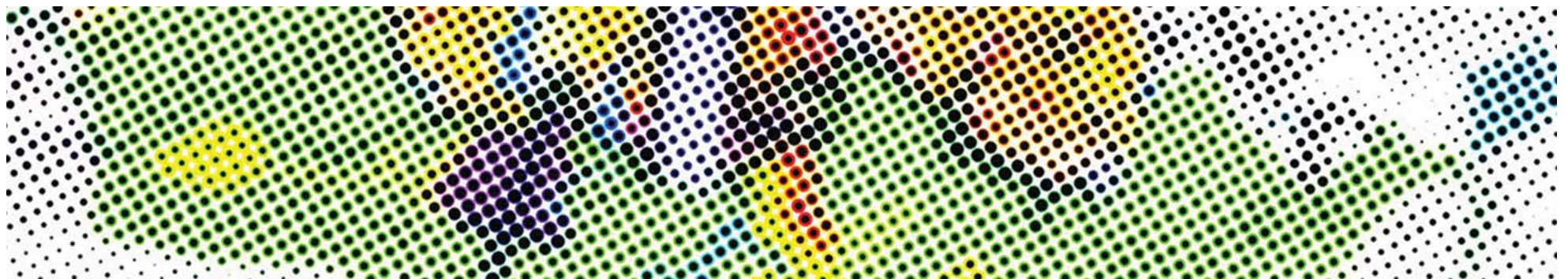
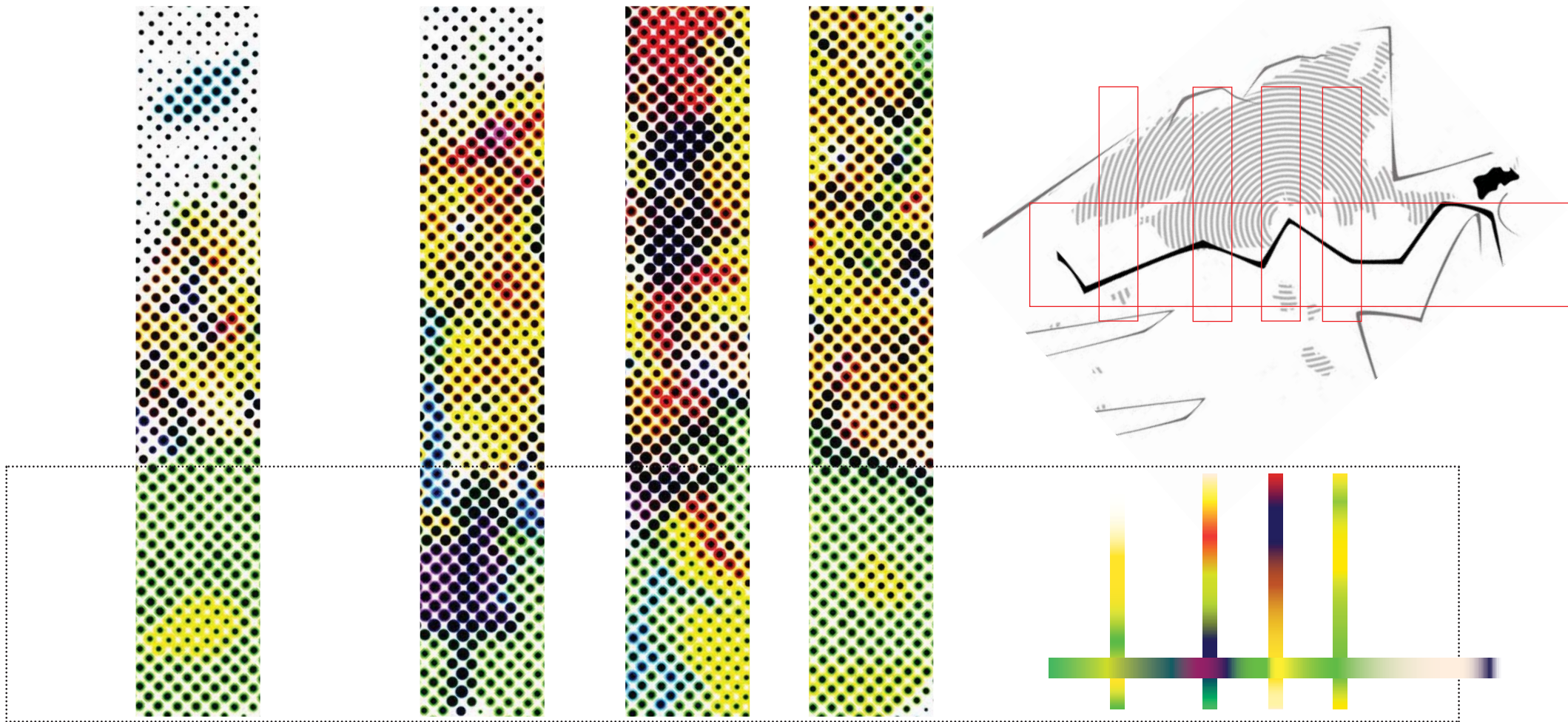


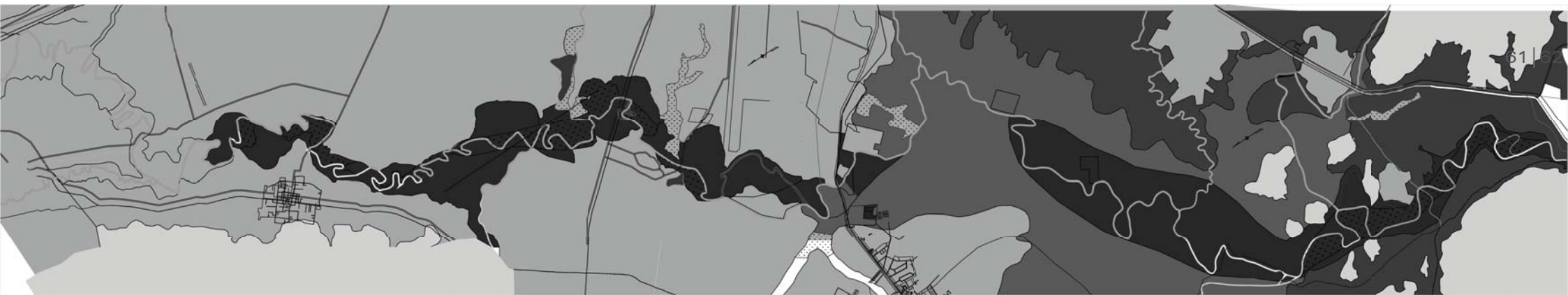
Middle



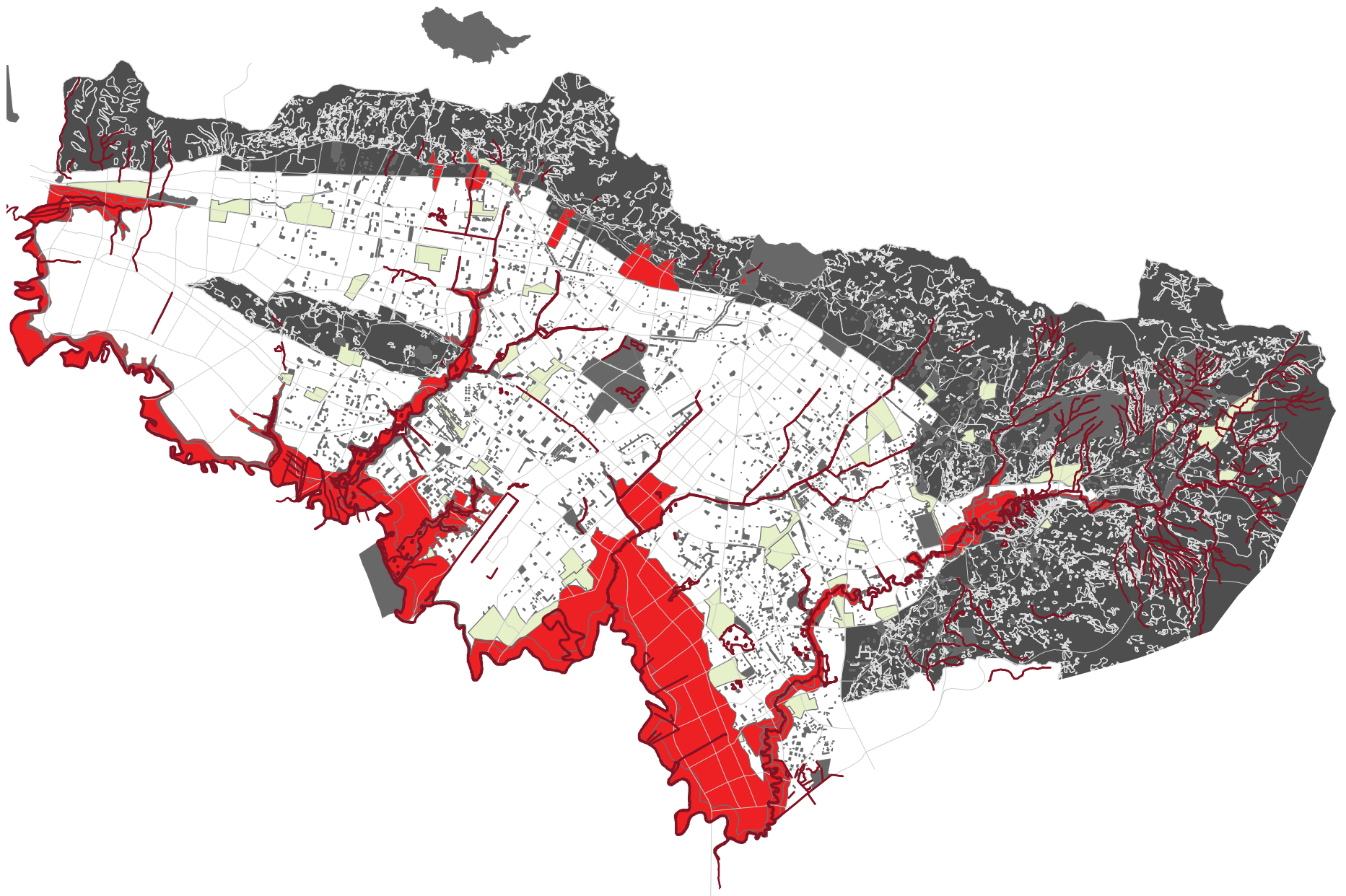




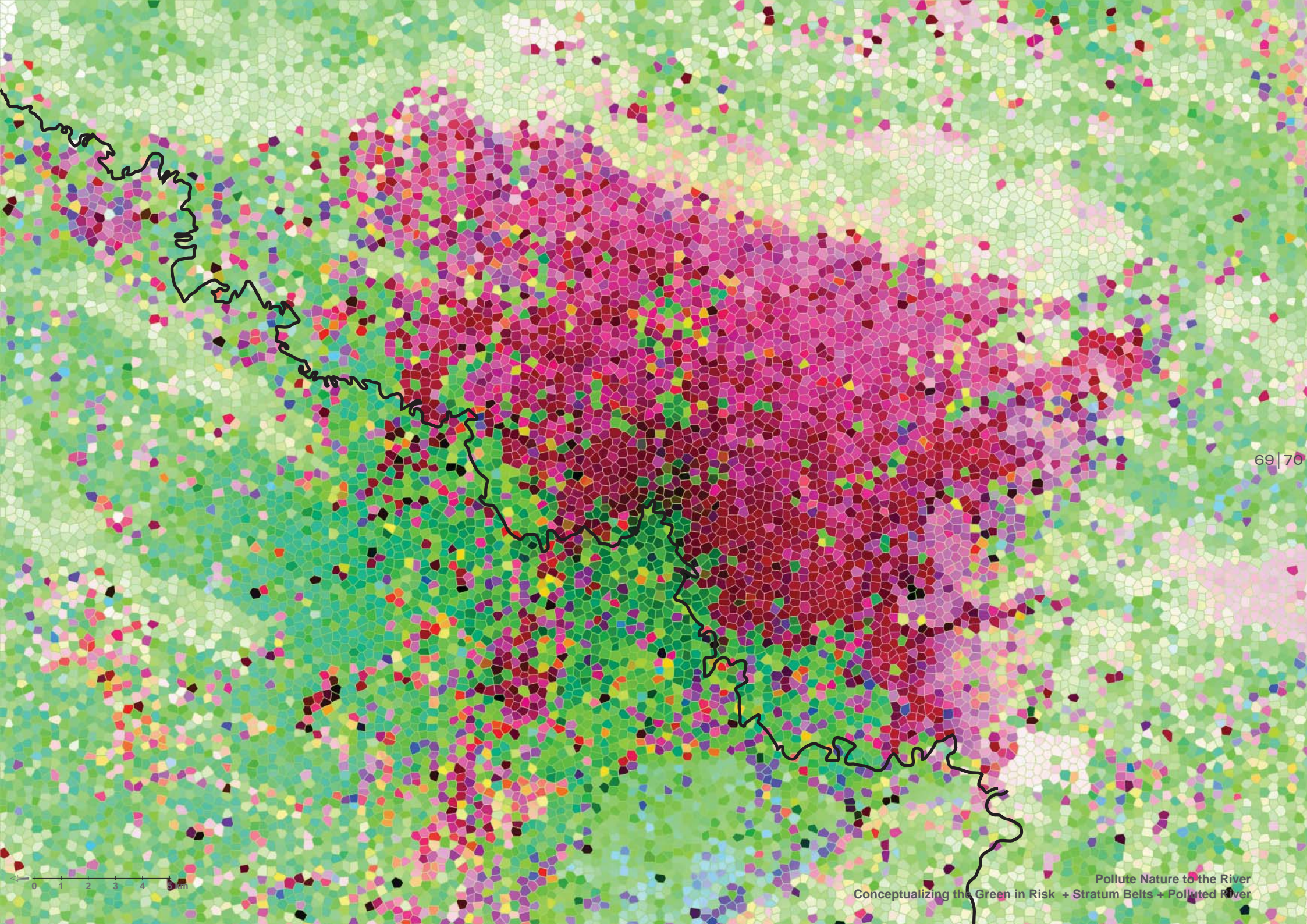




Geology to the River
Humidity Soil - +



0 1 2 3 4 5 km



The path is unfold the situations and folding the geometry, understanding unfold not as the contrary to the fold but as the continuation of his act (Vyzoviti, 2003). It is not an opposite, but rather one step more of the same material, it is the development of the element, the result of more activity, like “after that”, the same element to constitute a variable surface but contents itself.

Understanding the river as a hybrid system, for activities all around, the way to express its expansion is in a parametric system.

Trying to proliferate all activities in a surface and expand it. It is a kind of multidisciplinary geometry.

** Fold: a flexible or an elastic body still has cohering parts that form a fold, such that they are not separated into parts of parts but are rather divided to infinity in smaller and smaller folds that always retain certain cohesion. The fold is always folded into a fold, like a cavern in a cavern the unit of matter. That is why parts of matter are masses or aggregates, as a correlative to elastic compressive force. (Deleuze 1993)*

*** Unfolding is thus not the contrary of folding, but follows the fold up to the following fold. (Deleuze 1993)*



Topology Definition

The strategies of the scenario will be defined by the characterization of the activities identified there, like topological variants, understood through these meanings of Topology*:

- *Network Topology: The configuration of a communication network*
- *Topology, analysis situs: The branch of pure mathematics that deals only with the properties of a figure X that hold for every figure into which X can be transformed with a one-to-one correspondence that is continuous in both directions*
- *Topographic anatomy, Topology: the study of anatomy based on regions or divisions of the body and emphasizing the relations between various structures (muscles and nerves and arteries etc.) in that region*
- *Topology : topographic study of a given place (especially the history of place as indicated by its topography)*

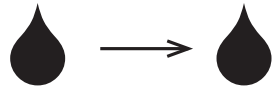


Scenario Development

Scenario in Detail



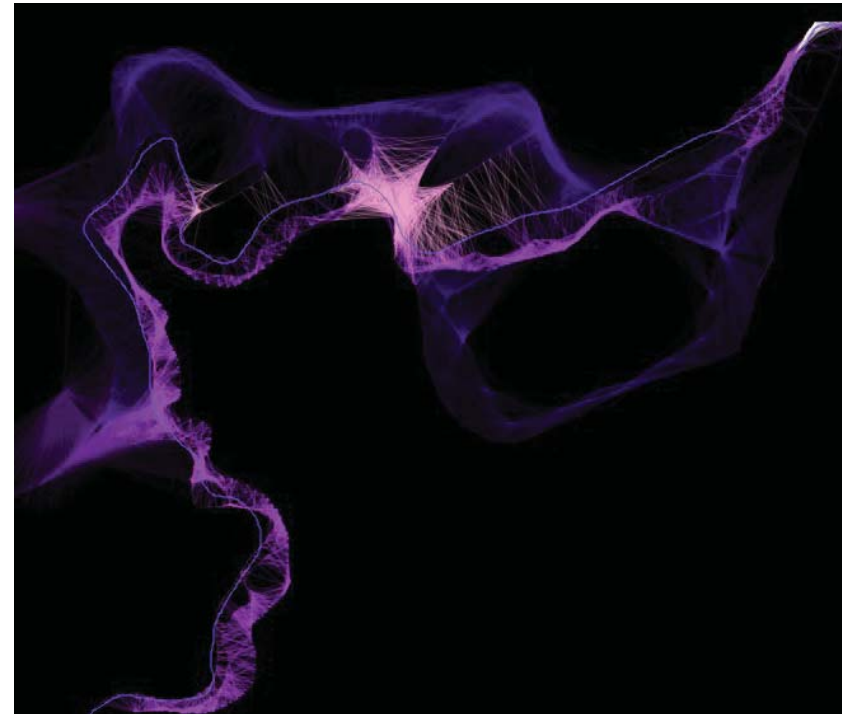
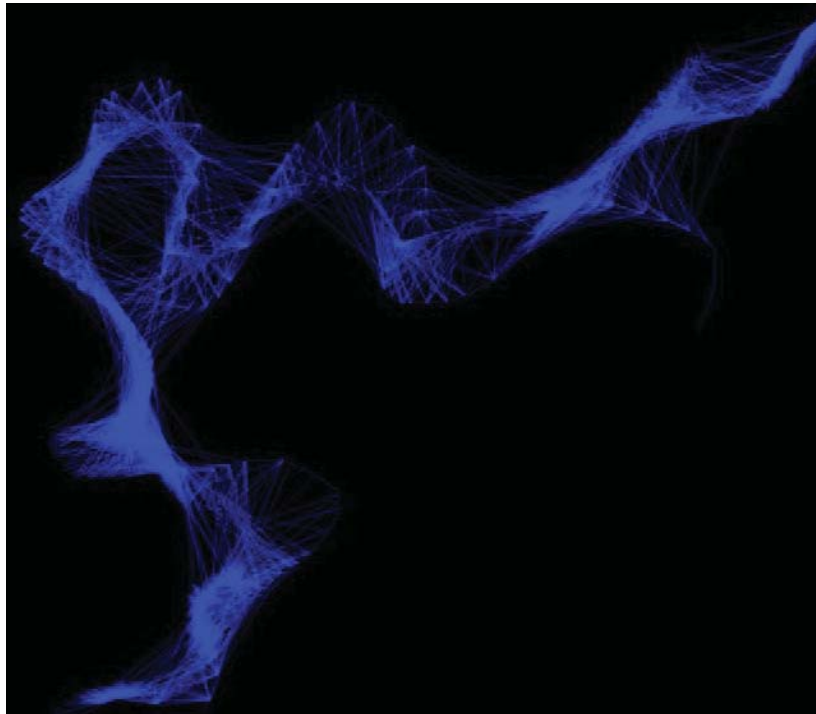


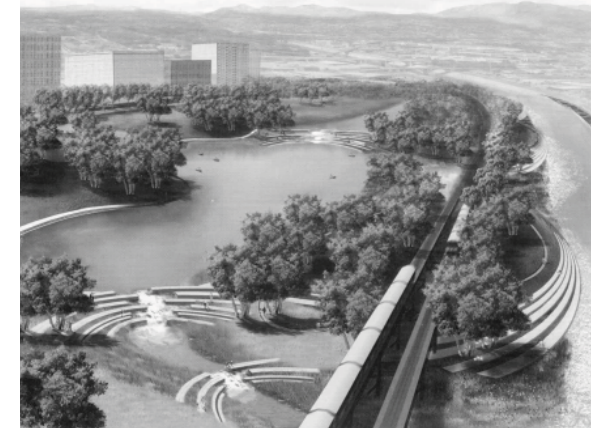
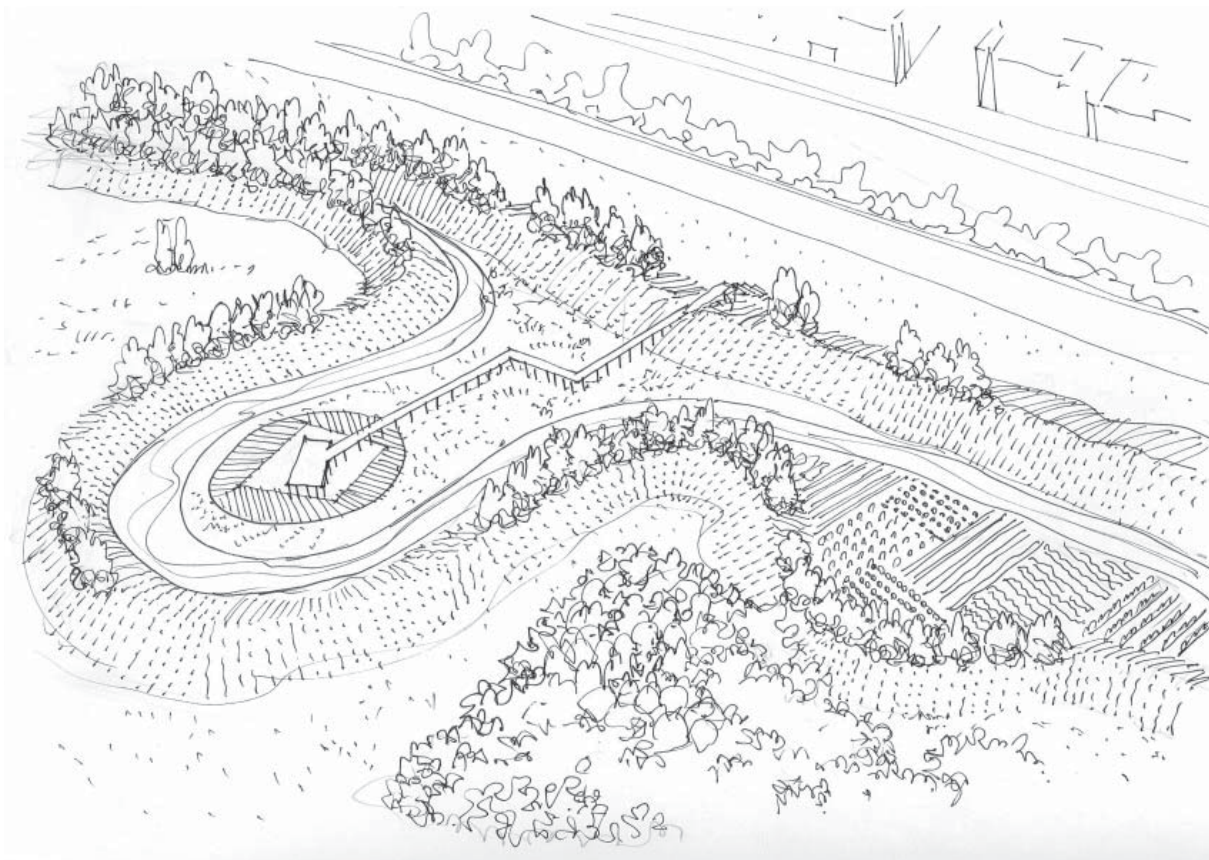


Park Topologies

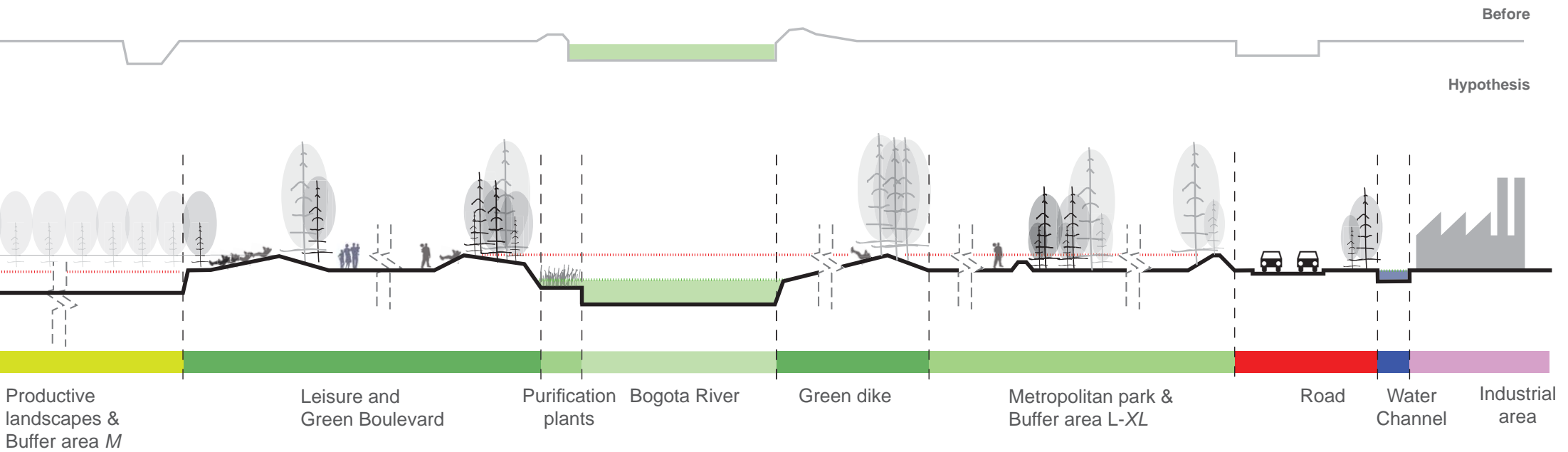
The park is divided into two areas for the water management in floods, but the activities are still taking place throughout the park. unfold green means create different ways to fill the open space, following a pattern of leisure activities in the areas around the park, it creates a mesh to be developed. Thus the creation of a permanent green field is to be managed from the perspective of the relations in the continuous space.

The program is comprised by a pattern of activities located in the park, also with activities occurred open spaces around it, the joint, will show some points that stand out more than others in the resulting test of tensions, then will occur the actions in greatest demand.



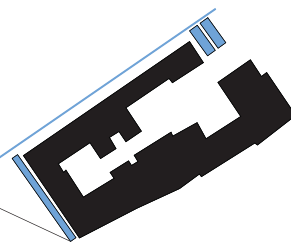
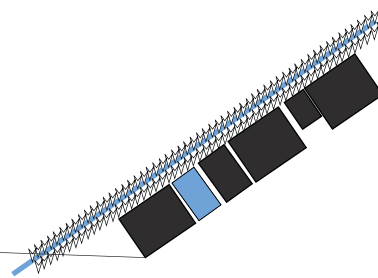
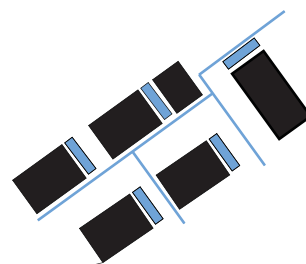


CASE STUDY Los Angeles River

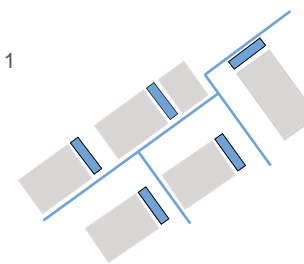




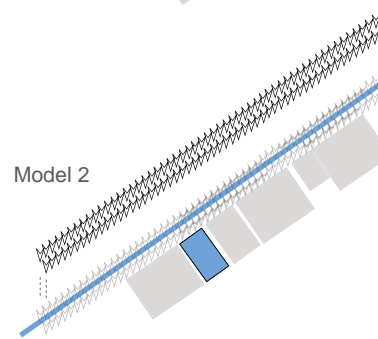
CASE STUDY *Industrial Area . Venice*



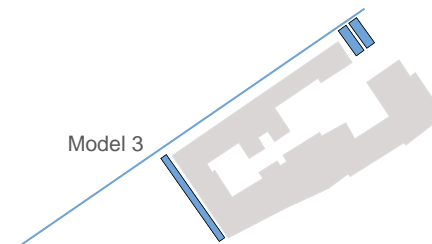
Model 1

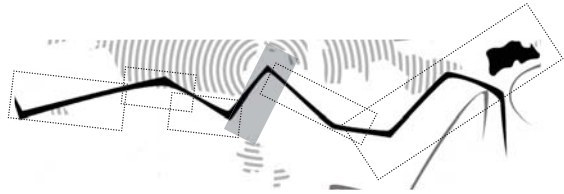


Model 2



Model 3





- Retention: maximize surface water capacity and storage for dry seasons.
- Flooding control in wet seasons and managing Flood Risks.
- Park as an economic mechanism, programmed for use as a recycling place where communities of the river border can find opportunity to work at a recycling industry.

Park Topologies

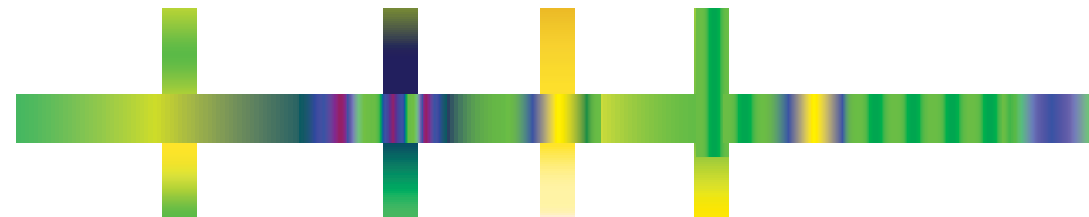


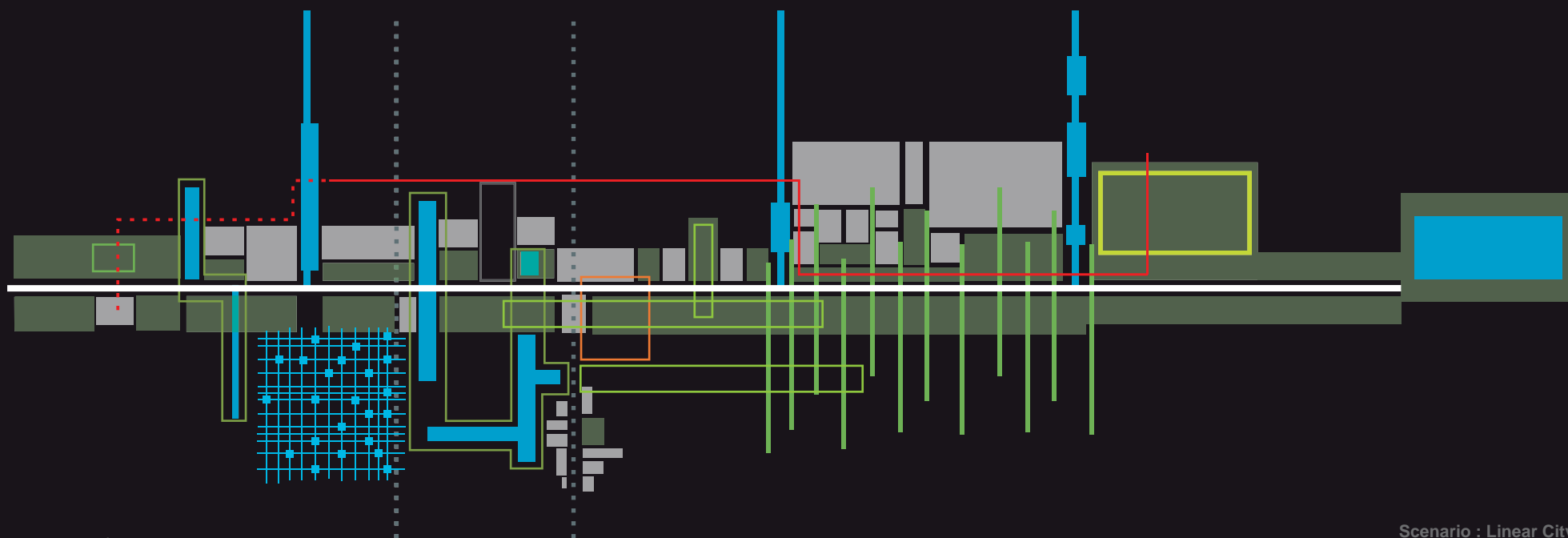
- Social improvement of the poorest parts of the city; People from stratus 1-2 are the largest demographic group that uses the public infrastructures such as libraries and parks.
- Learning from the water. Create a tourist corridor in the technical areas of water management, a learning process from the inhabitants.
- Reuse the abandoned Industrial facilities in the corridors and link with the tourist areas, in order to create an industrial landscape associated with the water.

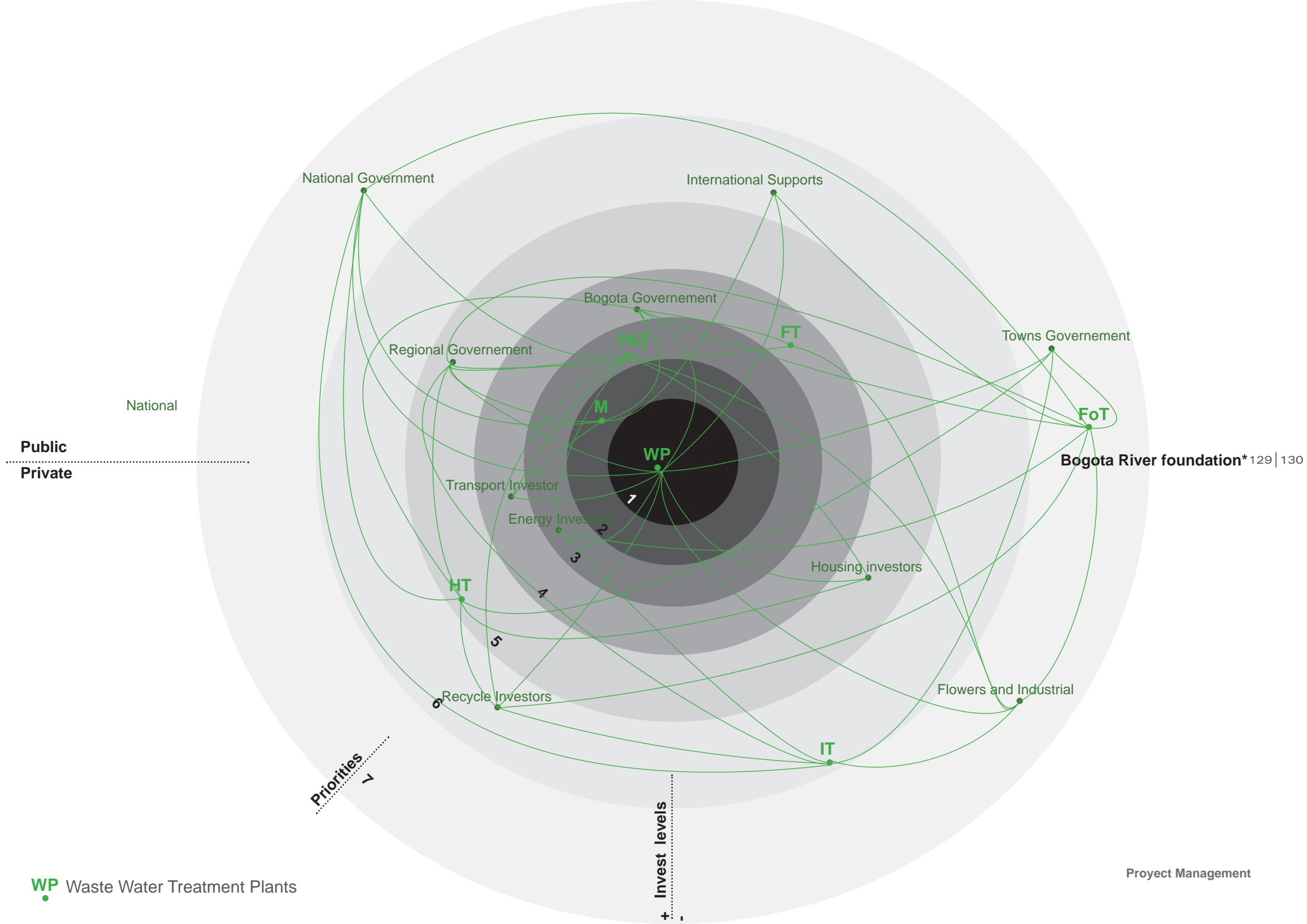
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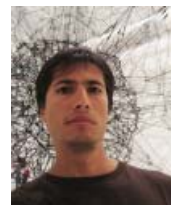


Uses After









ivandsolanod@gmail.com