

MOVING THROUGH TRANSITIONS

Deft

A strategic urban design framework including the spatial conditions for a competitive environment

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1.1 INTRODUCTION



1.1 MOTIVATION

	Rank (out of 28)	Score (1-7)
Europe 2020 Index (2014 edition)	24.	3.9
Europe 2020 Index (2012 edition)	n/a.	4.0
Smart growth		3.7
Enterprise environment		3.3
Digital Agenda		
Innovative Europe		3. <mark>2</mark>
Education and training	25 .	4. <mark>4</mark>
Inclusive growth		3.8
Labour market and employment		3.4
Social inclusion		
Sustainable growth	<mark>1</mark> 5 .	4.7
Environmental sustainability	15 .	4.7

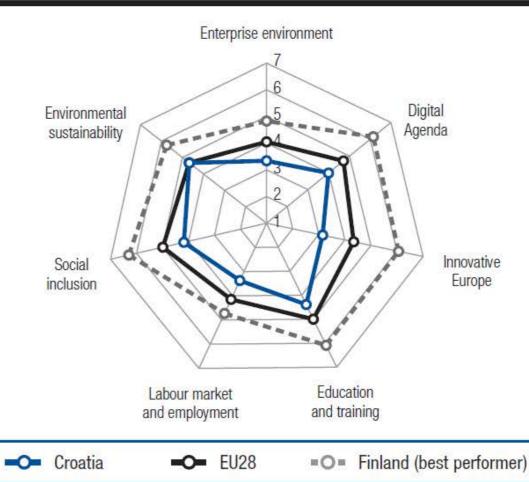


Figure 1 The benchmarking of Croatia with the performance indicators from the Europe 2020 strategy (Source : The Europe 2020 Competitiveness Report, © 2014 World Economic Forum)

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Croatia

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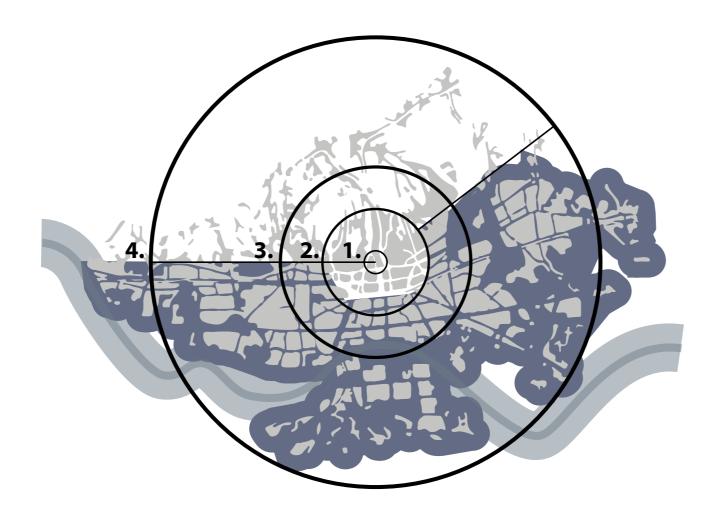
1.2 PROBLEM FIELD



Figure 5: The power of four different actors in space during three socio-political times and the impact on the urban environment (Source: Image based on the article from Zlatar, 2014)

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1.2 PROBLEM FIELD



PROBLEM STATEMENT

The context of a Post-Socialist transition and war conflict has lead to a weakened spatial governance system which enabled a negative impact on the urban environment containing negative spatial externalities, which prevent the agglomoration of Zagreb in gaining competitive advantages.

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1.3 RELEVANCE





2.0 RESEARCH



2.1 RESEARCH QUESTION

MAIN QUESTION

Which planning framework can consider the conditions for a competitive environment so that the third and fourth ring can be integrated into the metropolitan structure of Post-Socialist Zagreb using the four main theories on spatial competititveness



2.2 METHODOLOGY

Spatial Conditions Planning requirements 2. Land-use plans 2. Classic theory Cluster theory 1. Sectoral plans 1. 3. Soft theory 4. Network theory 3. Physical plans 4. Strategic plans **SELECTION OF CONDITIONS SELECTION OF REQUIREMENTS Case Studies** 1. 2. 3. **ANALYTICAL FRAMEWORK Planning Review Spatial Analysis** Constraints and potentials

THEORETICAL FRAMEWORK







3.0 THEORY



3.1 DEFINITION

DEFINITION BY THE EU COMPETITIVENESS REPORT

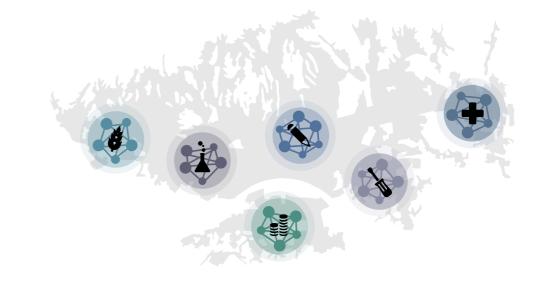
Regional competitiveness can be defined as the ability to offer an attractive and sustainable environment for firms and residents to live and work (Dijkstra et al., 2011).



3.2 THE FOUR MAIN THEORIES



CLASSIC THEORY



CLUSTER THEORY



SOFT CONDITIONS THEORY



NETWORK THEORY



3.3 TAILOR MADE PLAN



CLASSIC THEORY

PRODUCTIVE SPACE

ECONOMIC FOCUS







SUSTAINING SPACE

SOCIAL & ENVIRONMENTAL FOCUS





ENABLING SPACE



INNOVATIVE SPACE

ECONOMIC FOCUS

SOCIAL FOCUS







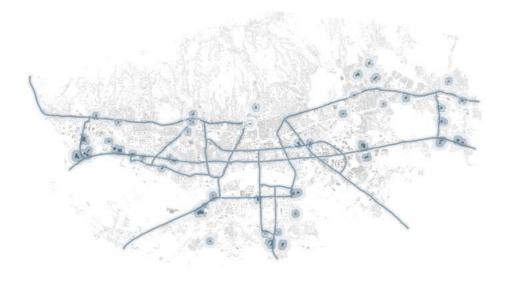
CULTURE AND LEISURE AMENITIES

4.0 SPATIAL ANALYSIS

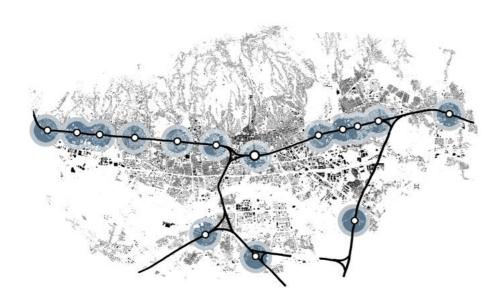




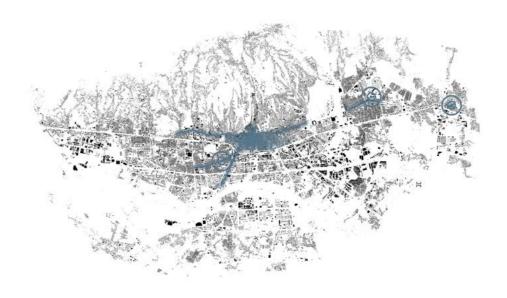
4.1 CLASSIC THEORY



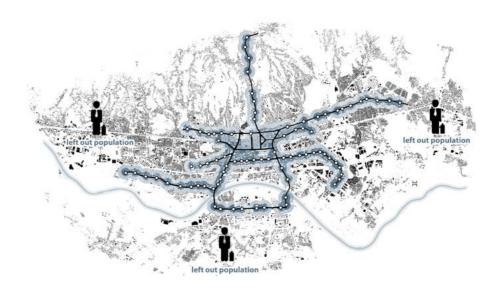
CAR INFRASTRUCTURE



TRAIN INFRASTRUCTURE



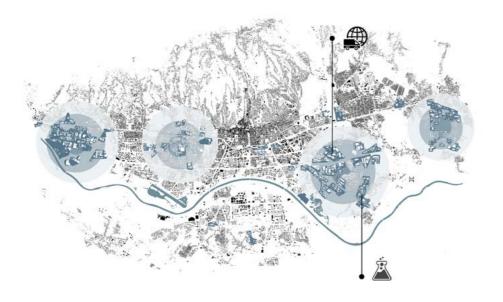
MIXED USE DEVELOPMENT



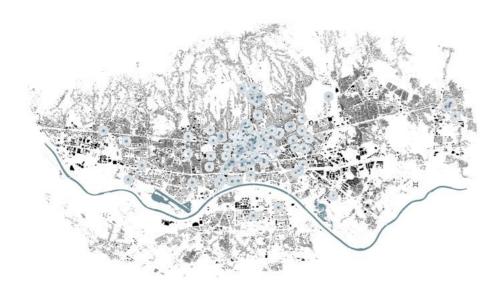
TRAM INFRASTRUCTURE



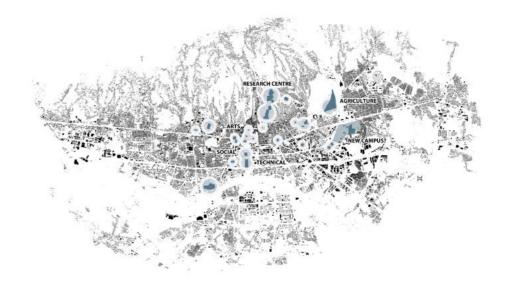
4.2 CLUSTER THEORY



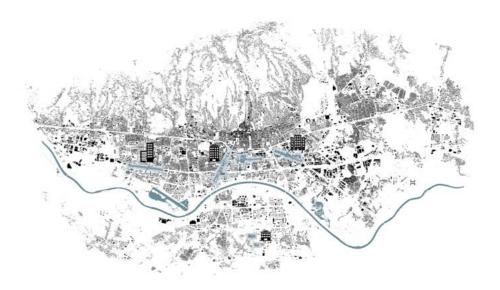
INDUSTRY CLUSTERS



KNOWLEDGE INSTITUTIONS



KNOWLEDGE CLUSTERS



OFFICE CLUSTERS





4.3 NETWORK AND SOFT THEORY

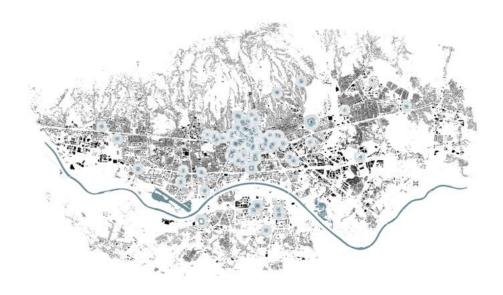


LOCAL NETWORKS



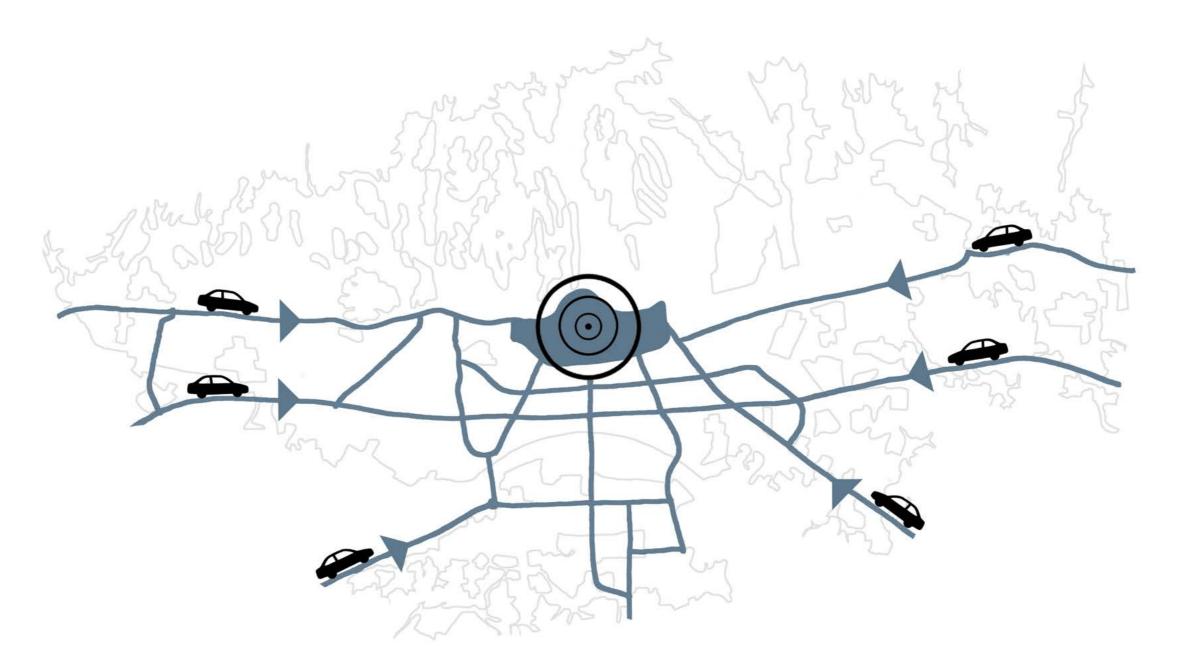


GREEN SPACE



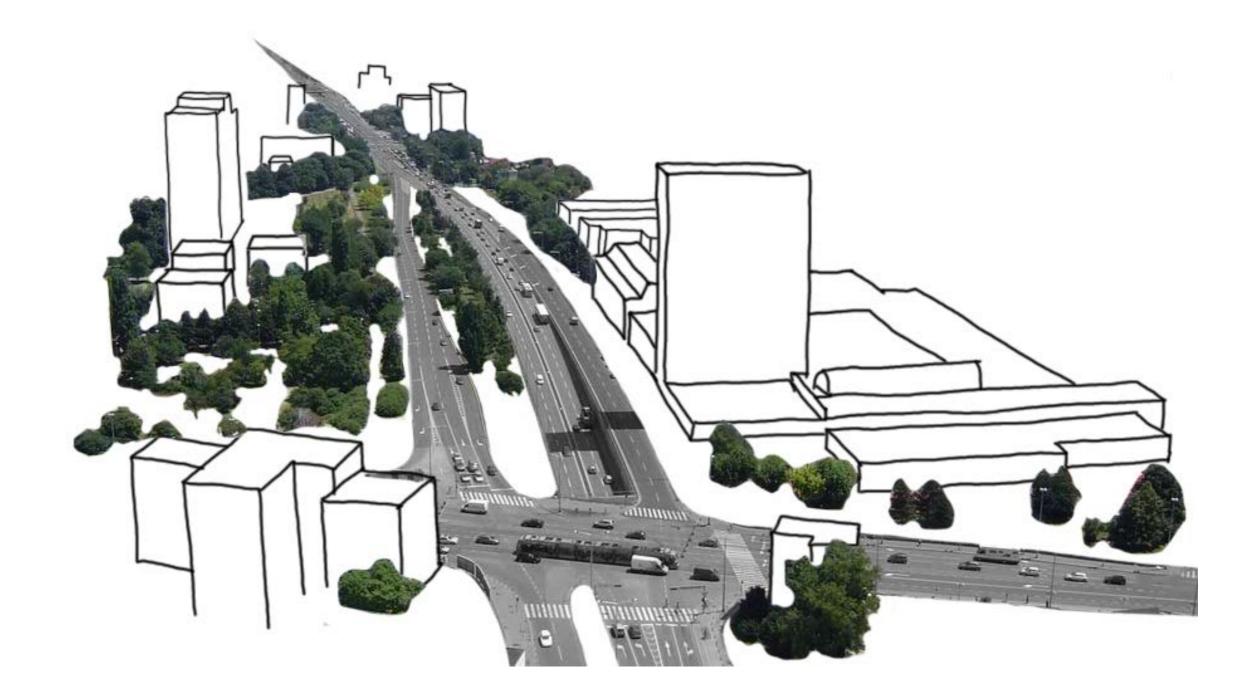
CULTURAL AMENITIES





A CAR DOMINATED MONOCENTRIC CITY



















CONGESTION



MONOFUNCTIONAL DEVELOPMENTS







SEPERATED KNOWLEDGE INSTITUTIONS



ISOLATED INDUSTRIES

NETWORK THEORY



AUTOMOBILE DOMINATED PUBLIC SPACE



GREEN REST SPACE

MONOCENTRIC CITY



5.0 CASE STUDIES



European Cities & Regions of the Future 2014/15

Financial Times group, fDi Magazine 2014





5.1 THREE CITIES





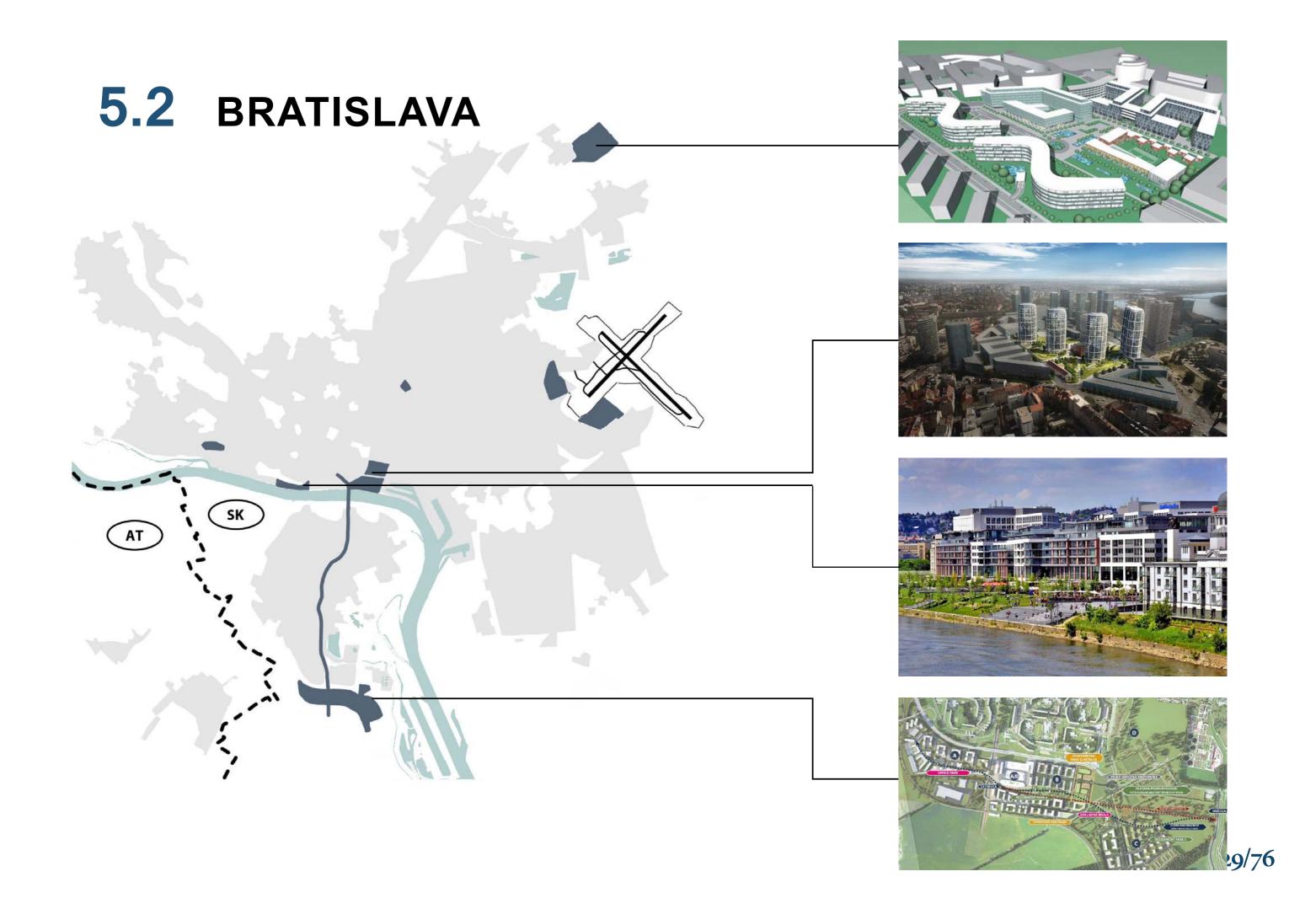


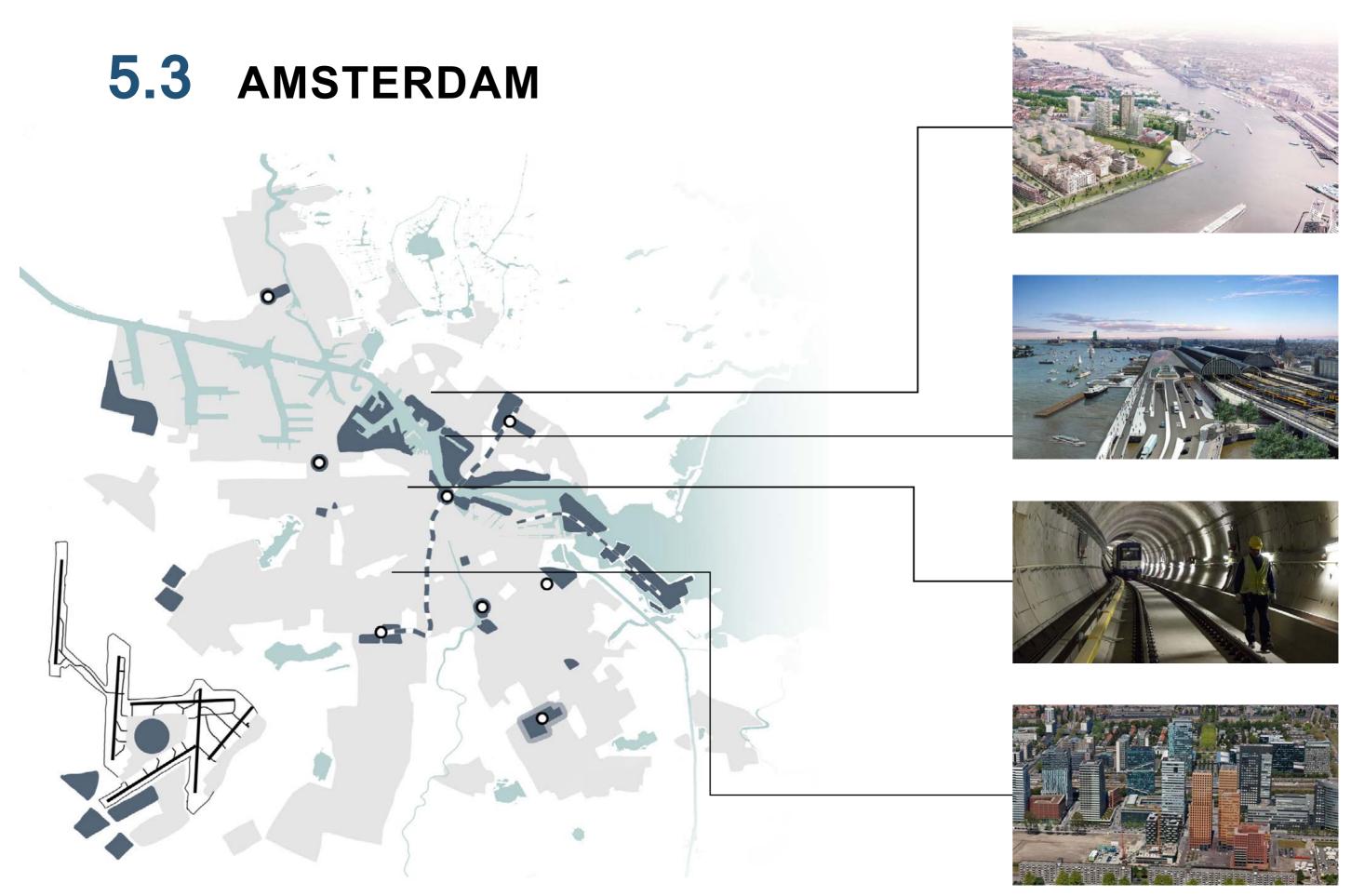


AMSTERDAM

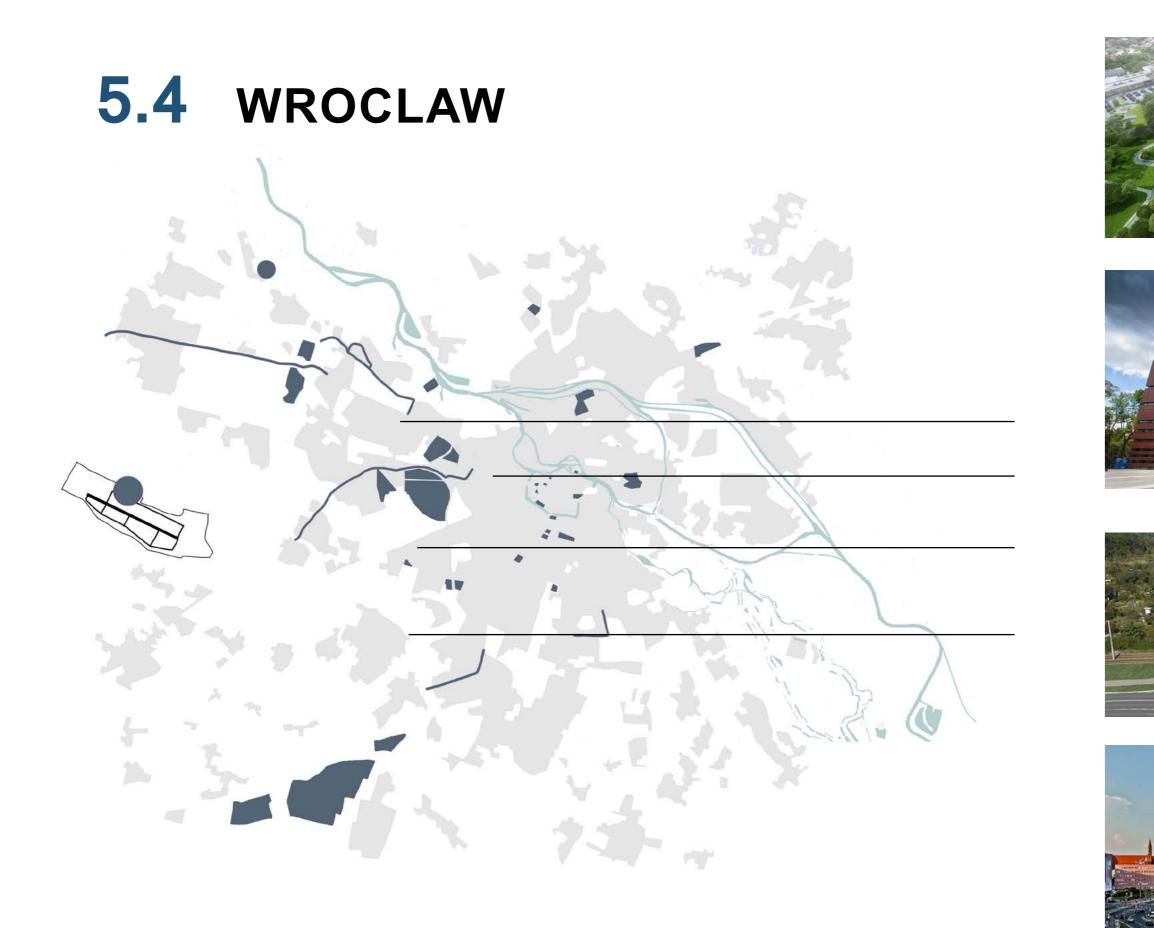
1 200 000

















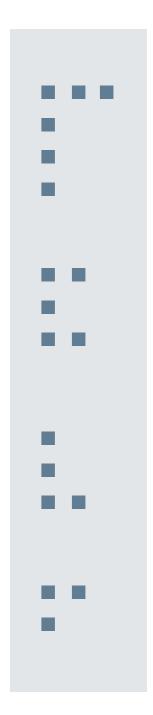




Policy Focus	BRATISLAVA	WROCLAW	AMSTERDAM
Classic theory			
Car infrastructure			
Public transport			
Densification	1 C C C C C C C C C C C C C C C C C C C		
Mixed-use environments			
Cluster Theory			
Business Districts			
Knowledge Clusters	1 C C C C C C C C C C C C C C C C C C C		
Industry Clusters			
Soft conditions Theory			
Pedestrian & Bicycle possibilities			
Culture and Leisure activities			
Parks and Nature			
Network Theory			
Global Airport connectivity			
Local Public space for interaction			

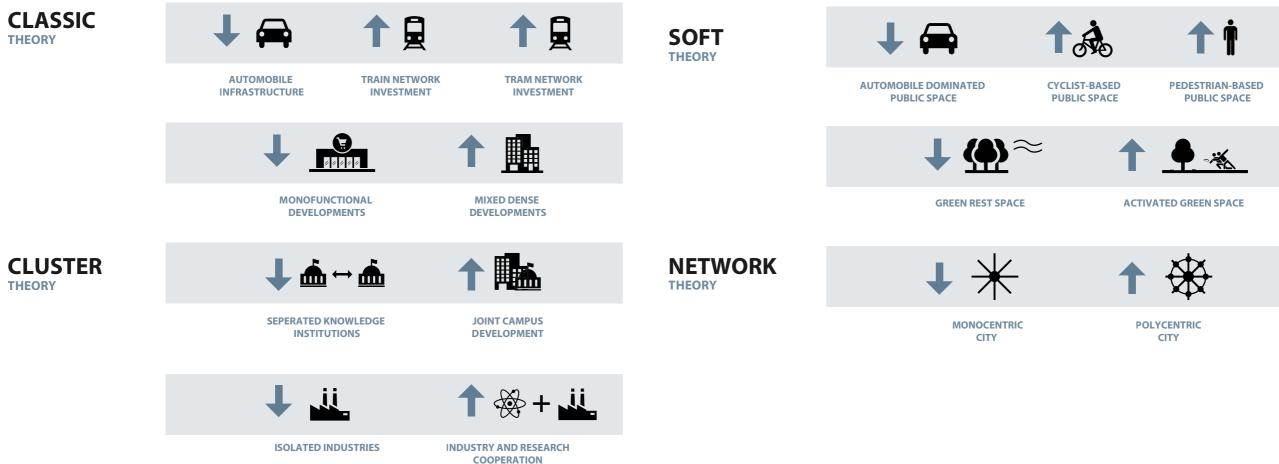
11th City Competitiveness citigroup 2012

ZAGREB





5.6 POLICY RECOMMENDATIONS



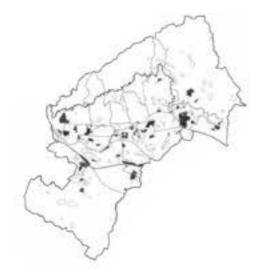


6.0 PLANNING REVIEW





6.1 REVIEW









PHYSICAL PLANNING LAND-USE PLANNING SECTORAL PLANNING S

STRATEGIC PLANNING



6.2 INTERVIEWS AND STAKEHOLDER REVIEW

"Visualisations are mostly only used when there already is a suitable investor. They are not used to attract them and then it limits itself to local plans. Attractive visualisations and visioning on a metropolitan scale does not exist in Croatia. "

(Jesenko Horvat, Urban Design, University of Zagreb Faculty of Architecture, 2016)





6.2 INTERVIEWS AND STAKEHOLDER REVIEW

"Regional strategic planning is not coordinated with with physical planning. There are enormous coordination problems. "

(Nives Mornar, Spatial planning office Zagreb, 2016)





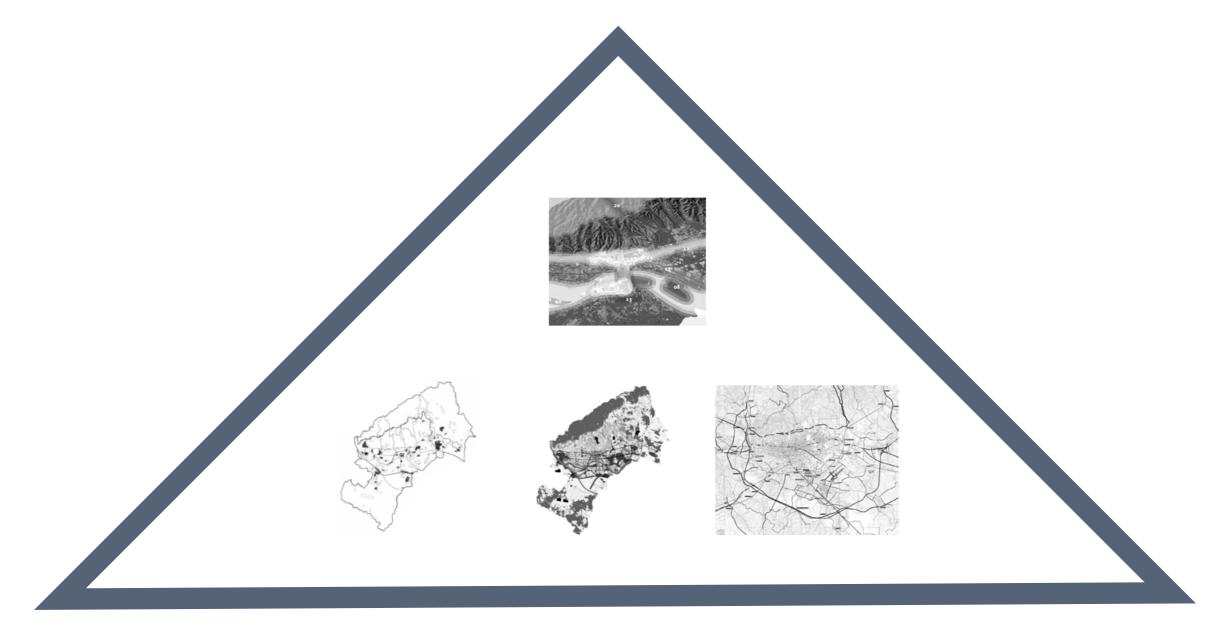
6.3 CONCLUSION







STRATEGIC PLANNING & VISIONING



PHYSICAL SECTORAL LAND-USE PLANNING

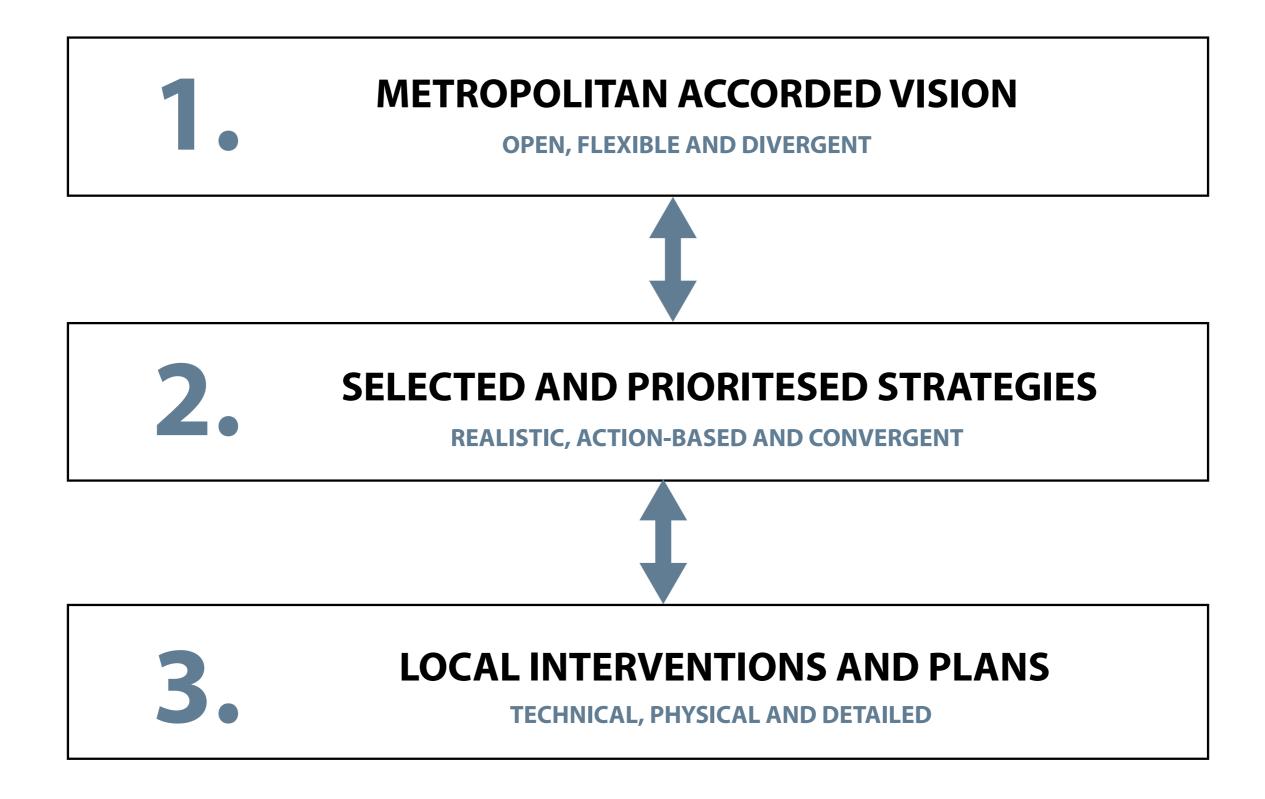




7.0 STRATEGIC FRAMEWORK

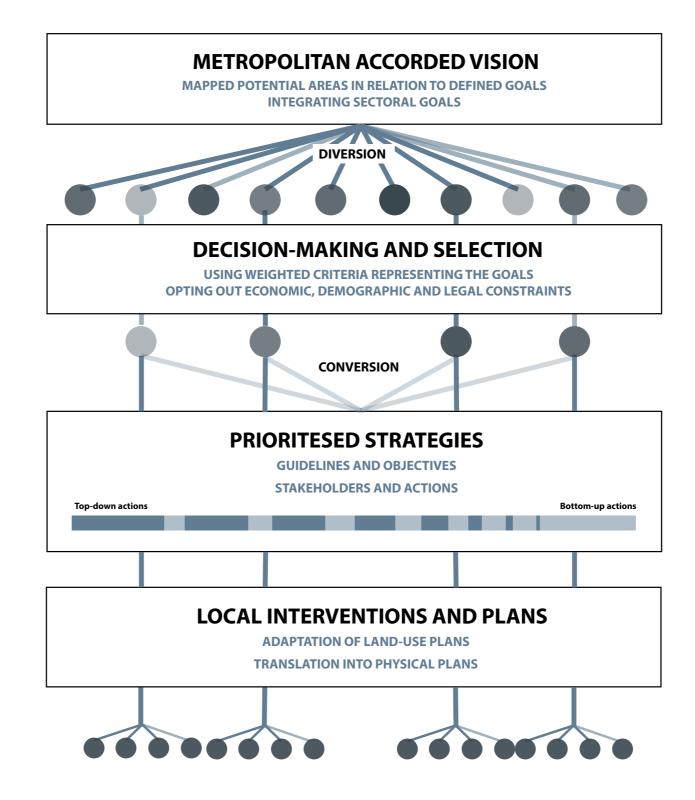


7.1 THREE SCALES FRAMEWORK



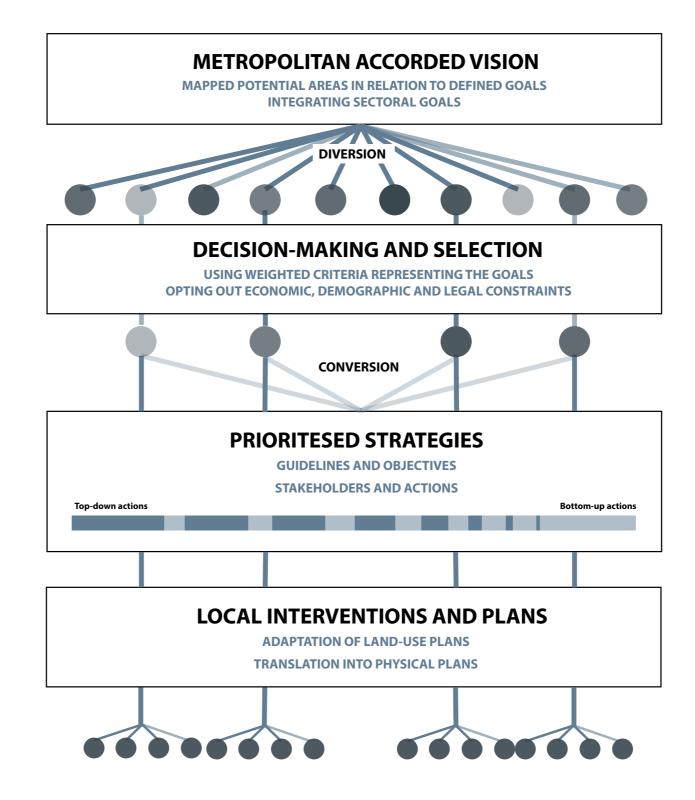


7.2 FRAMEWORK





7.2 FRAMEWORK







7.3 GOALS

GOAL

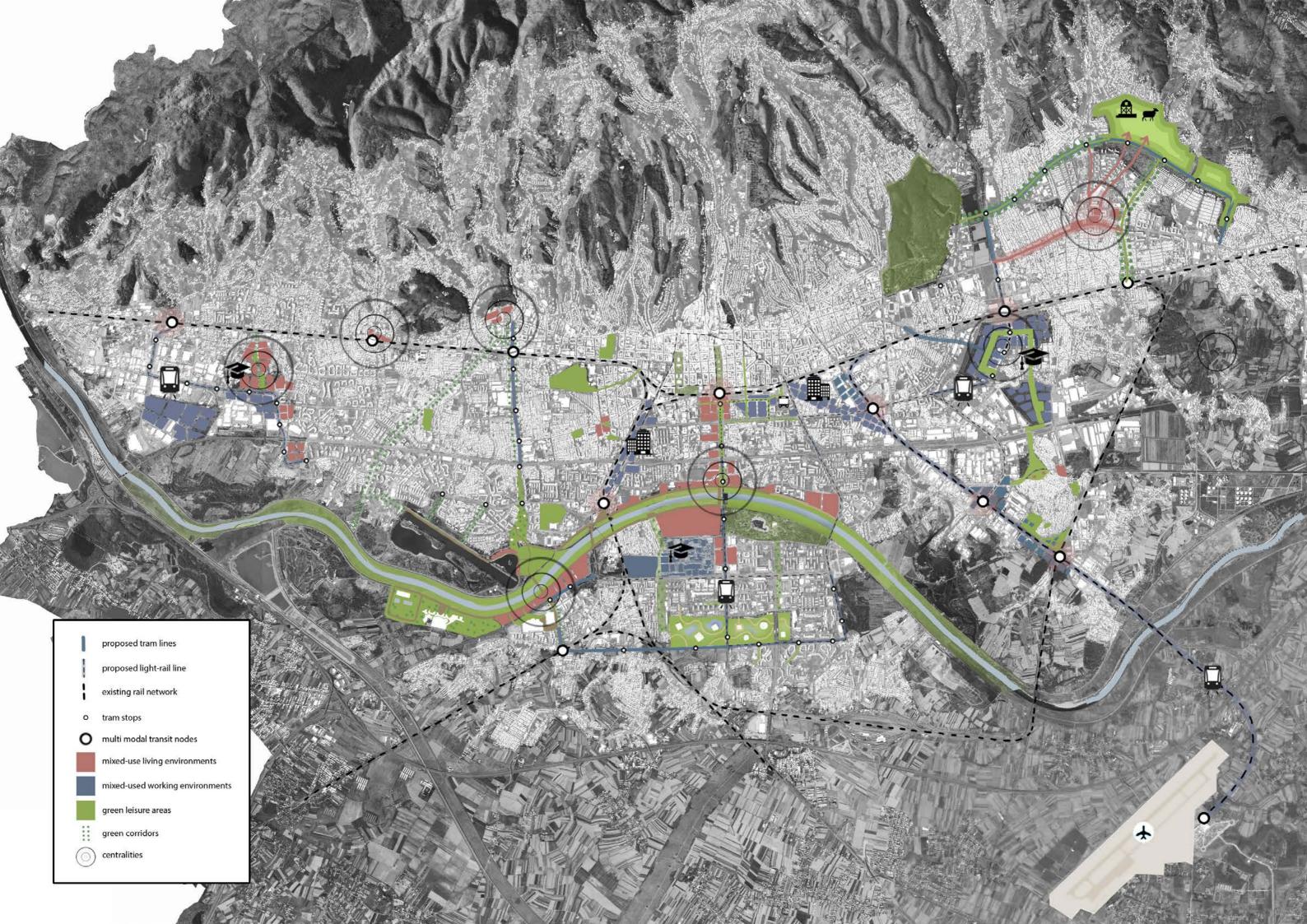
Increasing the spatial competitive position of the Metropolitan Area of Zagreb within the European Union

SUB GOALS

Investment in hard conditions in terms of public transport and creating dense mixed-use environments

- Strengthening knowledge, busniness and industry clusters and making their further growth possible
- Activating green structures and investing in culture and leisure
- Setting the right conditions for the growth a polycentric structure with public space for interaction



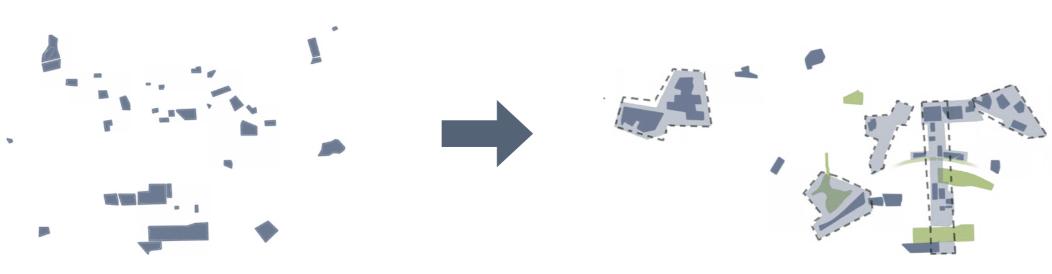




7.5 CURRENT PRACTICE

PROJECTS

AREAS & NETWORKS

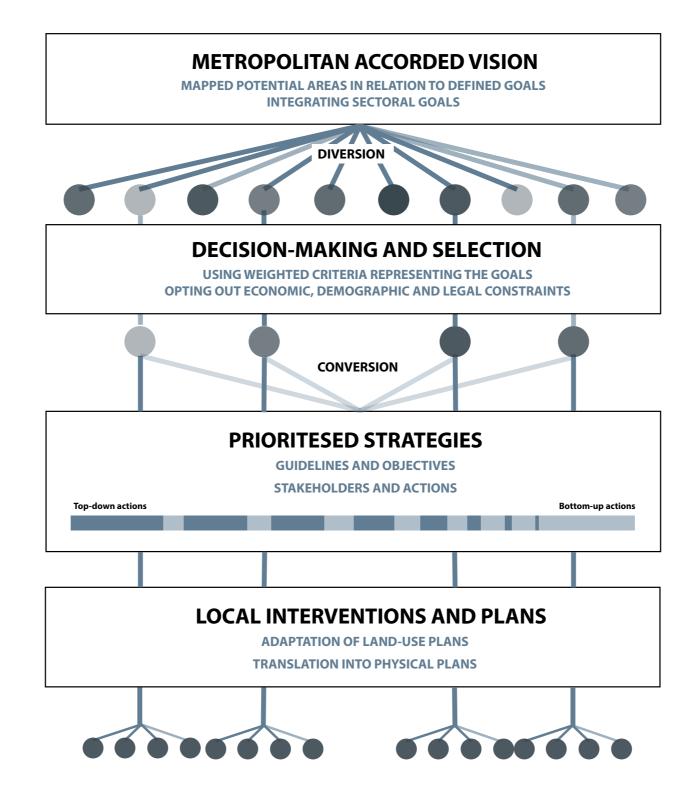








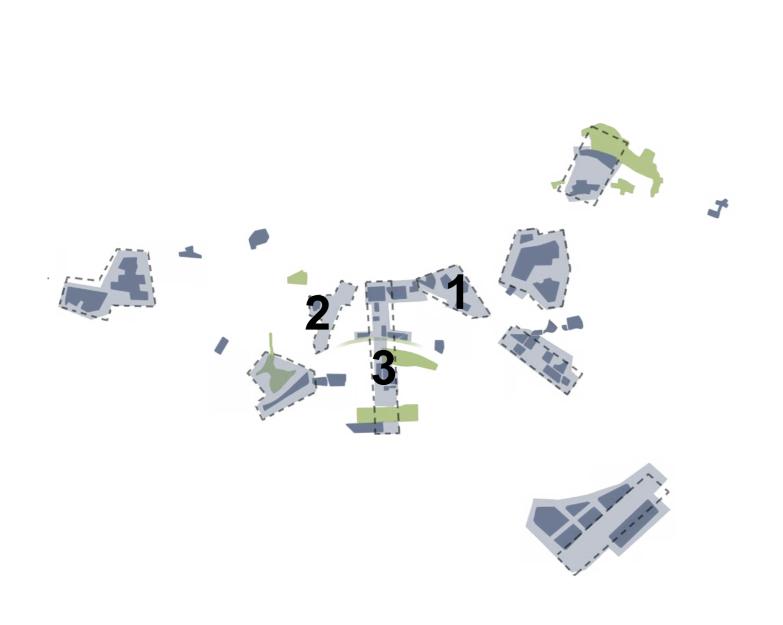
7.6 DECISION MAKING







7.6 DECISION MAKING

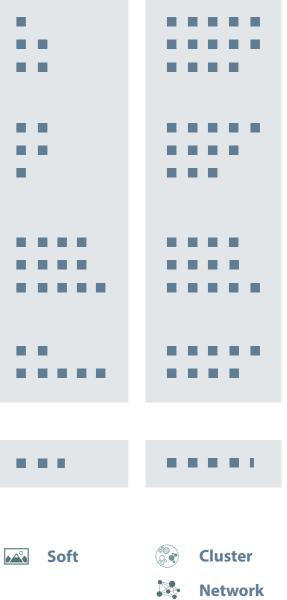


GOAL: Increasing the spatial competitive position of the Metropolitan Area of Zagreb within the European Union

CRITERIA	AREA 1
Classic theory	
Public transport infrastructure	
Densification	
Mixed-use environments	
Cluster Theory	
Business Districts	
Knowledge Clusters	
Industry Clusters	
Soft conditions Theory	
Pedestrian & Bicycle possibilities	
Culture and Leisure activities	
Parks and Nature	
Network Theory	
Polycentric city structure	
Local Public space for interaction	
TOTAL	
STRATEGY	Cluster
JINALOI	Uustel
	Classic

AREA 2

AREA 3

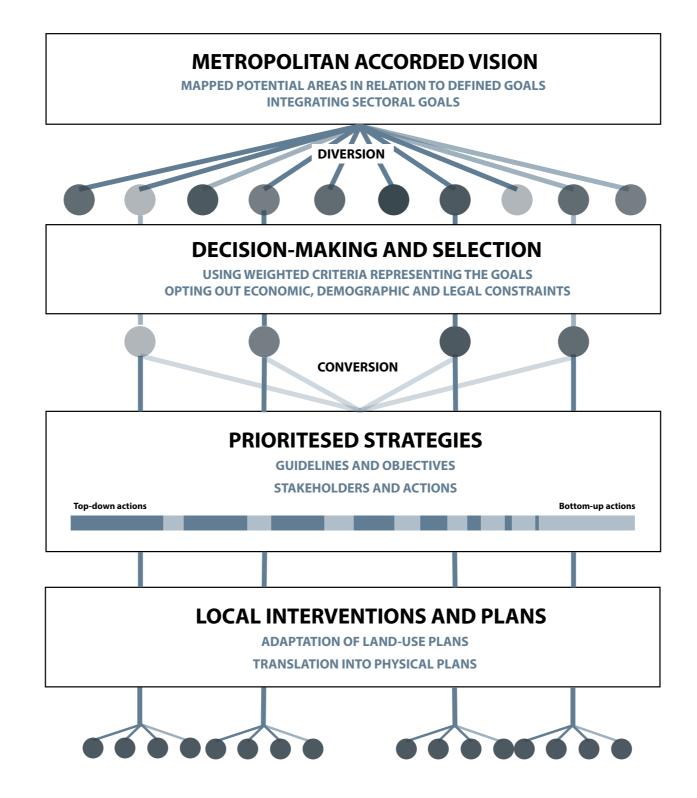








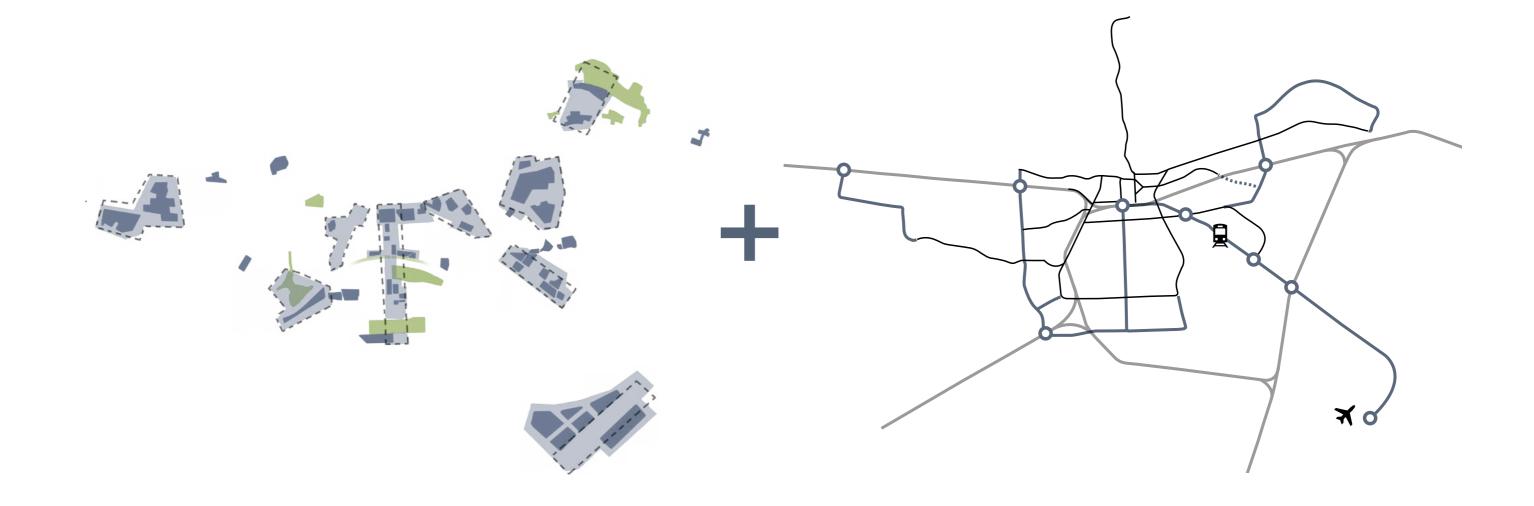
7.7 PRIORITISING STRATEGIES



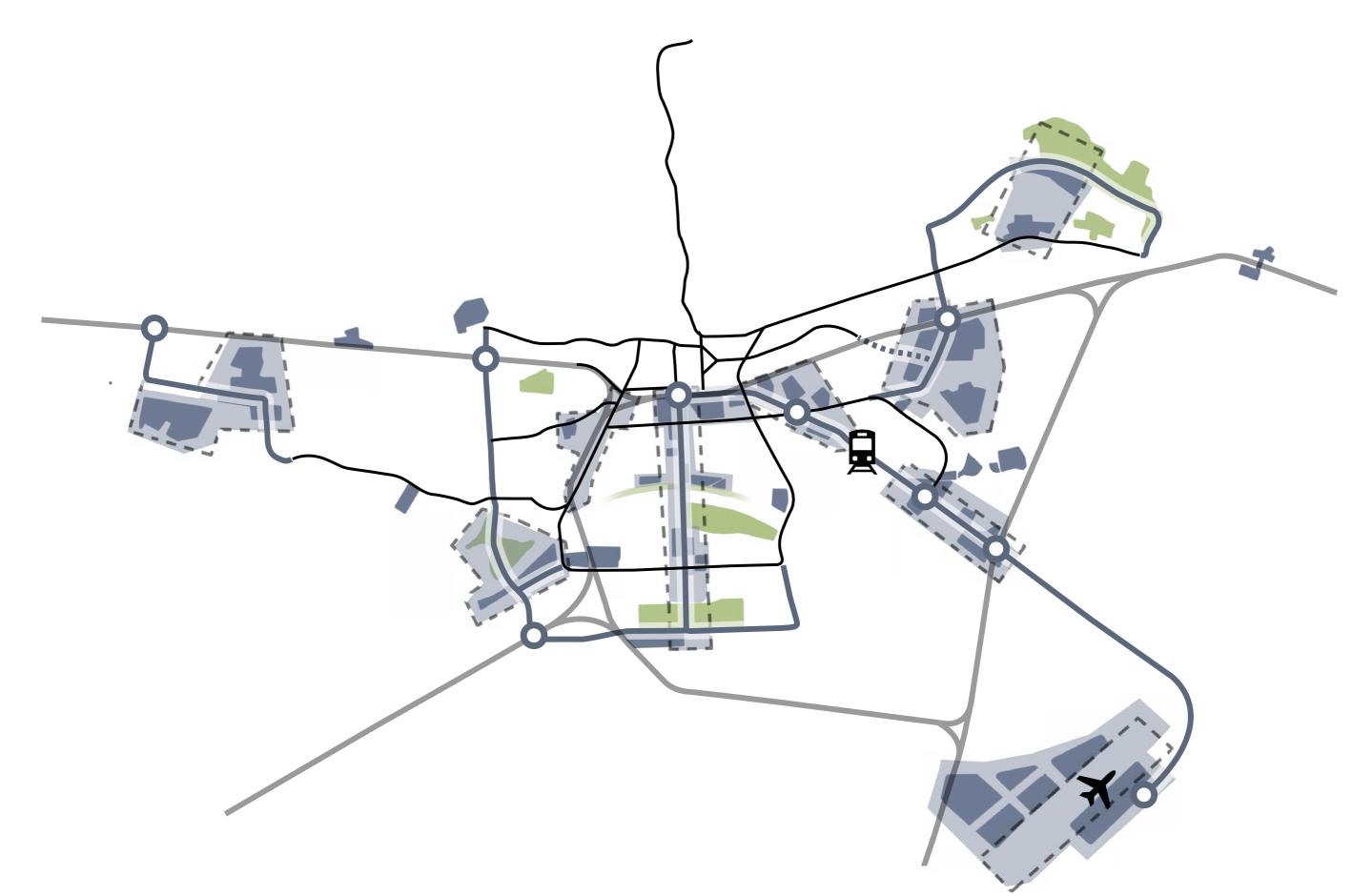




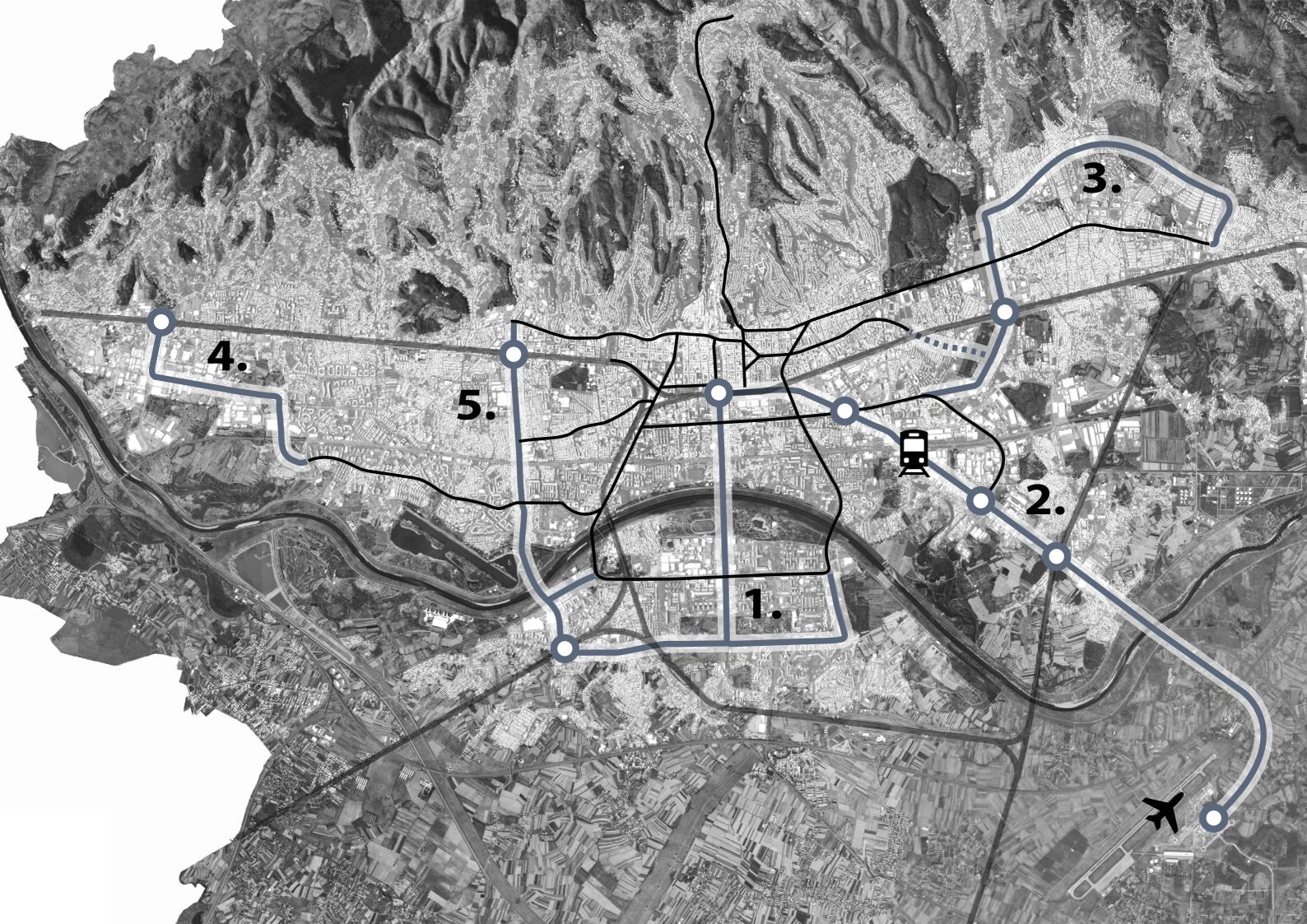
7.8 FROM POTENTIAL LOCATIONS TO STRATEGIES





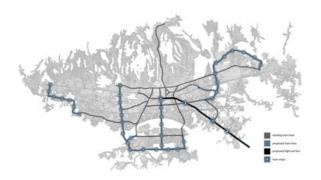


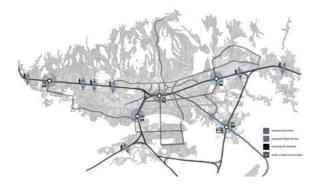


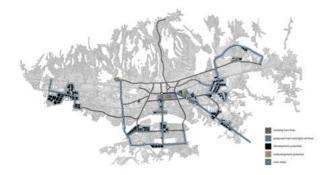


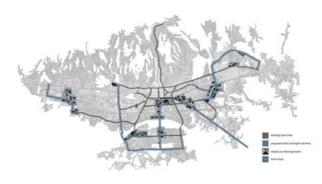
7.9 STRATEGIC GUIDELINES

CLASSIC THEORY

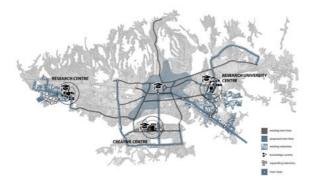








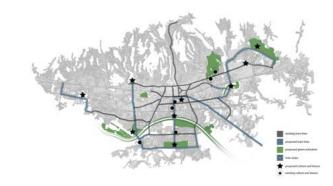
CLUSTER THEORY



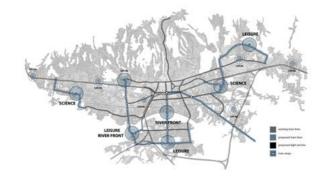




















INVEST IN THE EXTENSION OF THE PUBLIC TRANSPORT NETWORK TO REDUCE CAR DEPENDACY AND A RESULTING FRAGMENTED URBAN STRUCTURE

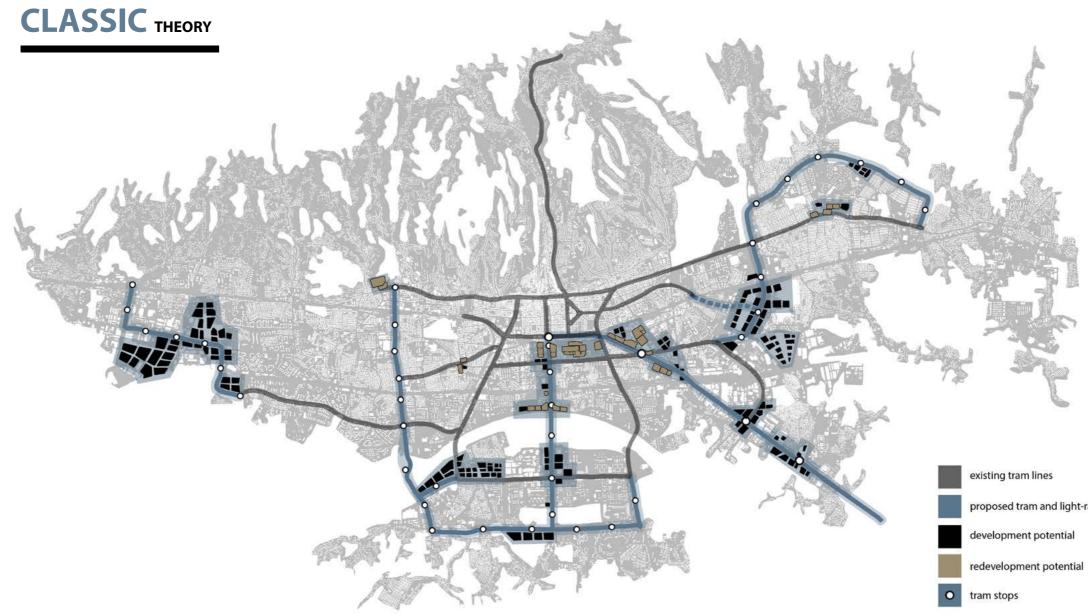




INVEST IN THE EXISTING TRAIN NETWORK, MAKING THE STOPS MORE 2: ACCESIBLE AND CREATING MULTI MODAL TRANSIT NODES





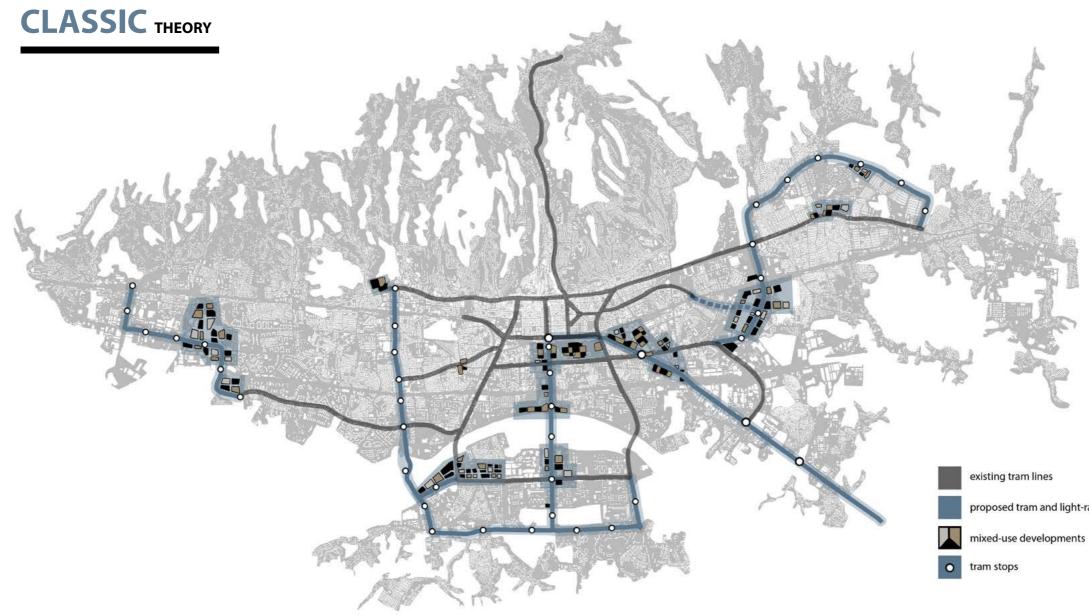


ATTRACT INVESTMENTS AND FOCUS ON DEVELOPMENTS WHICH CAN 3: **CREATE DENSE URBANISATION ECONOMIES**

proposed tram and light-rail lines





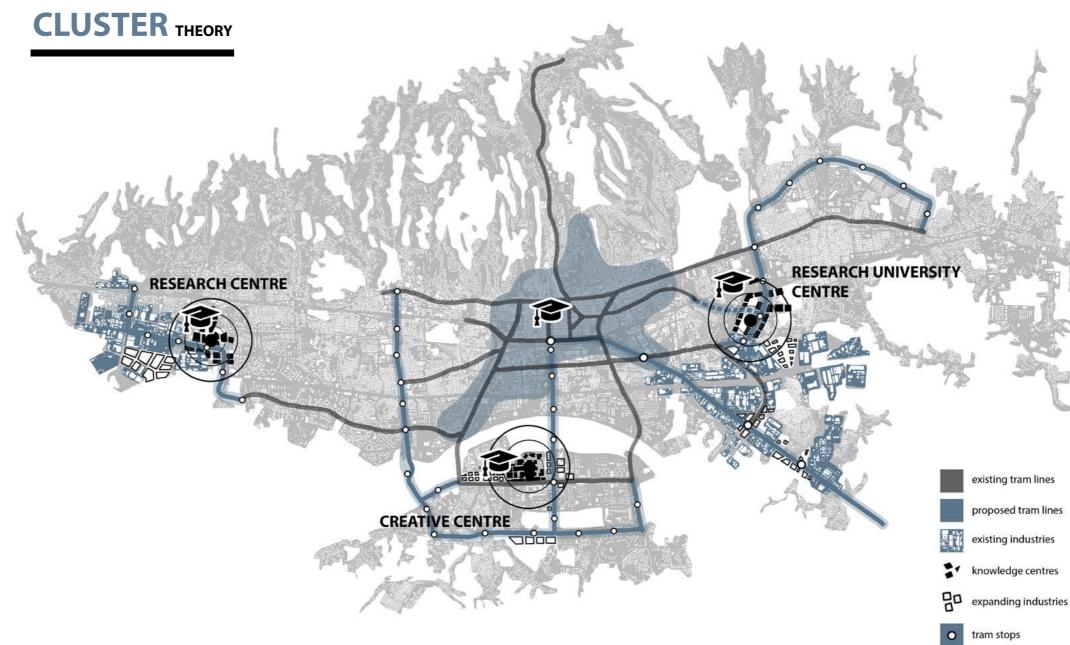


SET LOCAL GUIDELINES TO ENHANCE MIXED-USE ENVIRONMENTS TO ACTIVATE THE LOCAL ECONOMY

proposed tram and light-rail lines







CREATE SCIENCE HUBS LINKED TO THE PRODUCTION CLUSTERS IN CO-5: OPERATION WITH THE UNIVERSITY TO ACT AS AN INCUBATOR



O tram stops



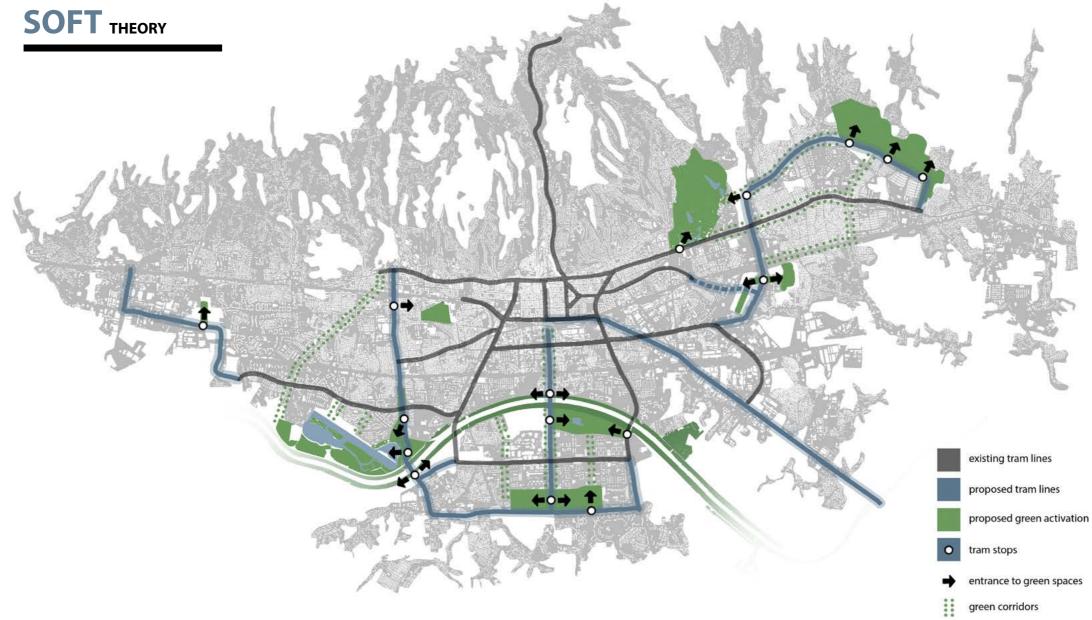




LINK THE PUBLIC TRANSPORT SYSTEM TO BUSINESS DISTRICTS TO RE-**6**: DUCE CAR FLOWS AND CONGESTION

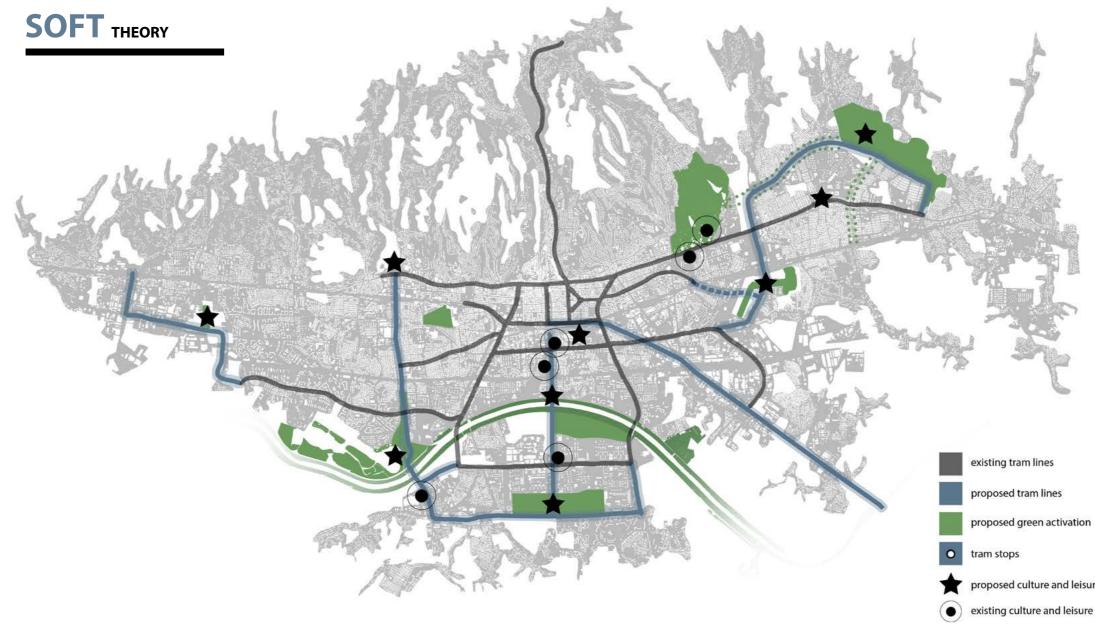






7: CONNECT PUBLIC GREEN SPACES TO THE PUBLIC TRANSPORT NETWORK



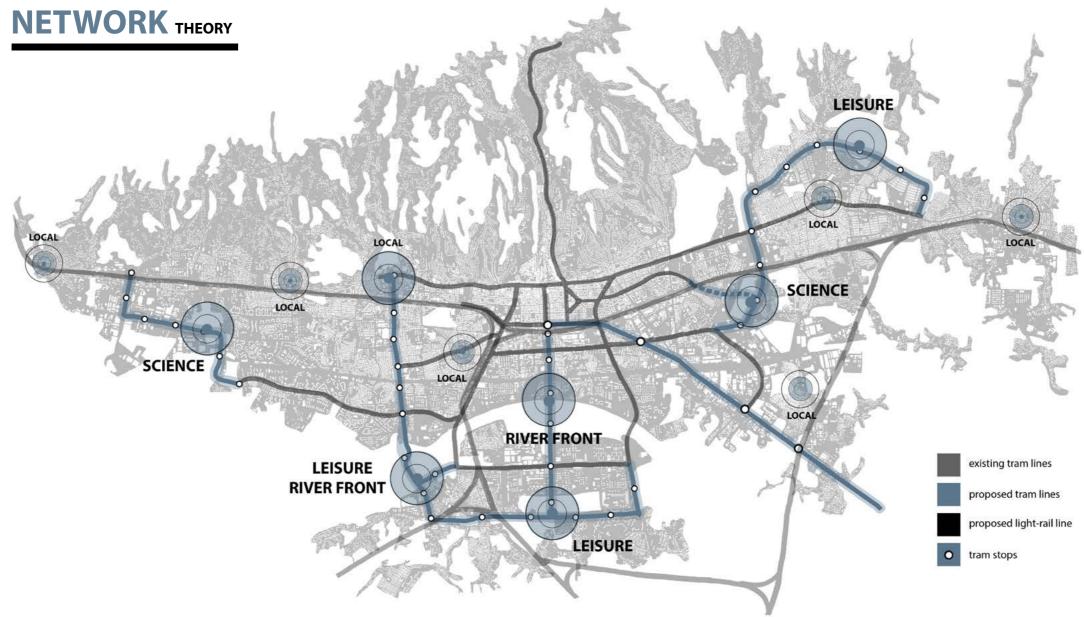


ATTRACT AND DEVELOP CULTURAL AND LEISURE ACTIVITIES WITHIN 8: THE NETWORK



- proposed culture and leisure

- tram stops
- proposed green activation
- proposed tram lines



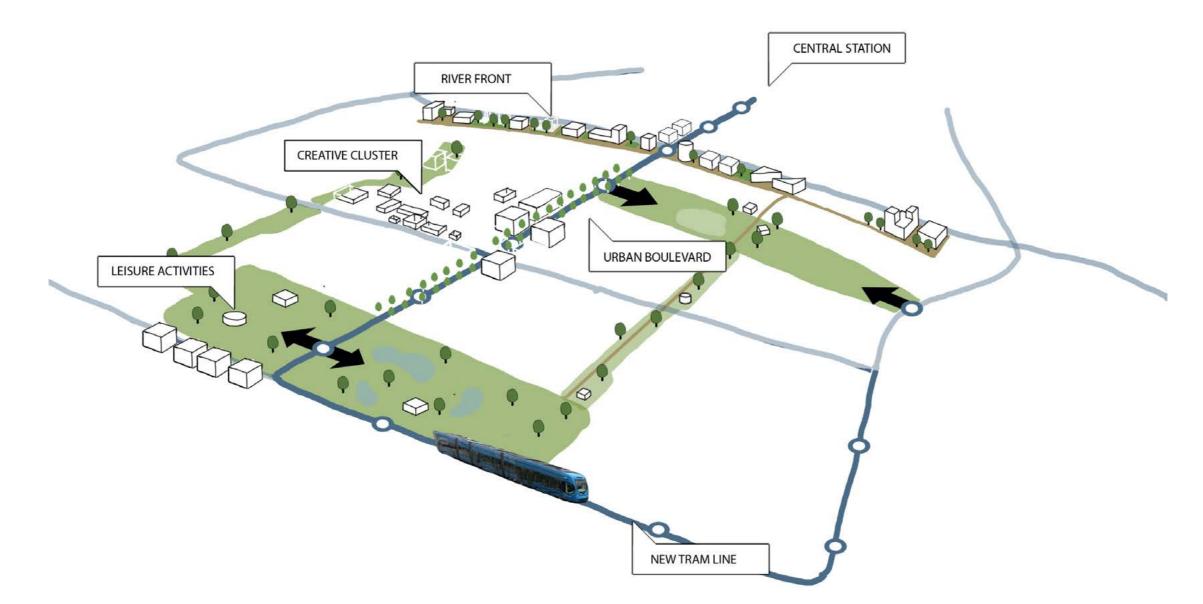
FOCUS ON THE DEVELOPMENT OF A POLYCENTRIC CITY STRUCTURE **9**:



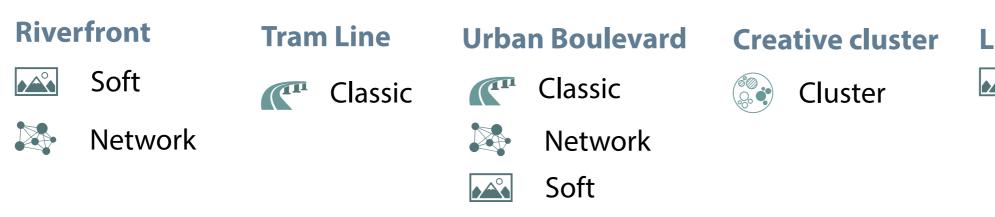


7.10 NOVI ZAGREB STRATEGY





DEVELOPMENTS

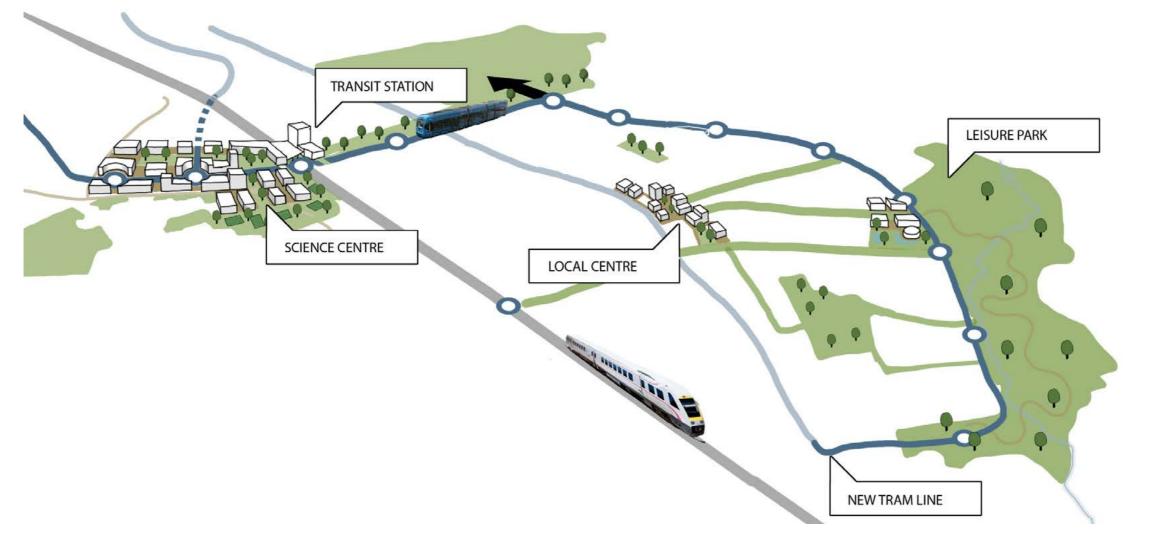




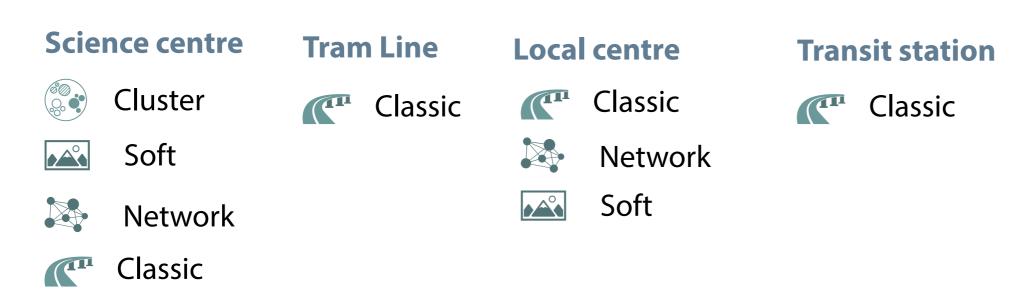


7.11 DUBRAVA STRATEGY





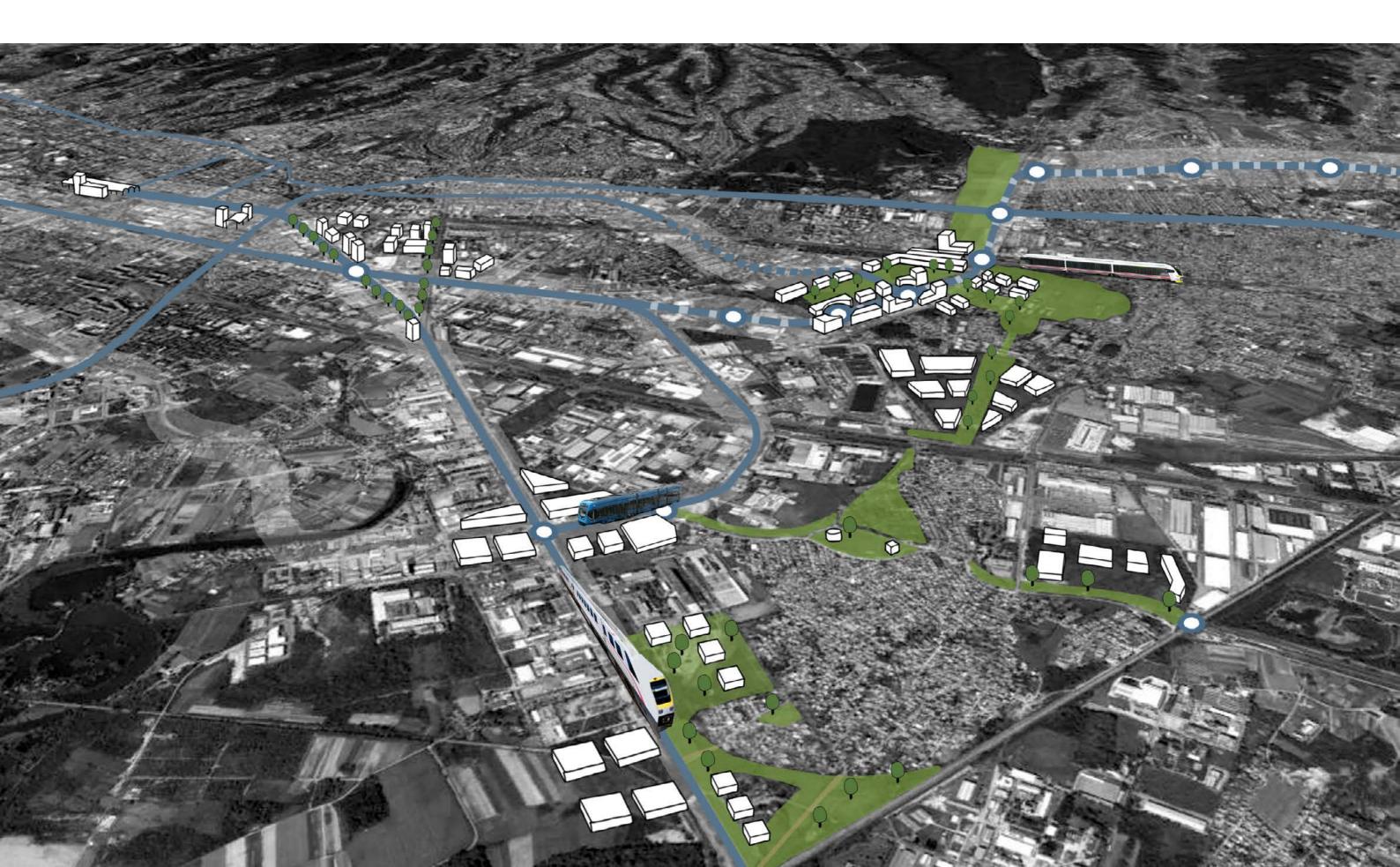
DEVELOPMENTS

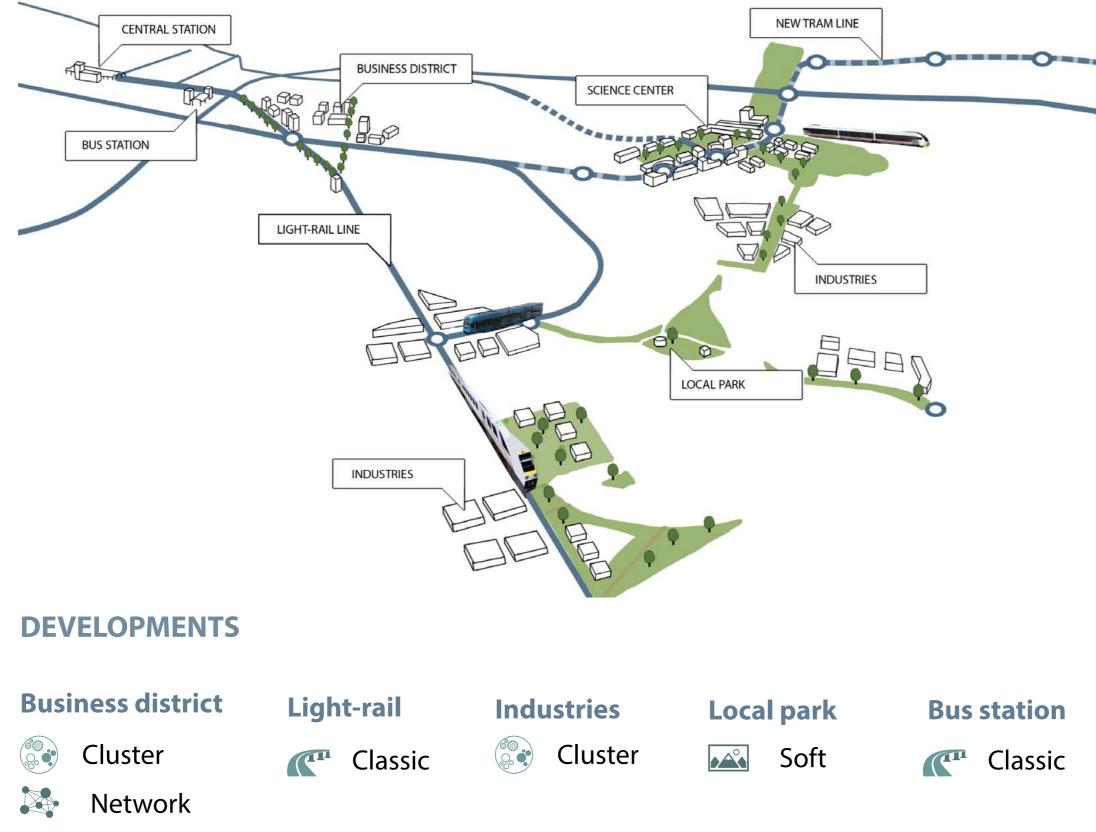






7.12 LIGHT-RAIL STRATEGY

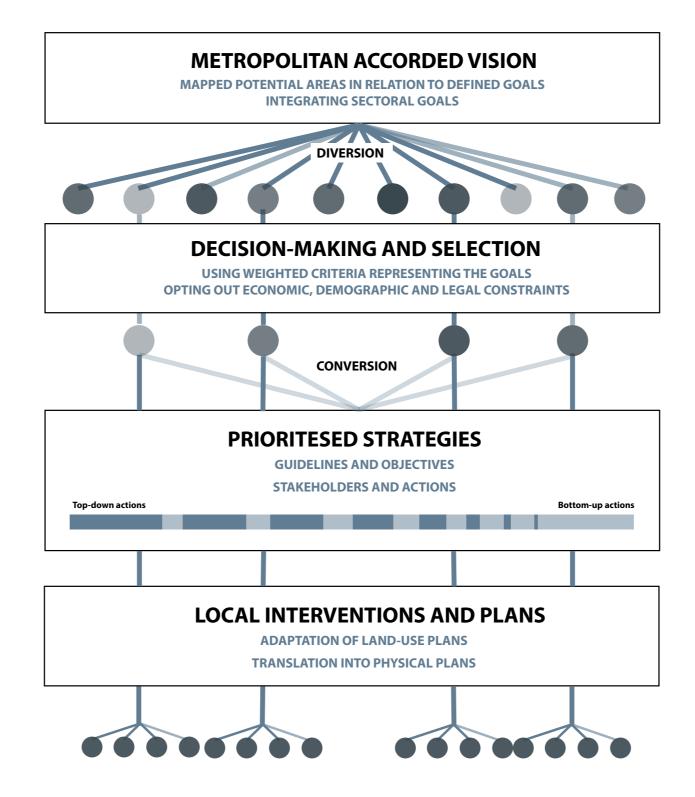




Classic



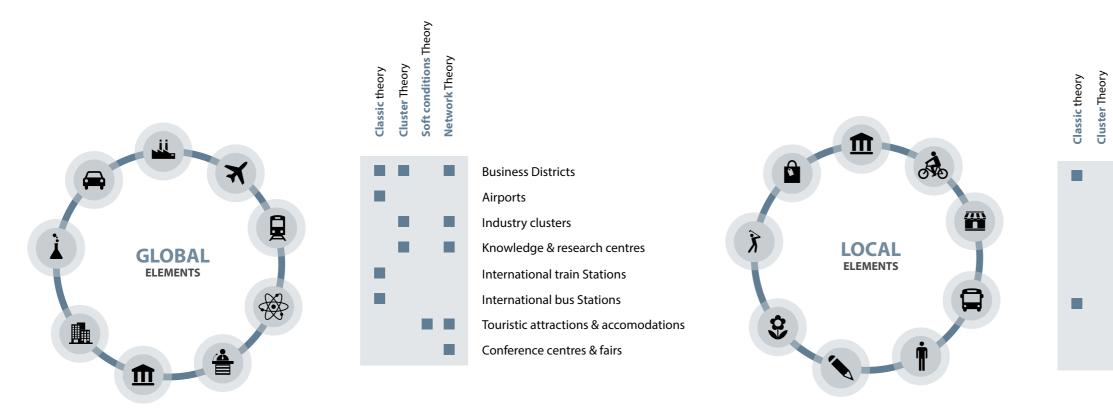
7.13 INFORMING LOCAL INTERVENTIONS







7.14 VERTICAL COORDINATION



Top-down

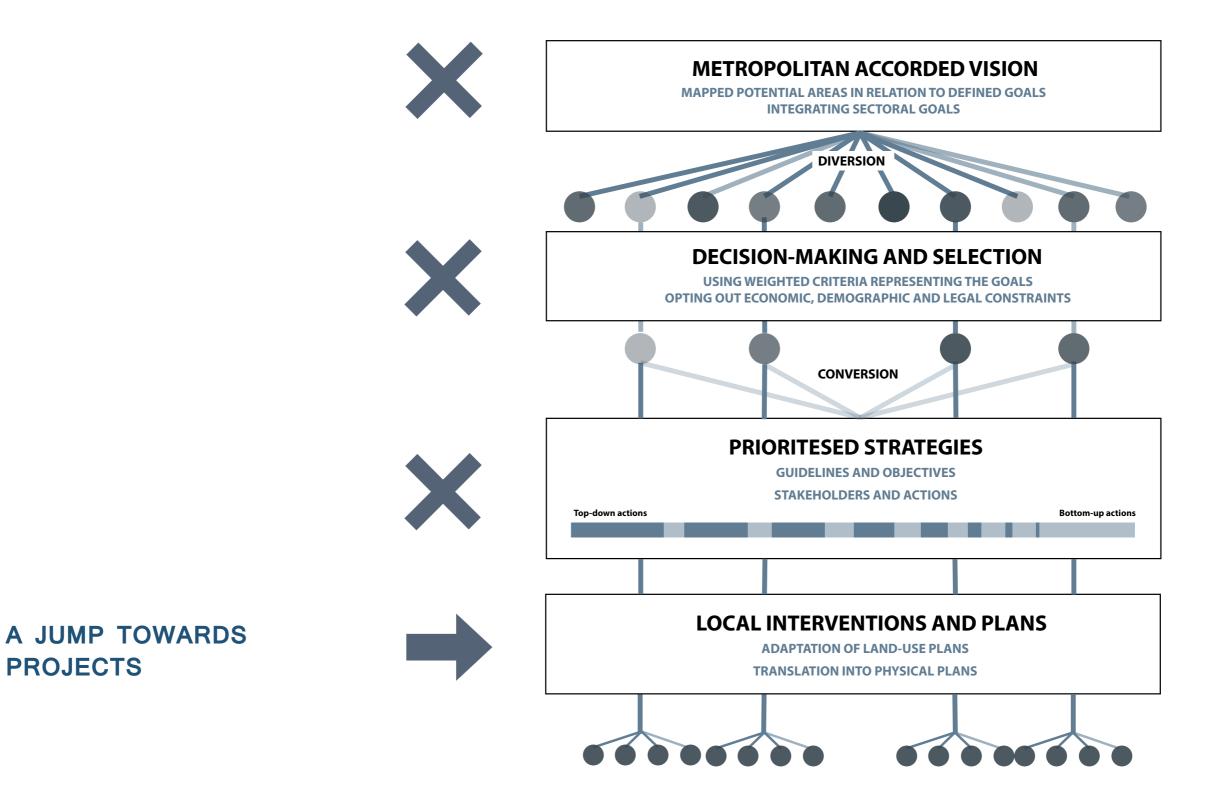
Soft conditions Theory Network Theory	
	Markets
	Parks and green spaces
	Walkable streets
	Bus, tram and bicycle networks
	Schools & Healthcare
	Shops and commercial space
	Local leisure : cinema's
	Conference centres & fairs

Bottom-up



7.15 CONCLUSION

PROJECTS

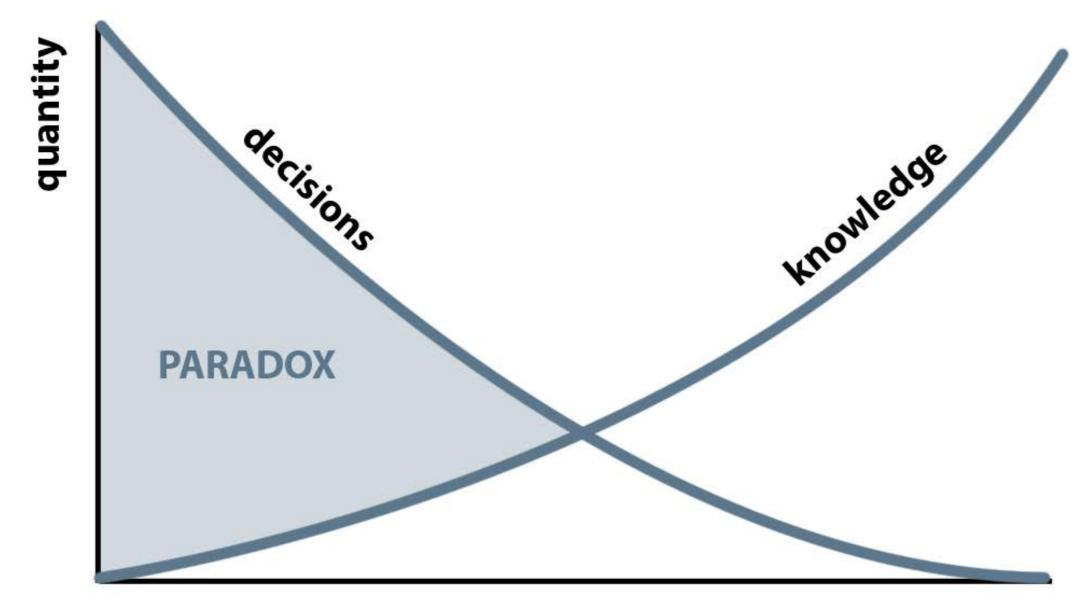




8.0 REFLECTION



8.1 PROCESS

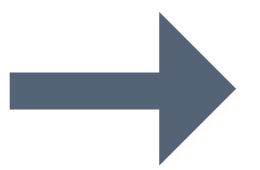






8.2 CONCLUSION

KNOWLEDGE CITY



TAILOR MADE PLAN



THANK YOU FOR. YOUR ATENTION.

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