

2018

Mapping-and-Designing (in) relationally composed fields

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Suggested citation:

Stamatopoulou, Athina (2018) Mapping-and-Designing (in) relationally composed fields. In: Proceedings of RSD7, Relating Systems Thinking and Design 7, 23-26 Oct 2018, Turin, Italy. Available at <http://openresearch.ocadu.ca/id/eprint/2685/>

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mapping-and-designing in relationally composed fields

Athina Stamatopoulou

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supported by the General Secretariat for Research and Technology (GSRT)
& the Hellenic Foundation for Research and Innovation (HFRI)

[mapping-and-designing in relationally composed fields]

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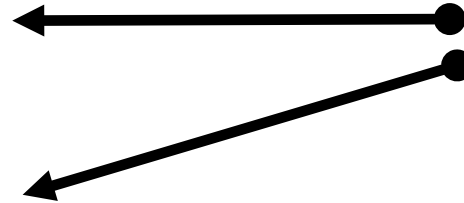
methodology developed < through > experiments, tests/ applications



mapping-and-designing in relationally composed fields

:

methodology developed < through > experiments, tests/ applications



logics of designing by thinking in relations

framework

mapping methodology's scheme & testing case-studies

logics of mapping-and-designing in the city

framework

relationality:

"The cities must now be looked at as constellations of interactions, communications, relations, flows, and networks, rather as than locations, and argue that location is, in effect, a synthesis of interactions"

(Michael Batty, New Science of cities, 2013: 13)

- emphasis on potential interactions and connections of things
- constantly changing relations among heterogeneous parameters

framework

relationality > complexity of places in regard to the parameter of the subject

- not fixed but in constant change
- connections of places
- rhizome generated in time and intersubjectively
- places connected physically and immaterially

framework

relationality > complexity of places in regard to the parameter of the subject

- not fixed but in constant change
 - connections of places
 - rhizome generated in time and intersubjectively
 - places connected physically and immaterially
-
- objects-subjects interactions (trans)form city

framework (question of research)

How can we analyse and at the same time design
in regard to
city's multiplicity, its relationality and its constant changing?

Framework

mapping:
analytical & generative process

*"Mapping as an extensive and rhizomatic set of field operations precipitates, unfolds and supports hidden conditions, desires and possibilities nested within a milieu. (...) **rhizomatic mappings provide an infinite series of connections, switches, relays, circuits for activating matter and information.**"*

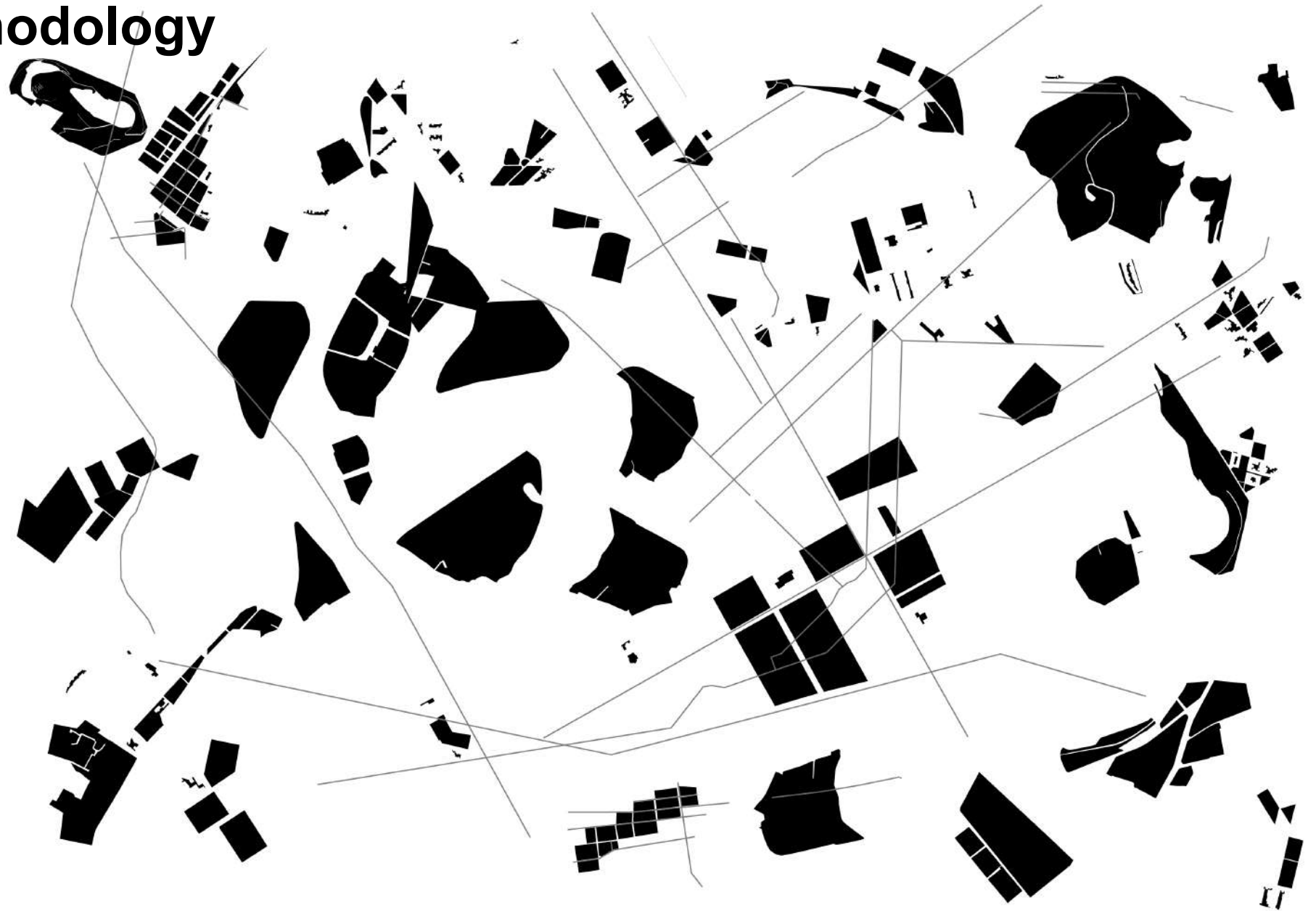
(James Corner, The Agency of Mapping 1999: 250)

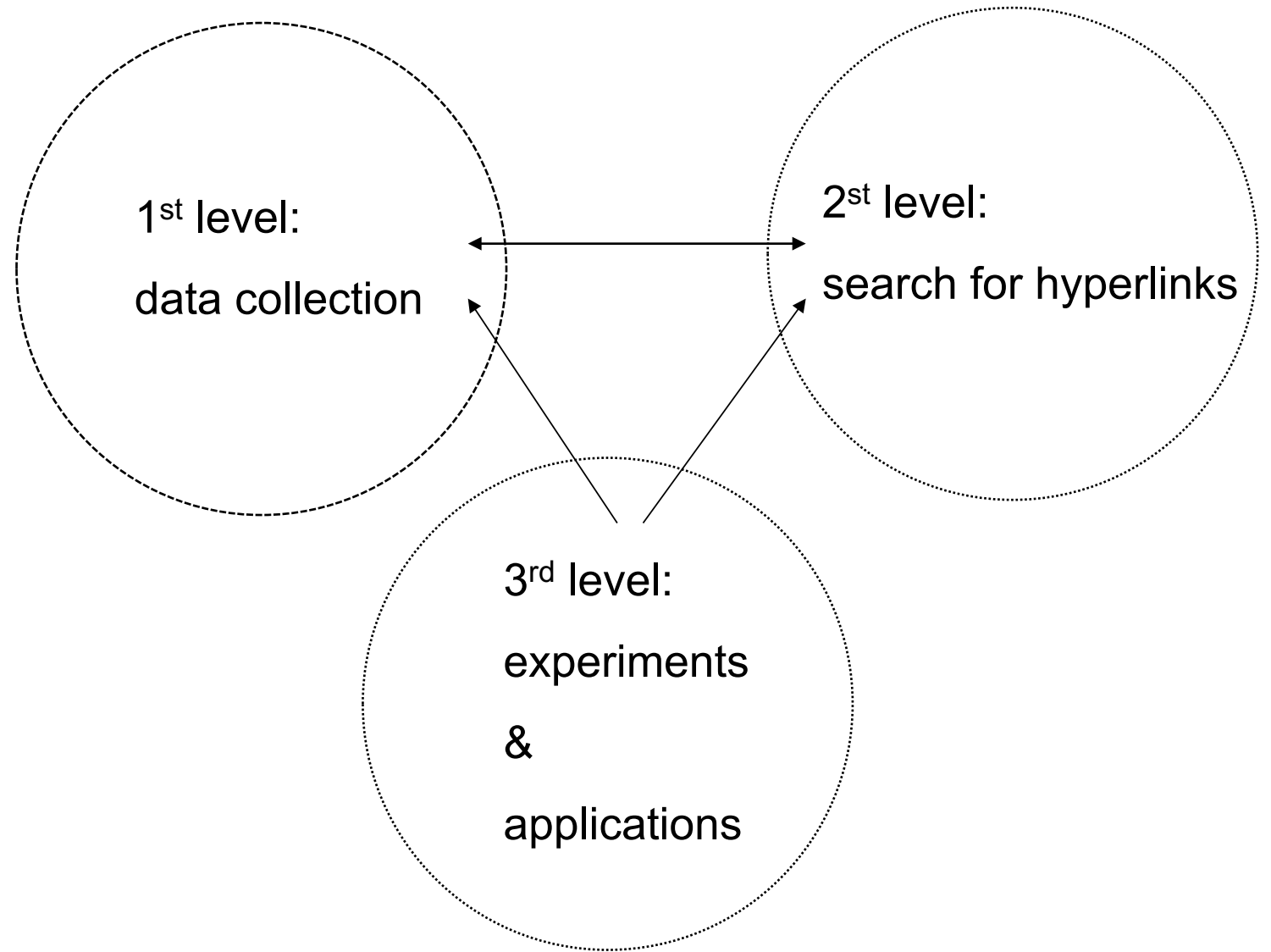
Framework (aims)

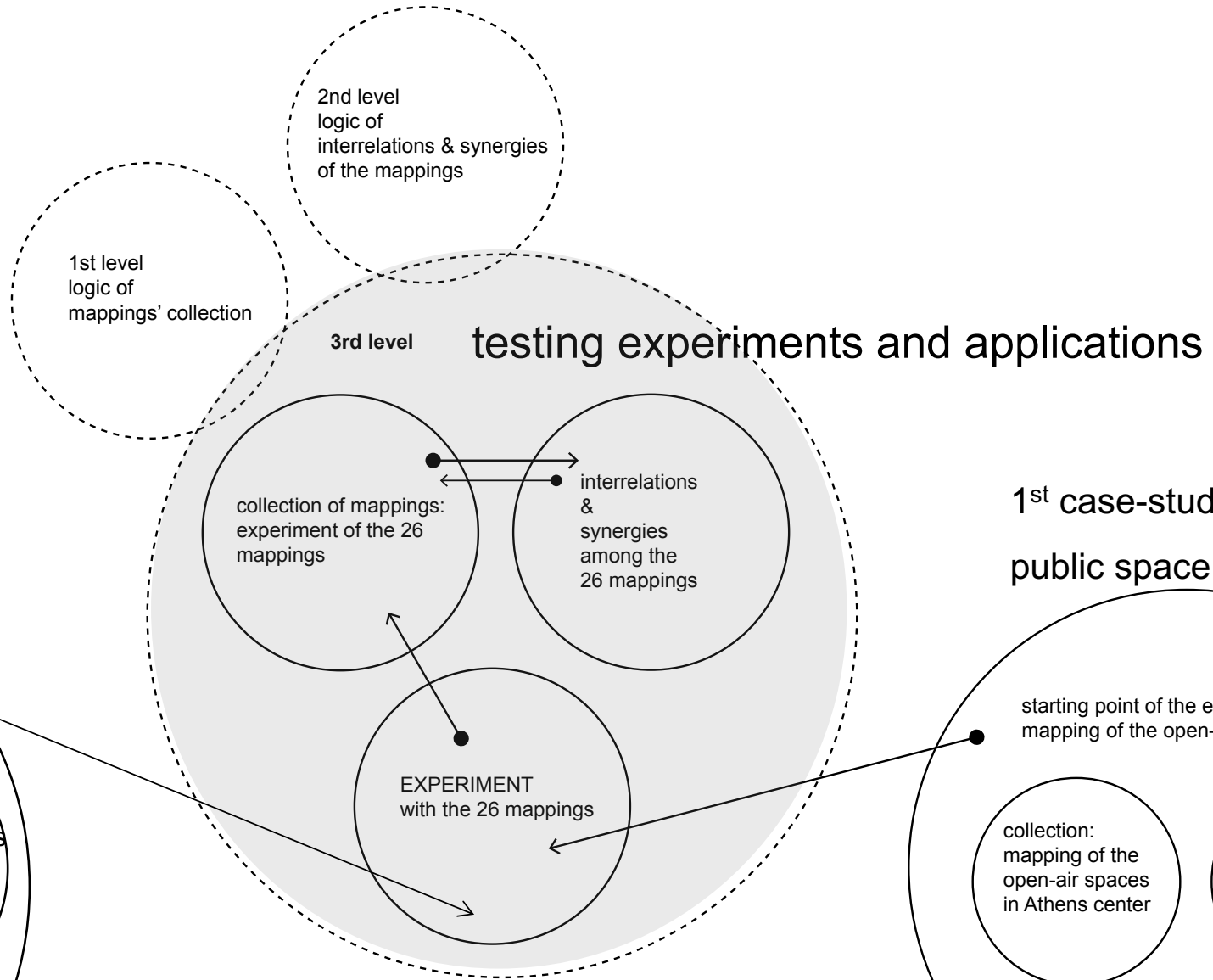
create a tool of/ to

- generative analysis for decision-making/ management processes
- analyse city in regard to its multiplicity parameters
- enable decompositions and recompositions
- activating/ revealing but also abstracting complexity

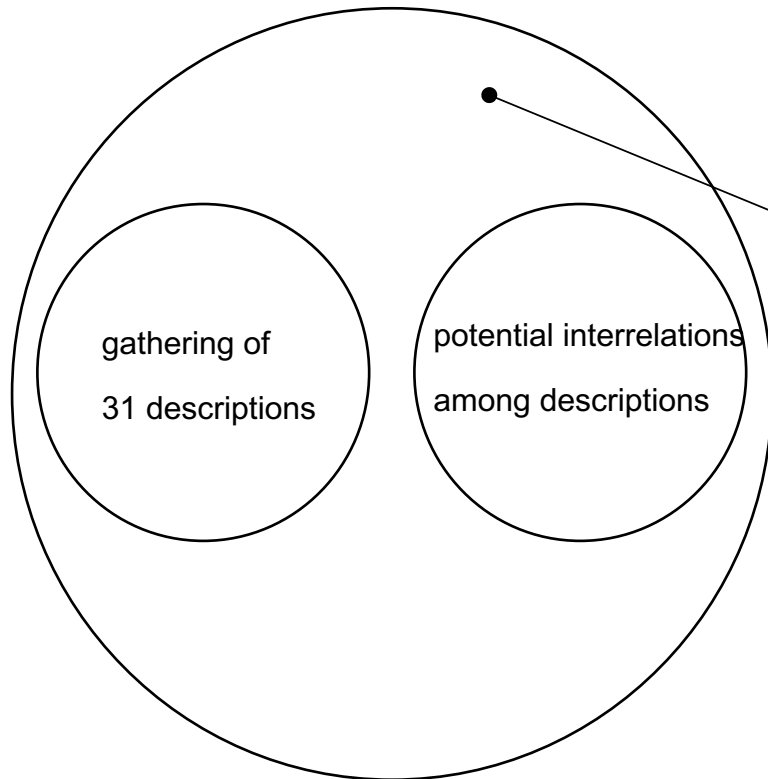
mapping methodology



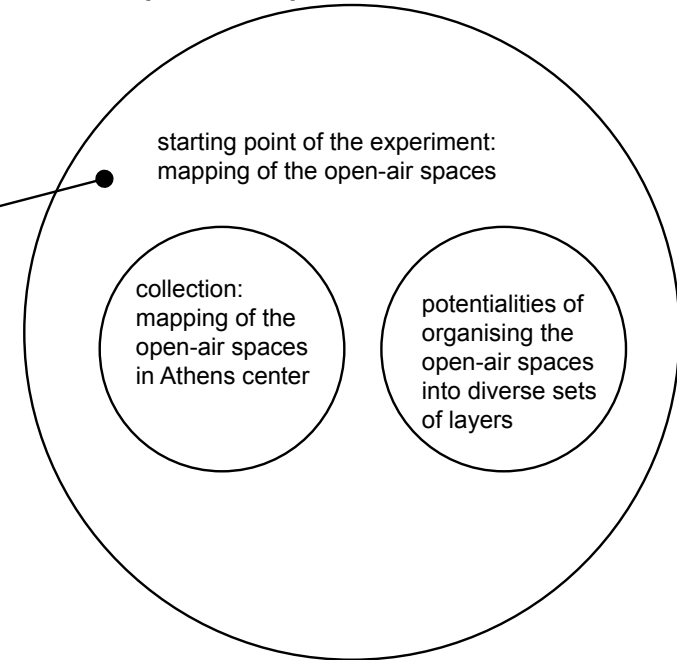




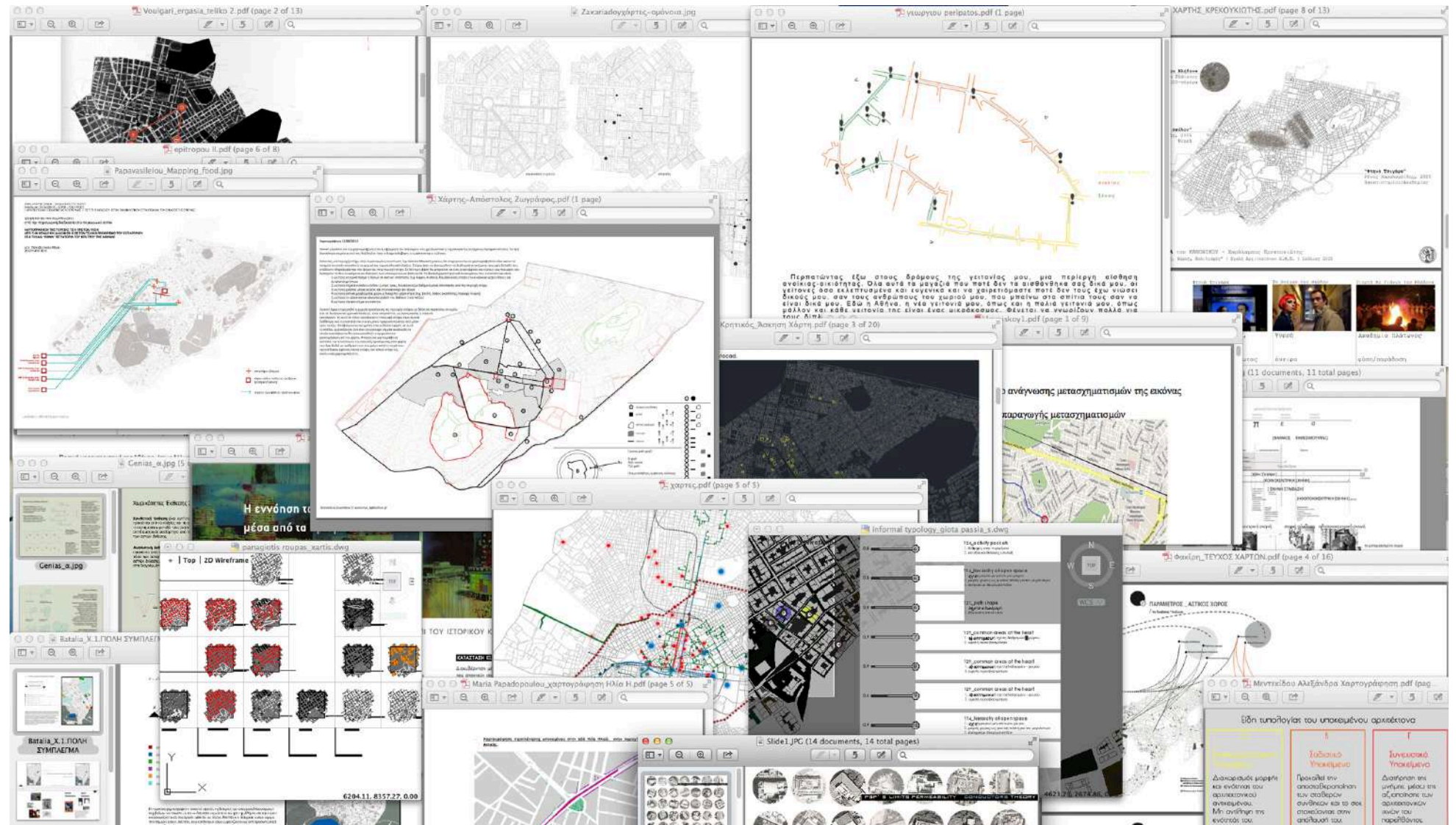
2nd case-study:
descriptions of Pedion Areos park



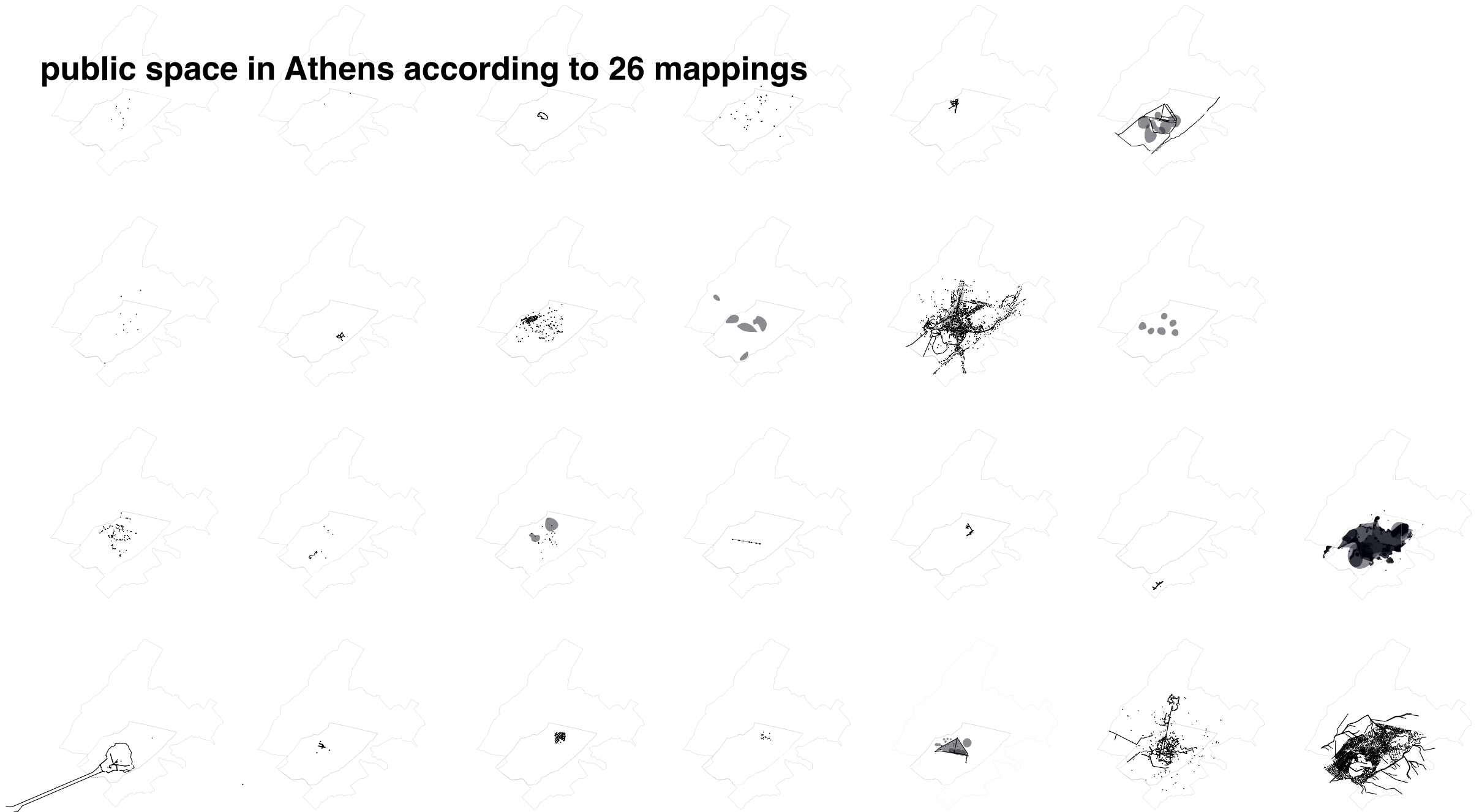
1st case-study:
public space in Athens



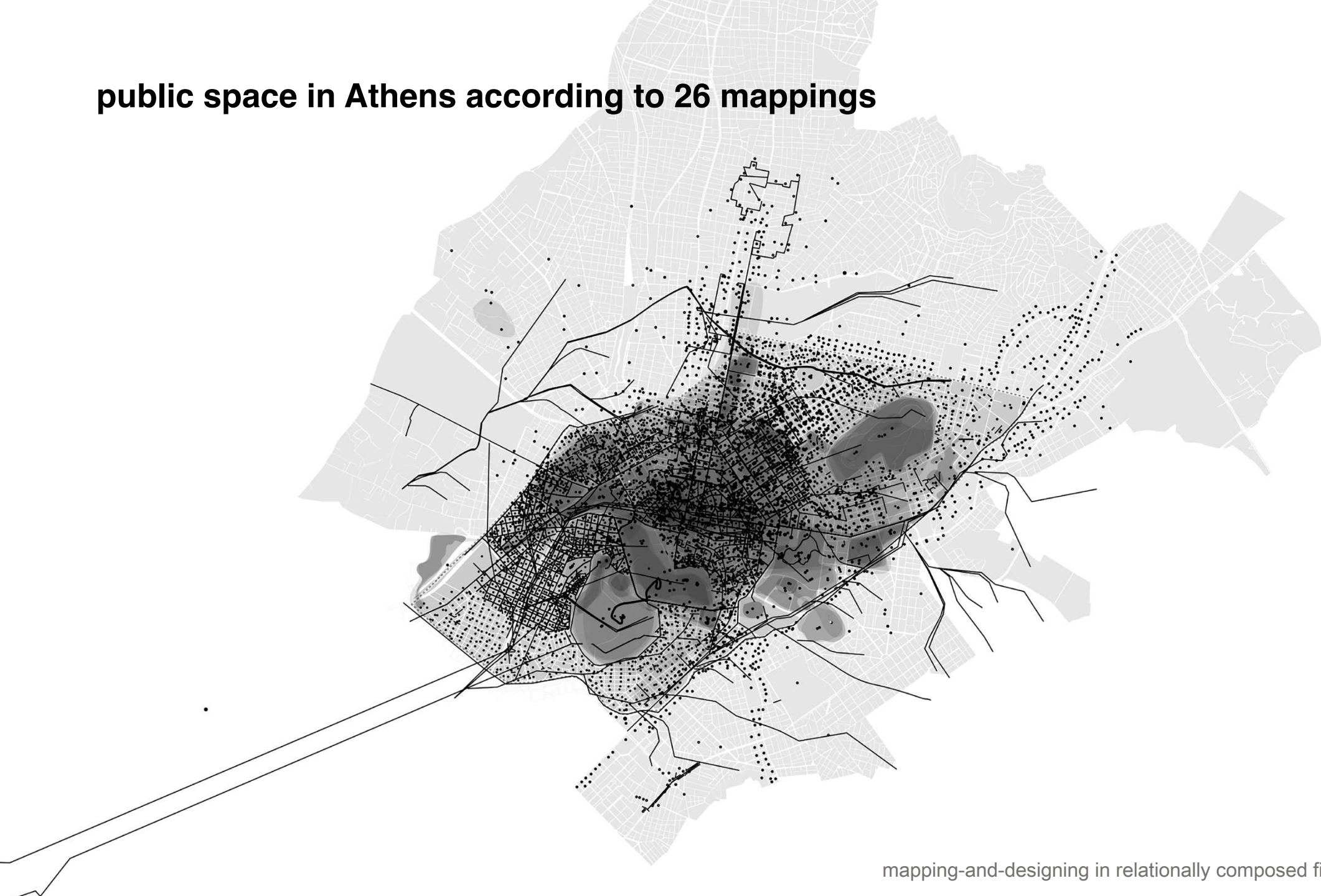
experiment: public space in Athens



public space in Athens according to 26 mappings

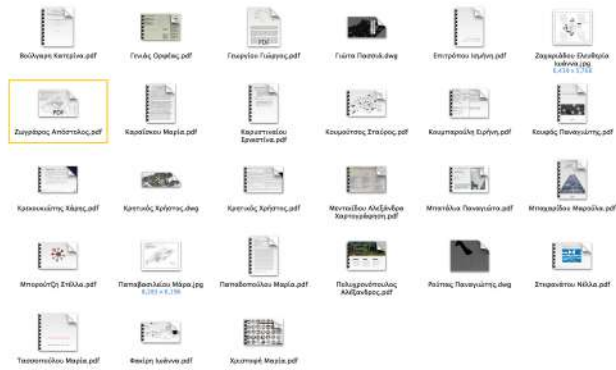


public space in Athens according to 26 mappings



interactive open map

database



map

The diagram illustrates a hierarchical table structure for urban planning categories and sub-categories. It features a large grid with a vertical axis on the left and a horizontal axis at the top. The vertical axis is labeled 'VERTICAL AXIS' and the horizontal axis is labeled 'HORIZONTAL AXIS'. The grid is divided into two main sections: 'CATEGORIES' on the left and 'SUB-CATEGORIES' on the right. The 'CATEGORIES' section lists various urban planning categories, and the 'SUB-CATEGORIES' section lists their corresponding sub-categories. Arrows indicate the flow of information from the categories to the sub-categories and from the sub-categories to the properties. A note at the bottom states: 'part of the table: between the categories and the sub-categories, the properties are added.'

VERTICAL AXIS

HORIZONTAL AXIS

references to: the 26 mappings + to the open-air mapping

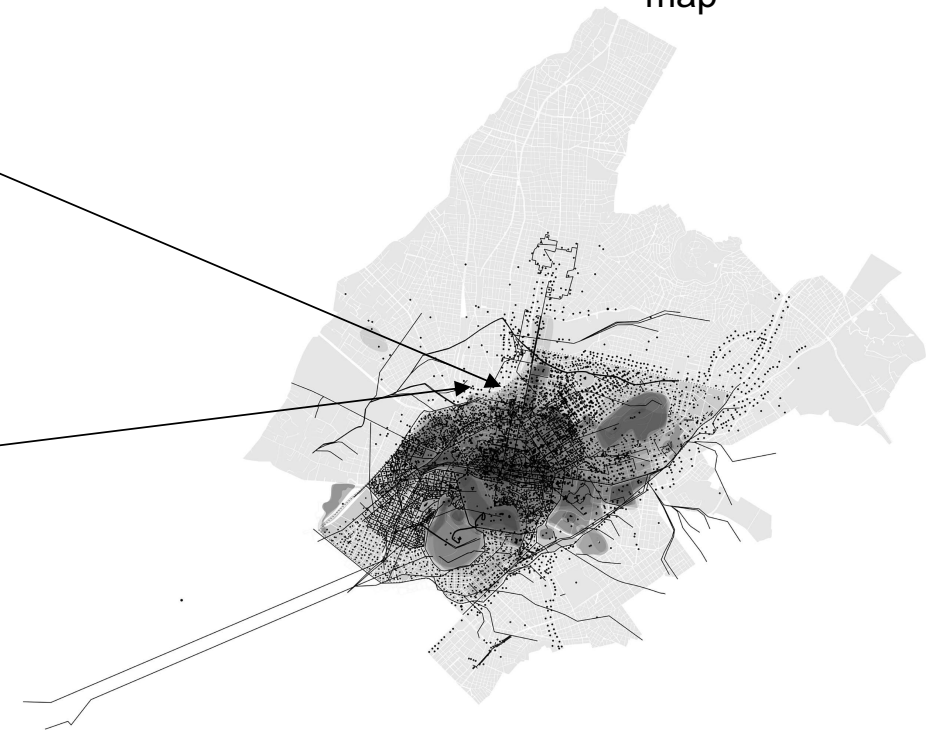
CATEGORIES

- 1. urban planning
- 2. urban planning
- 3. urban planning
- 4. urban planning
- 5. urban planning
- 6. urban planning
- 7. urban planning
- 8. urban planning
- 9. urban planning
- 10. urban planning
- 11. urban planning
- 12. urban planning
- 13. urban planning
- 14. urban planning
- 15. urban planning
- 16. urban planning
- 17. urban planning
- 18. urban planning
- 19. urban planning
- 20. urban planning
- 21. urban planning
- 22. urban planning
- 23. urban planning
- 24. urban planning
- 25. urban planning
- 26. urban planning

SUB-CATEGORIES

- 1. urban planning
- 2. urban planning
- 3. urban planning
- 4. urban planning
- 5. urban planning
- 6. urban planning
- 7. urban planning
- 8. urban planning
- 9. urban planning
- 10. urban planning
- 11. urban planning
- 12. urban planning
- 13. urban planning
- 14. urban planning
- 15. urban planning
- 16. urban planning
- 17. urban planning
- 18. urban planning
- 19. urban planning
- 20. urban planning
- 21. urban planning
- 22. urban planning
- 23. urban planning
- 24. urban planning
- 25. urban planning
- 26. urban planning

part of the table: between the categories and the sub-categories, the properties are added.



interactive open map

system of:

database: mappings in their original form

table
map

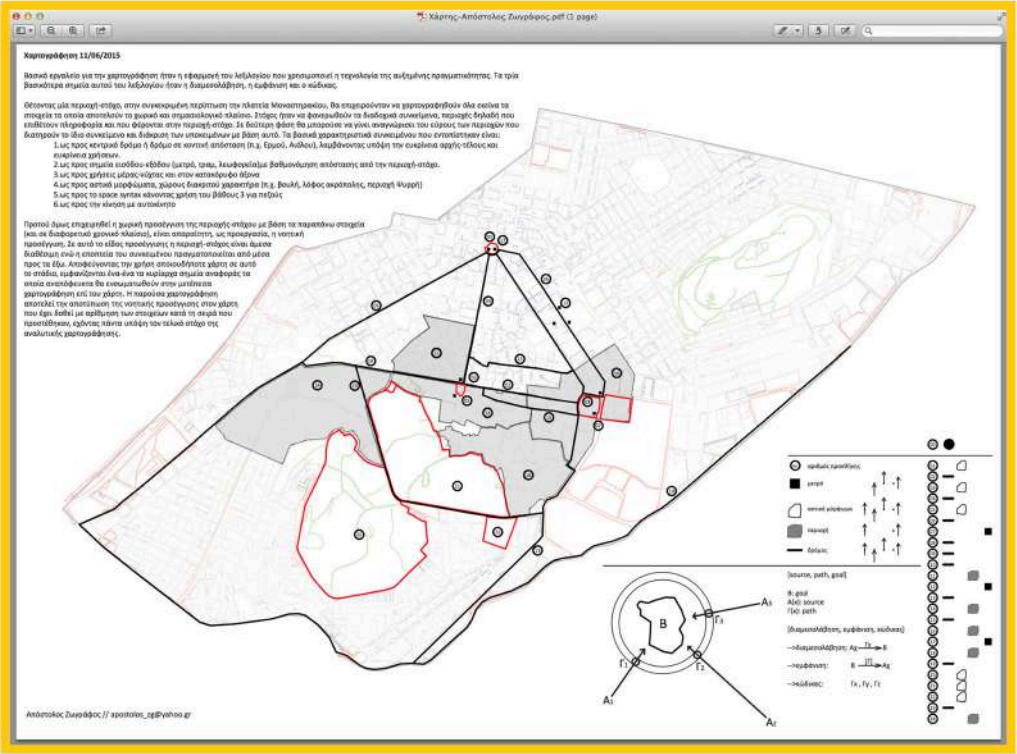
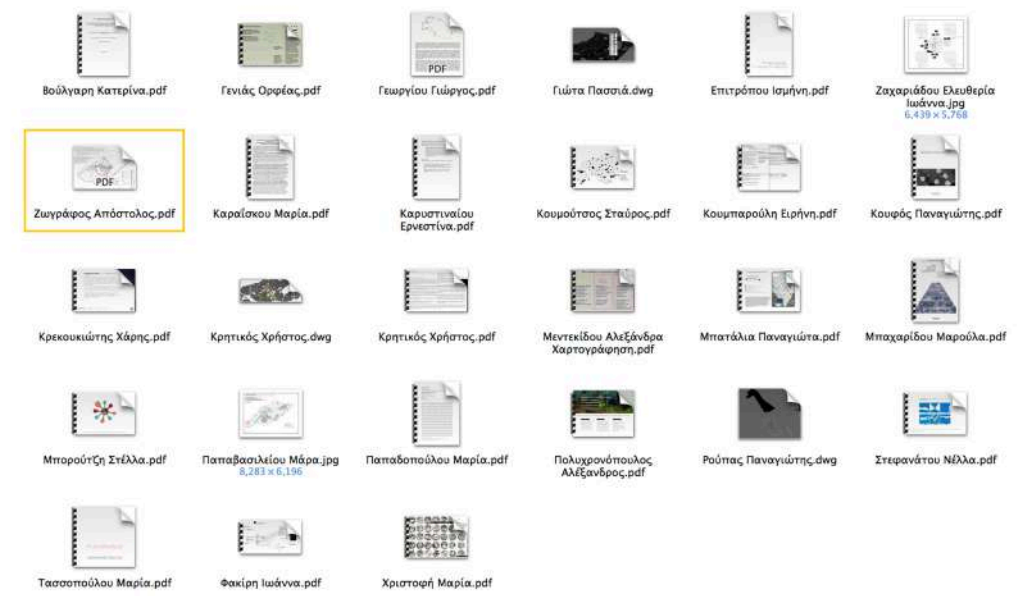
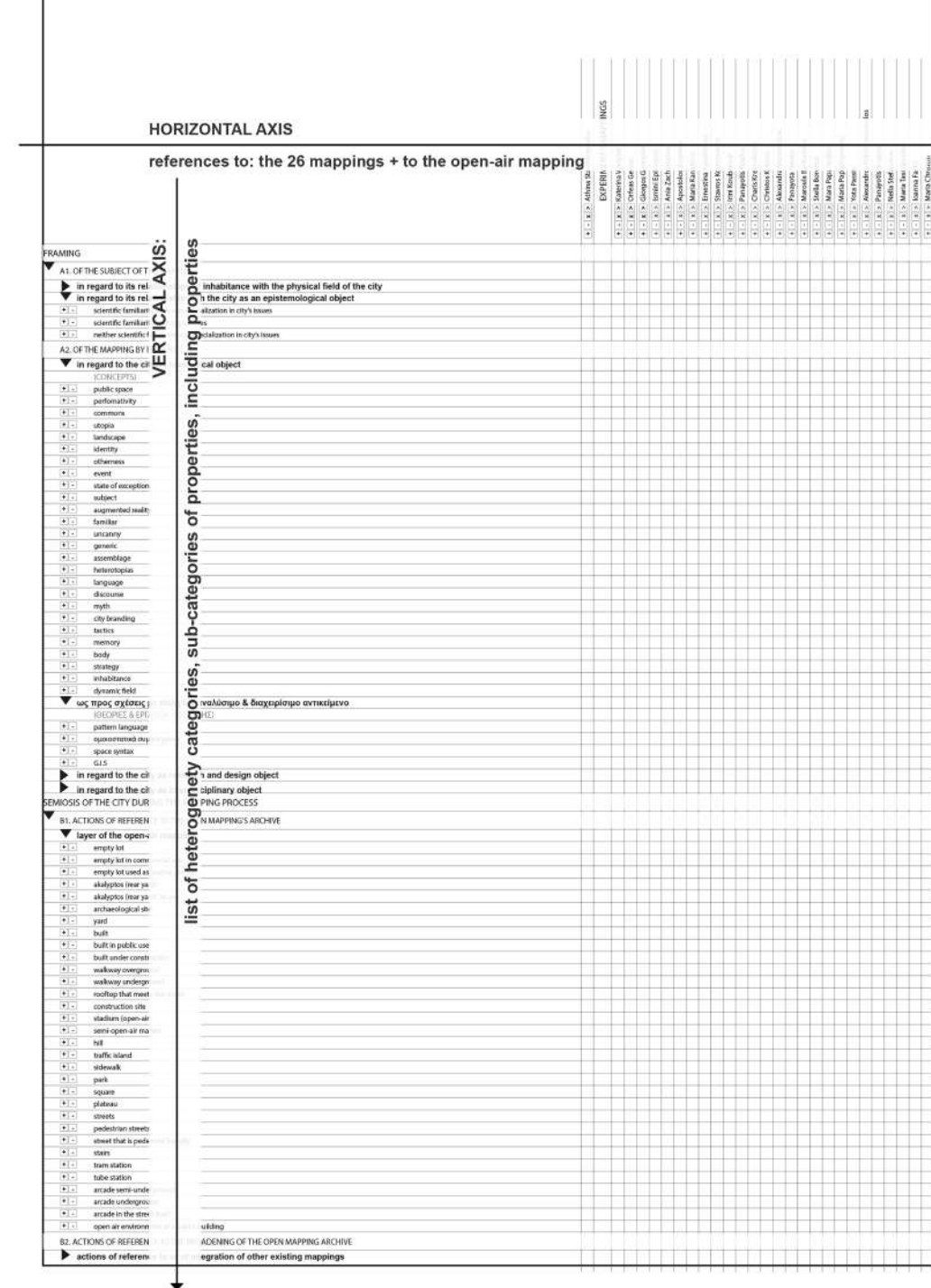


table: references to mappings matched to properties

map



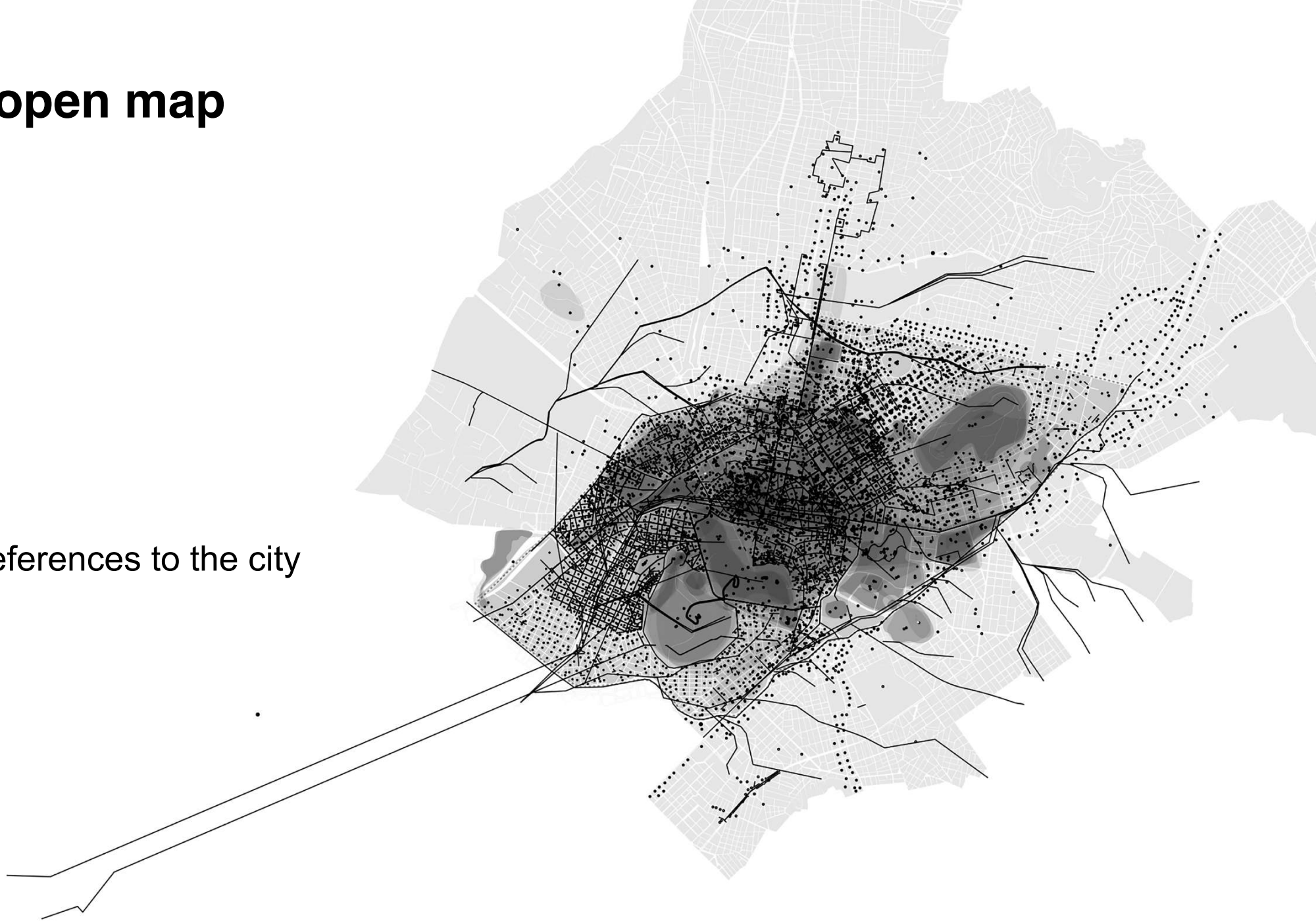
interactive open map

system of:

database

table

map: encoded references to the city



interactive open map

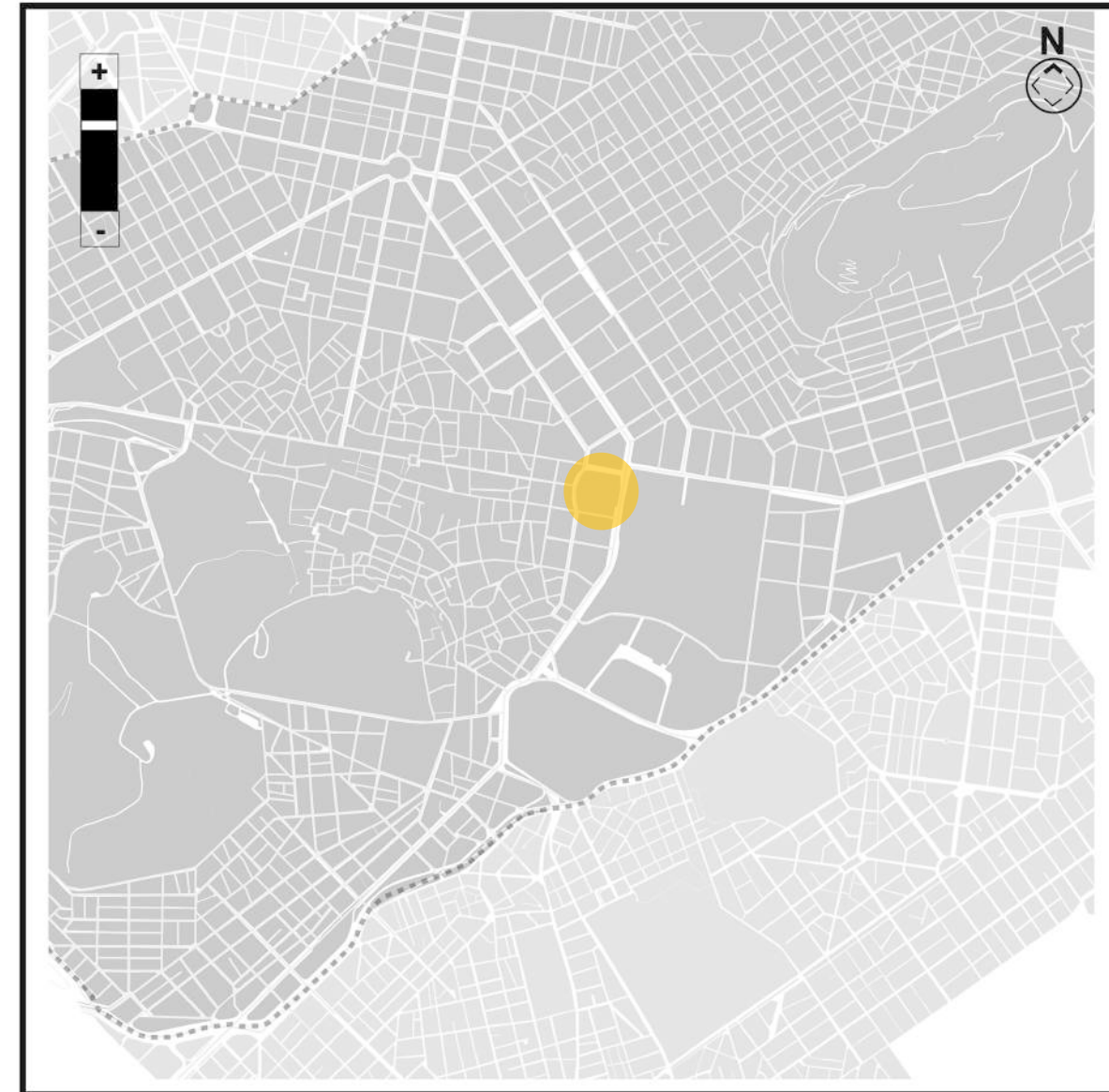
from the table to the map

BASE MAP		EXPERIMENT'S MAPPINGS														
		Athina Stamatiopoulou	Katerina Voulgari	Orfeas Goulas	Georgios Georgiou	Ismaili Episcopou	Ana Zerkariadou	Asotolos Zografos	Maria Karakidou	Eusebia Kariniakou	Irene Katsirouli	Panagiotis Koufas	Christos Kiriakidis	Alkiviadis Ntzioudou	Phaedra Barla	Nicolaos Bacharous
B3. ACTIONS OF REFERENCE TO THE SPATIO-TEMPORAL DIMENSION OF THE MAPPING																
▼ in regard to the kind of relationship between subject-city during reading actions																
+	-	completely physical relationship														
+	-	both physical and mediated relationship														
+	-	completely mediated relationship														
▼ spatial distance in regard to sensorial perception potentialities of the mapped area																
▼ (READING FROM)																
+	-	vertical visual relation with mapping area														
+	-	inclined visual relation with the mapping area (bird's eye view)														
+	-	inclined visual and possibly acoustic relation with the mapping area (panoramic views to the city)														
+	-	inclined visual and possibly acoustic and olfactory relation with the mapping area < 50m. from the mapping area														
+	-	potentially full and direct horizontal relation with the mapping area														
+	-	body of the subject who maps = mapping area														
▼ (WRITING/ RECORDING)																
+	-	representation of the top view of the mapping area														
+	-	representation of an inclined view of the mapping area (bird's eye view)														
+	-	representation of an inclined view of the mapping area (panoramic views)														
+	-	representation of an inclined view of the mapping area from a maximum distance of 50m.														
+	-	representation of the horizontal - direct visual relation with the mapping area														
+	-	representation of the subject's body, which is the mapping area														
▶ temporal distance from real-time experiencing of the city																
▼ temporal distance between reading and writing actions																
+	-	temporal distance < one week														
+	-	temporal distance between one week and five months														
+	-	temporal distance between five months and four years														
+	-	temporal distance ~ five years														
+	-	temporal distance between five and fifty years														
+	-	temporal distance > fifty years														
B4. ACTIONS OF REFERENCE TO THE MEANS AND THE METHODS OF THE MAPPING																
▼ means of representation																
+	-	image														
+	-	video														
+	-	sound														
+	-	written discourse														
+	-	material things														
▼ methods of representation																
▼ in regard to the way it can be read																
+	-	linear reading														
+	-	linear reading including fragments of non-linear logic														
+	-	non-linear reading														
▼ in regard to the editability of the mapping																
+	-	editable open file														
+	-	editable open file including non-editable parts														
+	-	combination of editable and non-editable distinct files														
+	-	non-editable file														
▼ in regard to the distinctness of the process of the mapping																
+	-	clear description of the process														
+	-	implied description of the process														
+	-	non-distinct process														



from the map to the table

B3. ACTIONS OF REFERENCE TO THE SPATIO-TEMPORAL DIMENSION OF THE MAPPING		BASE MAP		EXPERIMENT'S MAPPINGS	
		+	-	+	-
in regard to the kind of relationship between subject-city during reading actions					
+	completely physical relationship				
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spatial distance in regard to sensorial perception potentialities of the mapped area					
READING FROM:					
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+	implied description of the process				
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with all the encoded references to the park



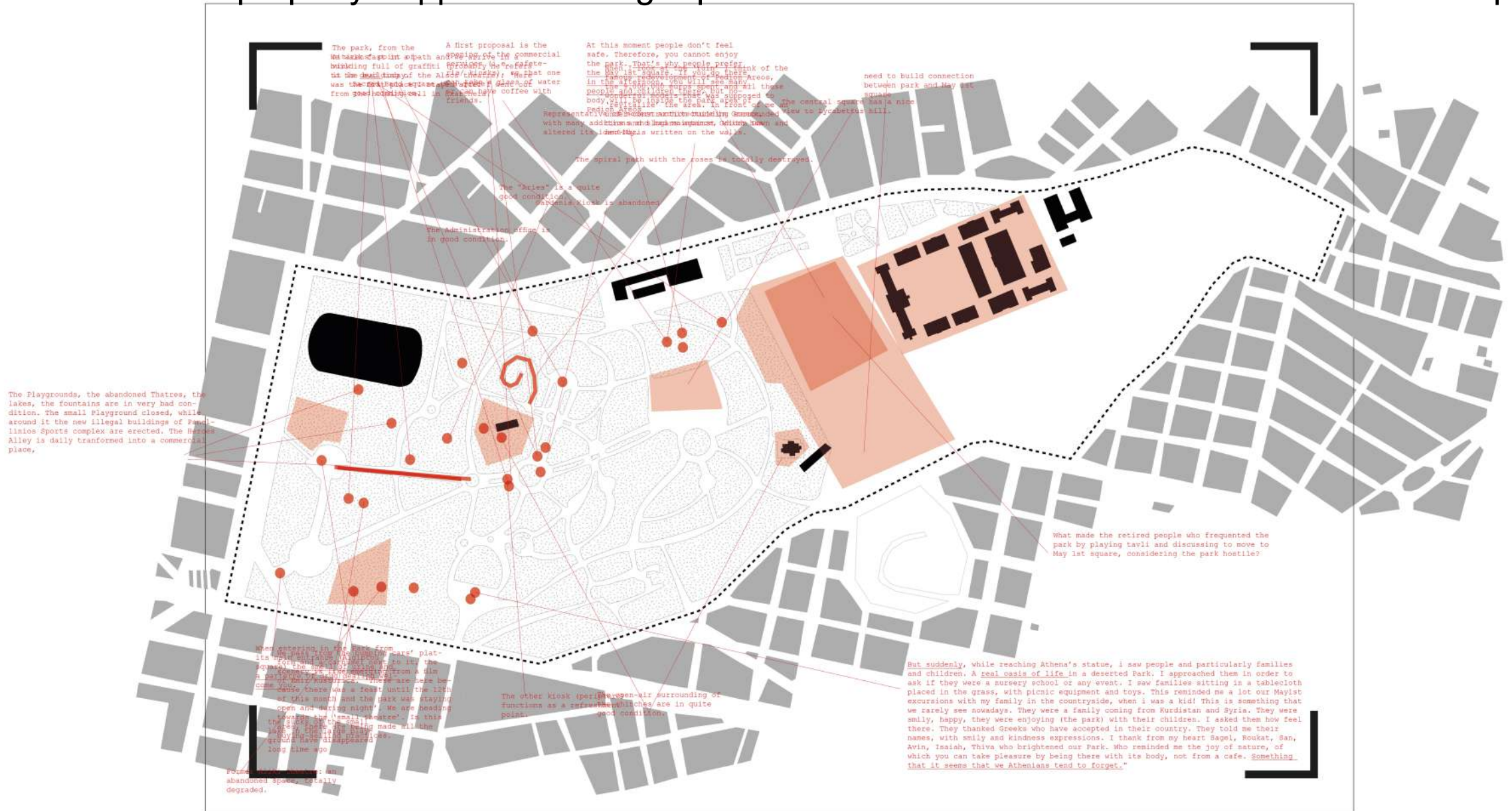
(part of the) table

mapping-and-designing in relationally composed fields | Athina Stamatopoulou

selection of the property - approach through “problems” -

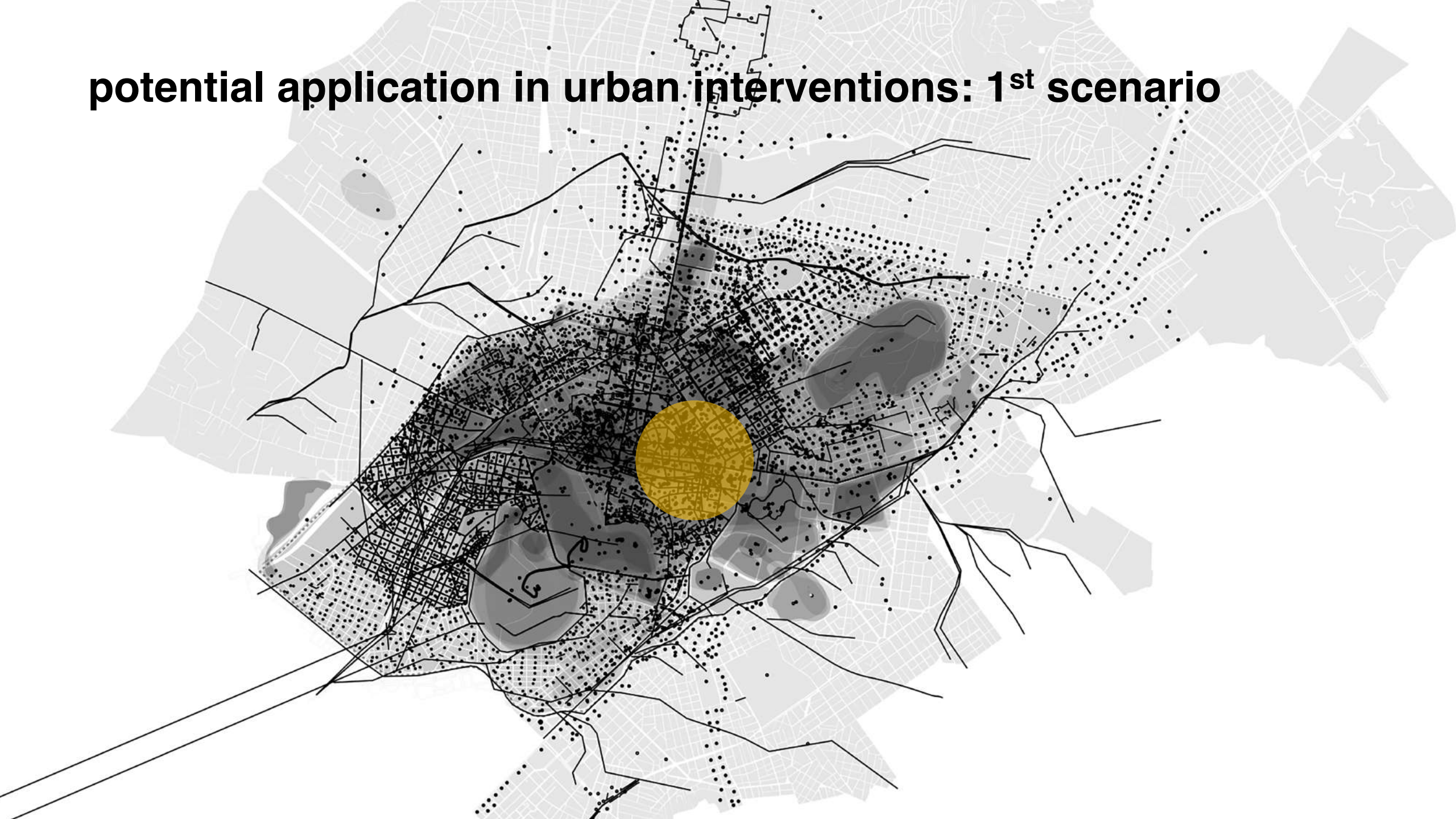
				PUBLISHED DISCOURSE												ON SITE CONVERSATIONS											
				A1 Epi Menoume group - Journalist	A1 Epi Menoume group	A2 Vassilis Bouziotis	A3 Antonis Diniakos - Drug Dealer	A4 Journalist Leo Chanen	A5 Dimitris Sideridis	A6 Avra Papathana siou	A7 Dimitris Koukloum peris	A8 Dimitris Kalantzis	A9 Attica Periphery	A10 Green of Attica	A11 woman	A12 Observato ry of Free Spaces in Athens - Attica	A13 Tompazis Architects	A14 Technika Chronika	A15 Attica Perfecture	B1 Apostolis (17 years old)	B2 Christina	B3 Kalliopi	B4 woman/ Maria	B5 Maria	B6 woman in church	B7 K	B8 S
TIMELINE					2017	2018	2018	2014	2015	2015	2018	2017	2018	2018	2018	2003-2005	2005-2008	1935	2008	2017	2018	2018	2018	2018	2018	2018	2018
>2000																		o									
2001-2004																o											
2005-2009																o			o								
2010-2014								o																			
2015-2017					o				o		o										o						
2018						o	o				o		o	o	o						o	o	o	o	o	o	o
PROPERTIES OF FRAMING:																											
SUBJECT																											
		intersubjective composition			o		o	o					o	o		o	o	o	o	o	o	o	o	o	o	o	o
		one person approach				o				o	o	o			o								o				
		fictional subject																									
		(role while approaching)																									
		citizen			o	o			o		o		o							o	o					o	
		drug user																									
		homeless							o														o				
		mother of a dog in the Park																			o			o			
		profession					o				o	o	o			o	o	o	o			o		o			
		State											o					o	o								
		stroller/ hanging out in the park																									
		taking care of a church																							o		
		walking with the dogs																								o	
		writer																									
NOTIONS/ CONCEPTS/ CONDITIONS/ EVENTS (degree of framing)																											
		memory			o		o				o		o	o						o		o		o	o		
		atmosphere																									
		citizen									o																
		contiguities																									
		disappointment/ despair			o						o			o		o	o						o				
		design/ planning/ composition																o									
		drugs use-selling (against)													o												
		drug use					o				o	o															
		enthusiasm				o																					
		everyday life/ lived experience			o	o	o	o	o	o	o	o		o						o	o		o	o	o	o	o
		fear																									
		general information												o													
		going out (feeling)																									
		history																					o				
		homogeneity											o														
		makeshift camp						o	o																		
		materiality																o							o		
		night life				o	o					o															
		old-new relation												o													
		play										o								o							
		police controls																									
		problems			o								o				o	o									

selection of the property - approach through "problems" - > activation of all references on the map

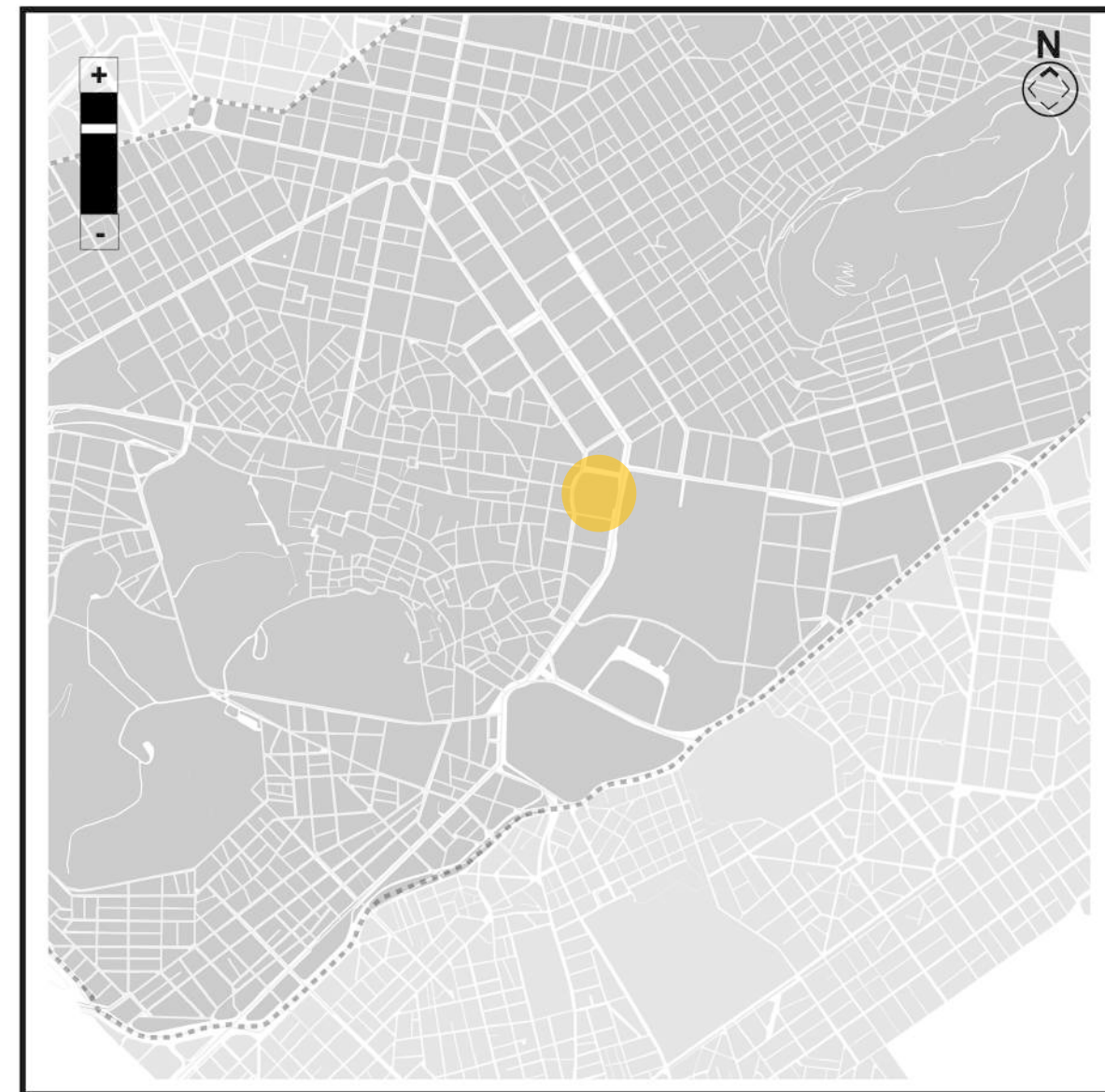


Perspectives of Design Logics

potential application in urban interventions: 1st scenario

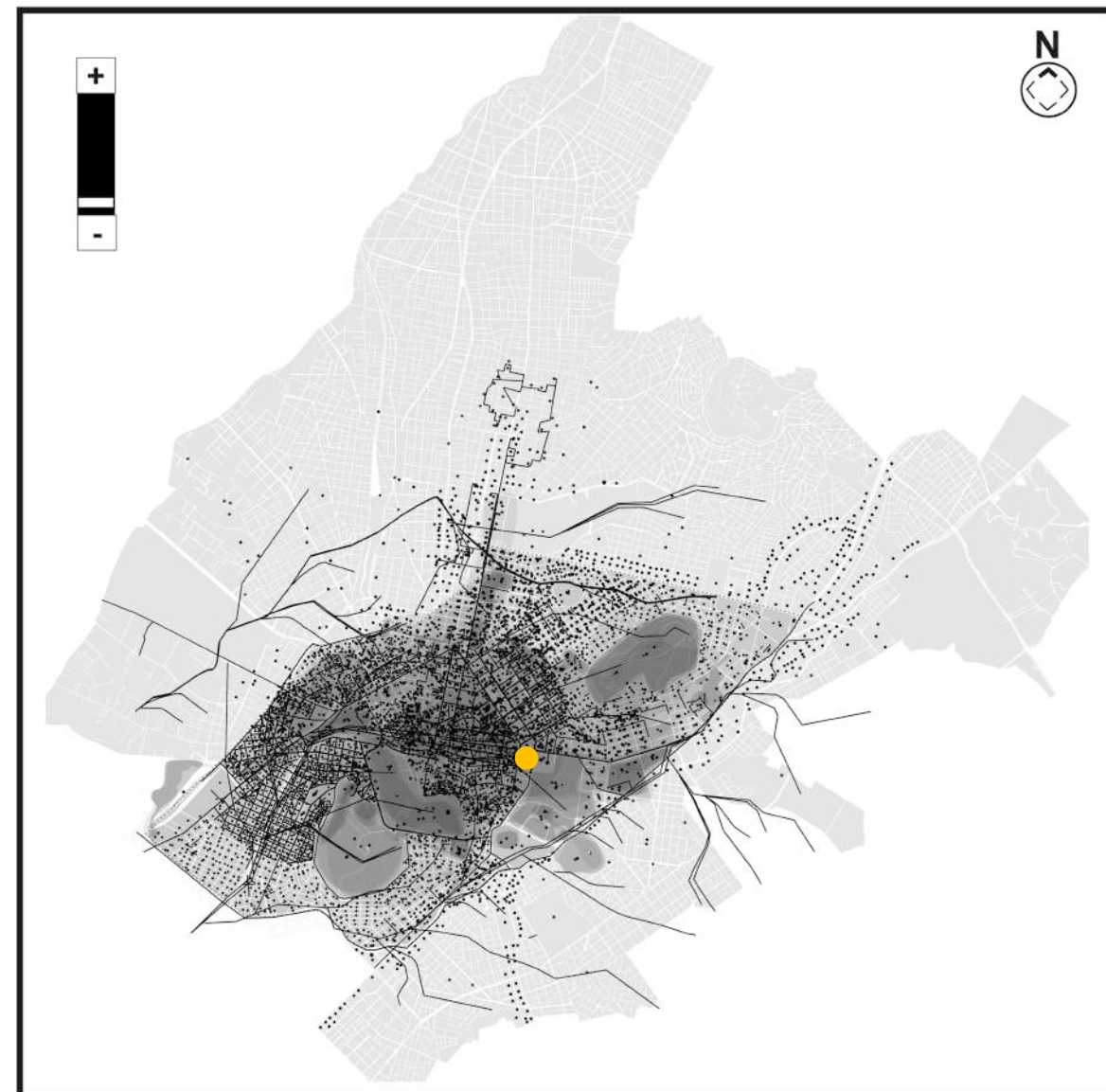


100



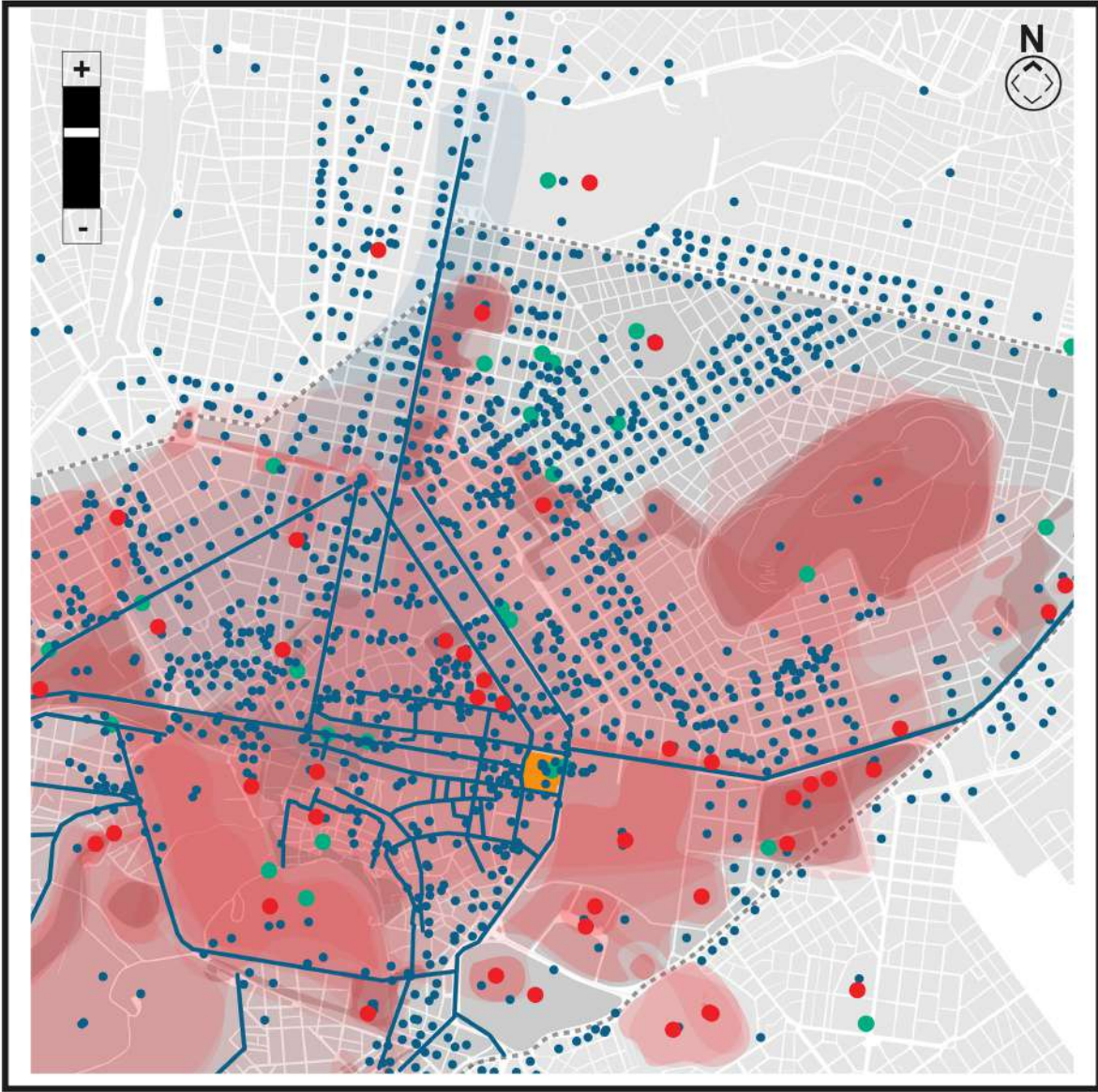
1st scenario

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•	body of the subject who maps = mapping area				
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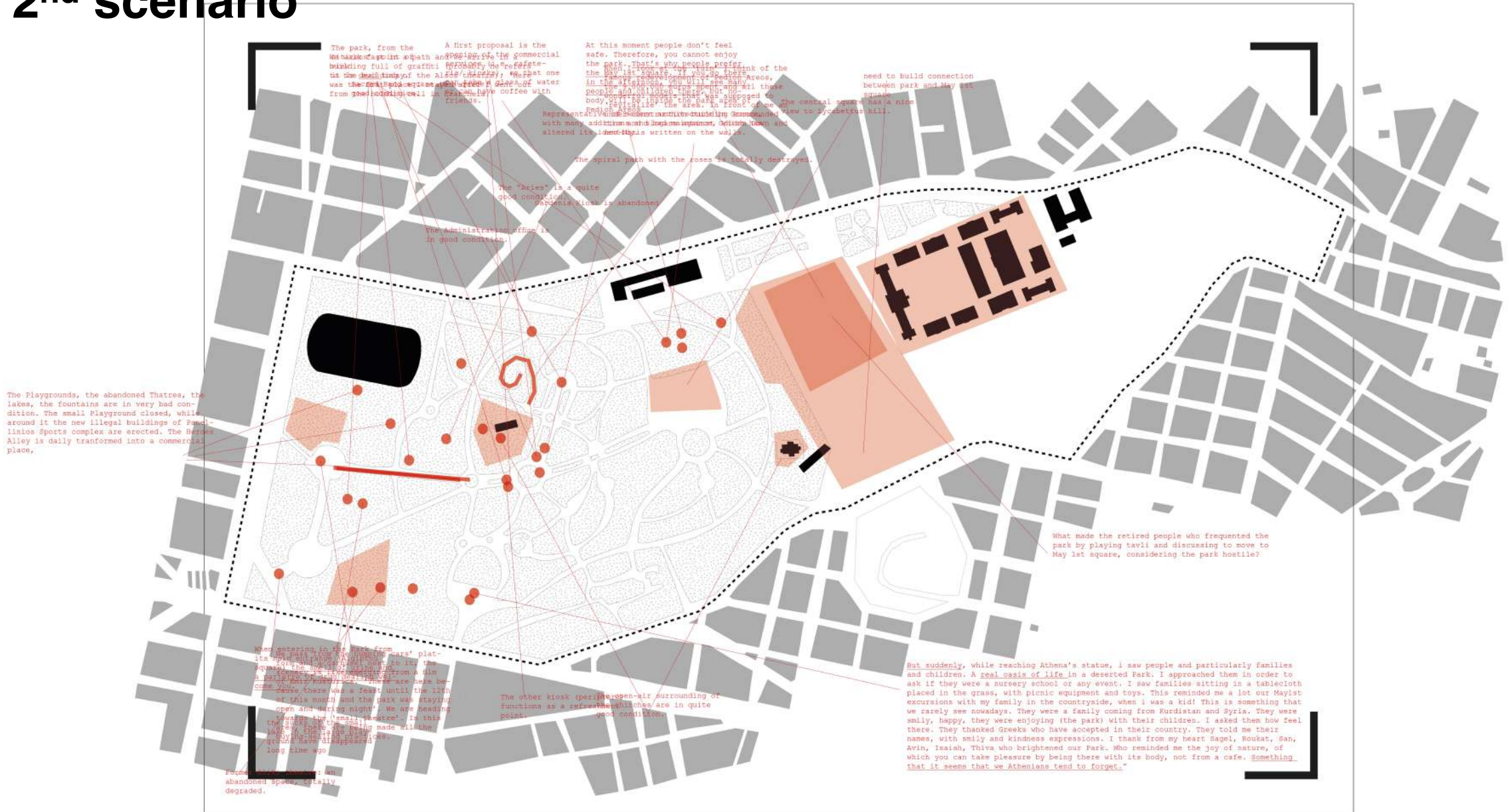


1st scenario

FRAMING		BASE MAP		EXPERIMENT'S MAPPINGS	
A1. OF THE SUBJECT OF THE MAPPING					
in regard to its relationships of inhabitation of the physical field of the mapping area					
in regard to the city as an object of science					
scientific familiarity and specialization in city's issues					
scientific familiarity in city's issues					
neither scientific familiarity nor specialization in city's issues					
A2. OF THE MAPPING BY ITS SUBJECT					
in regard to the city as ideological object					
(CONCEPTS)					
public space					
performativity					
commons					
utopia					
landscape					
identity					
otherness					
event					
state of exception					
subject					
augmented reality					
familiar					
uncanny					
generic					
assemblage					
heterotopias					
language					
discourse					
myth					
city branding					
tactics					
memory					
body					
strategy					
inhabitation					
dynamic field					
in regard to the city as an object that can be analyzed					
(THEORIES/ TOOLS FOR ANALYSIS)					
pattern language					
homeostatic property cluster					
space syntax					
GIS					
in regard to the city as an object of intentional research or design					
in regard to the city as an interdisciplinary object					



2nd scenario



2nd scenario

Spatial relations through negative (-) and positive (+) attributed properties

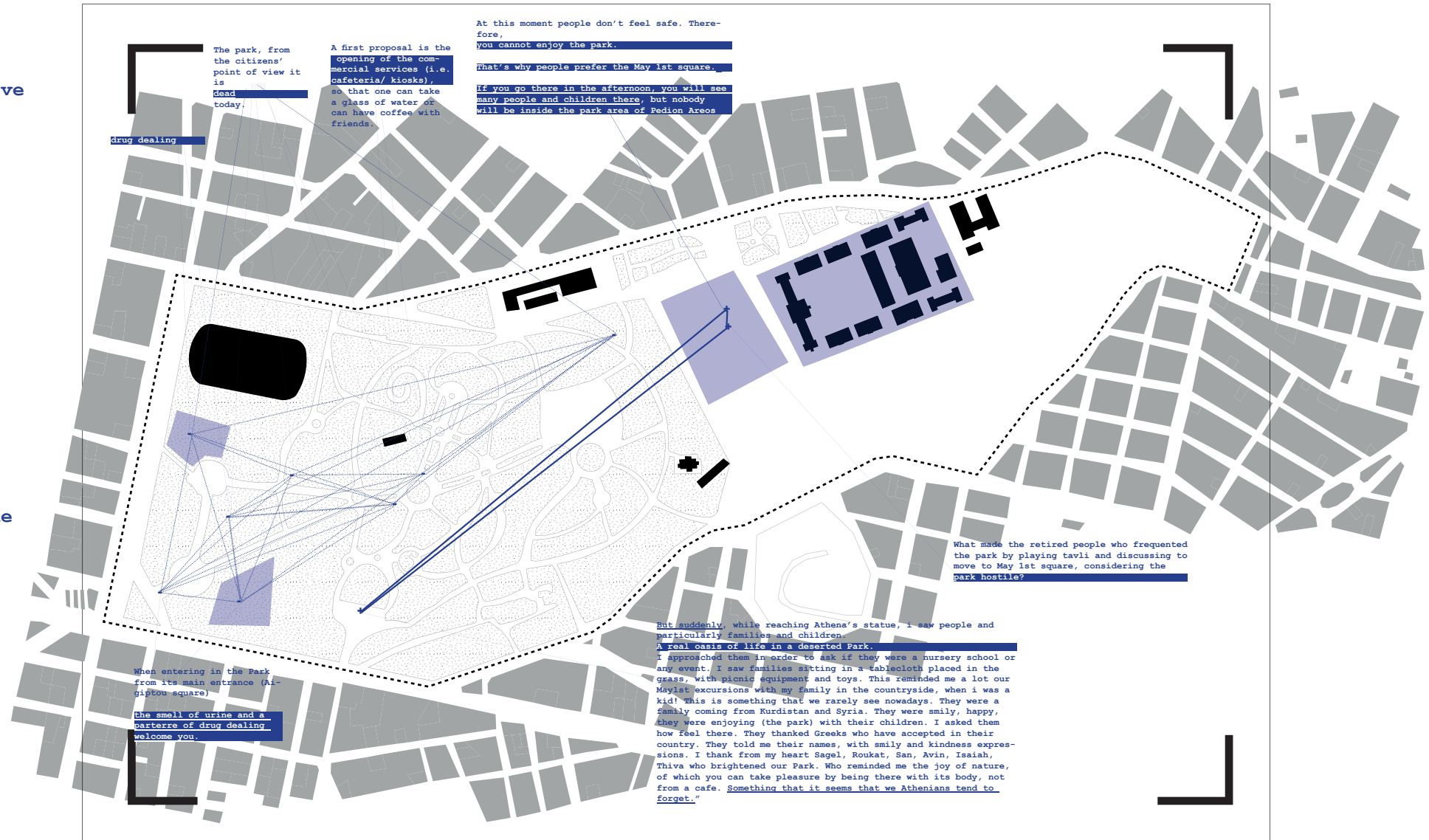
A1

Epi Menoume group initiative
2017-2018

abandoned
bad maintenance
dead park
delinquency
deserted
devaluated
insecurity
lack of cleanliness
lack of WC services
oasis
suffering park
become clean (should)
become safe (should)
more people should go the
park
return from chronic decline
(should)

<>

Administration
Athens Periphery



2nd scenario

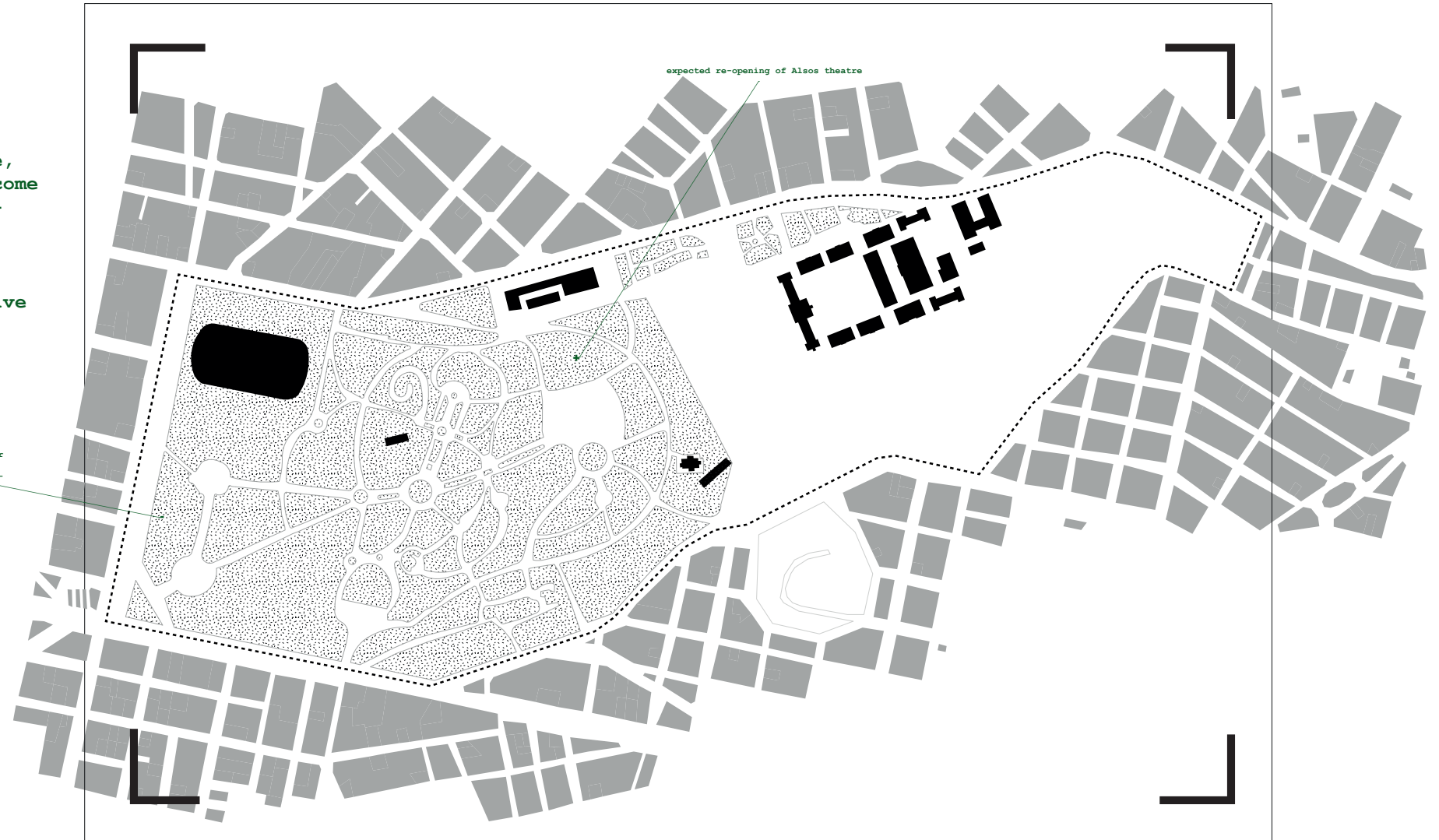
Spatial relations through negative (-) and positive (+) attributed properties

A9
Attica Periphery
2018

abandoned, bad maintenance,
in critical condition, become
clean, become safe, infra-
structure restorations

<>
Epi Menoume group initiative

The park won't become "white" nor
"green" by painting buildings or
other self-promotion attempts be-
fore the elections.



2nd scenario

Spatial relations through negative (-) and positive (+) attributed properties

A12

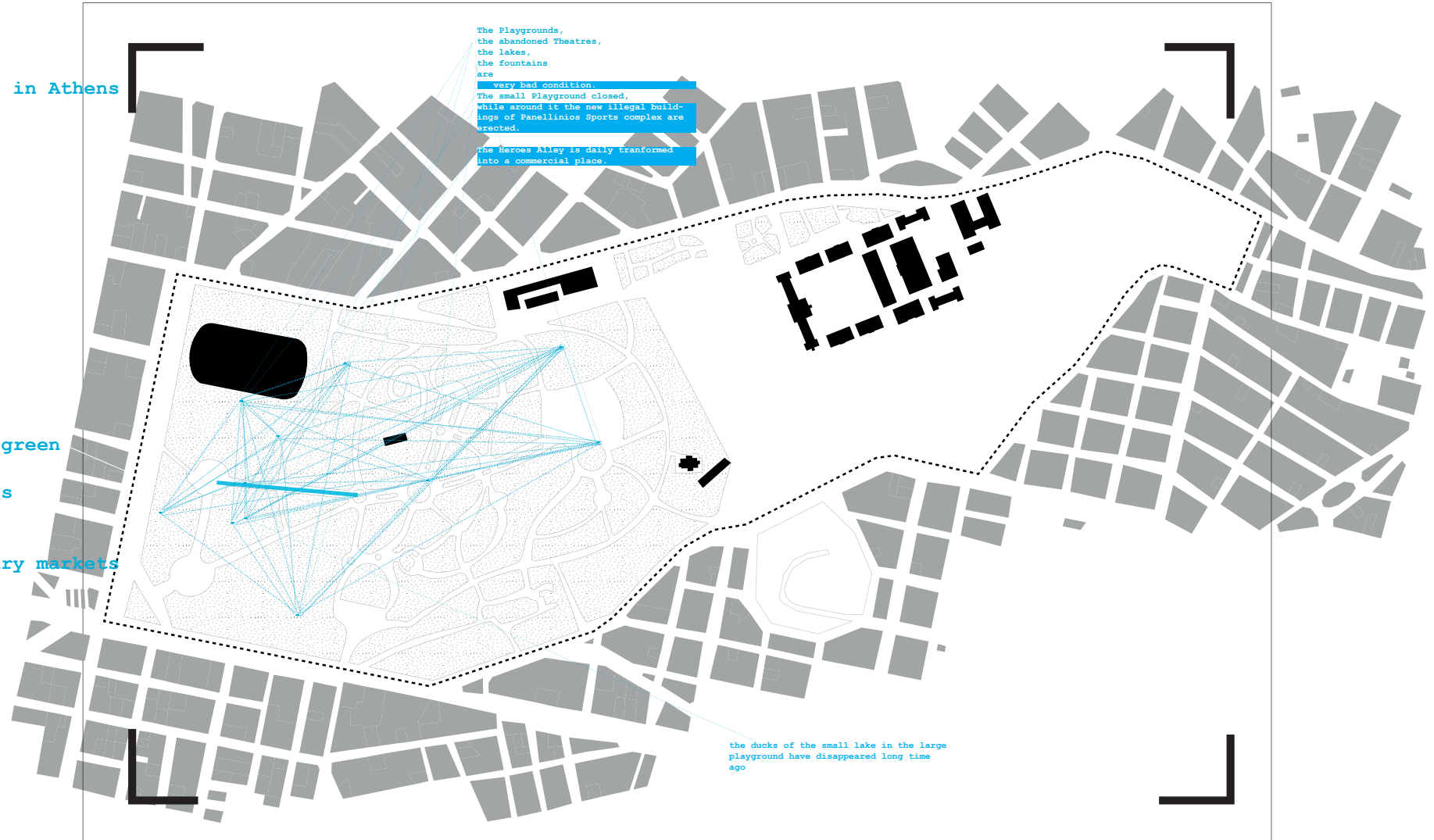
Observatory of Free Spaces in Athens
2003-2005

abandoned stray dogs
bad lighting
bad maintenance
communal space
dangers
dark
decay
decline
dirtiness
entertainment
fenced off areas
inaccessible at night
illegal buildings against green
insecurity
lost publicness/ commonness
monumental park
neglected
noise pollution by temporary markets
polluted

to relax
to think
to walk

<>

against:
the State,
Redevelopment Plans,
entrepreneurs



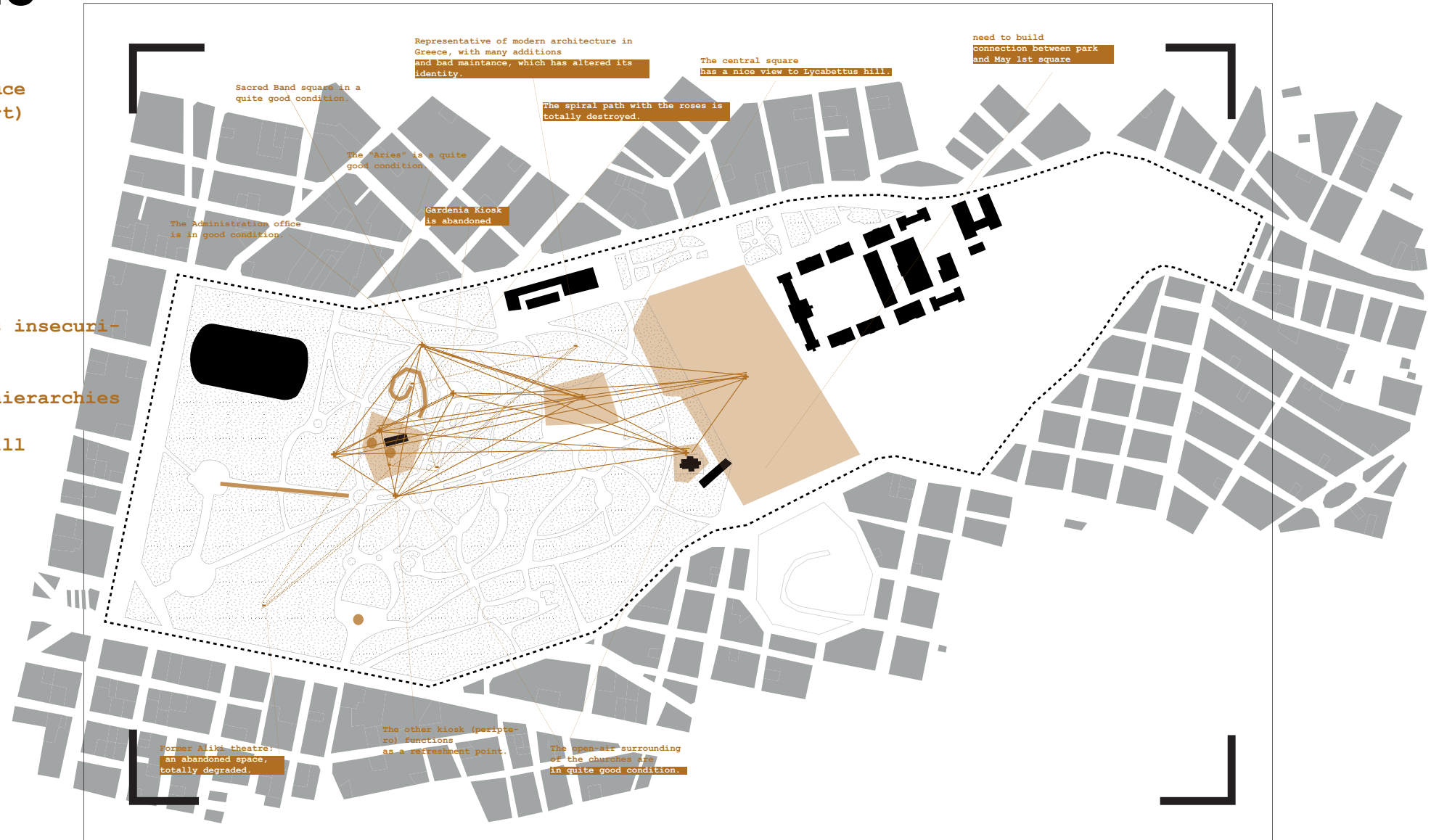
2nd scenario

Spatial relations through negative (-) and positive (+) attributed properties

A13

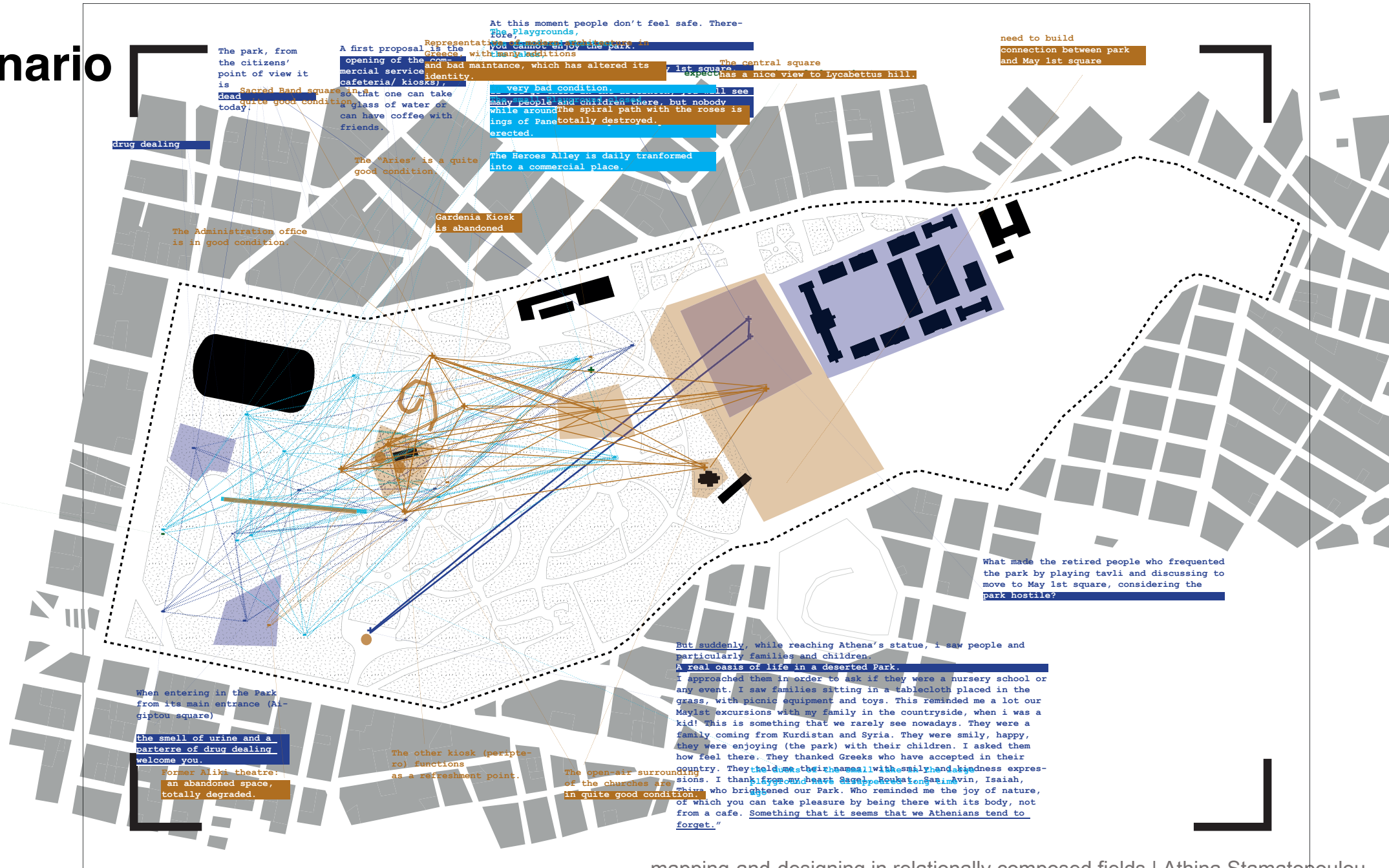
Tompazis Architectural Office
(redevelopment plans report)
2005-2008

aged
bad lighting
bad maintenance
benches in bad condition
devaluated
destructions
diversity of trees/ plants insecurity
lack of WC services
paths to be organized in hierarchies
vandalized monuments
nice view to Lycabettus hill



2nd scenario

The park won't become "white" nor "green" by painting buildings or other self-promotion attempts before the elections.



[mapping-and-designing in relationally composed fields]

holistic approach

relationality-territoriality synergy

analysis-based design

heterogeneity of places/identities

thank you