

P5 PRESENTATION
22/06/2022

REJUVENATING
THE

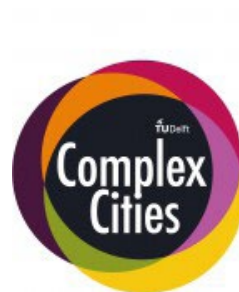
CORE

OF
UMM AL-FAHEM

أم الفحم

MENTORS:
CAROLINE NEWTON
LEO VAN DEN BURG

DELEGATE:
WILLEM KORTHALS ATLES

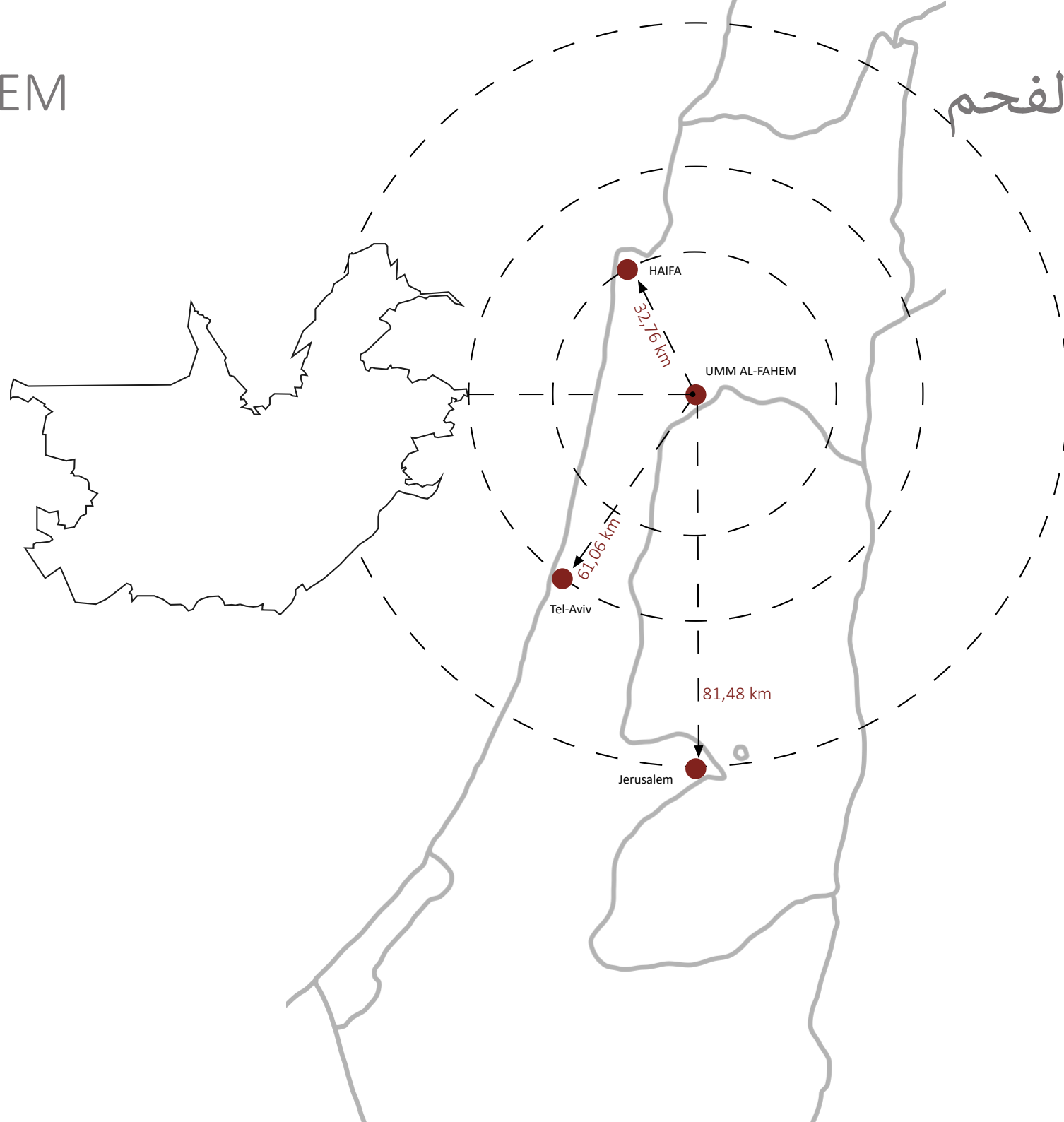


PRESENTATION OUTLINE

- INTRODUCING CONTEXT
- METHODOLOGY
- SOCIO-SPATIAL ANALYSIS
- REJUVENATION STRATEGIES
- INTERVENTION SCENARIOS
- DESIGNING UMM AL-FAHEM EYE
- CONCLUSION

UMM AL-FAHEM

ام الفحم

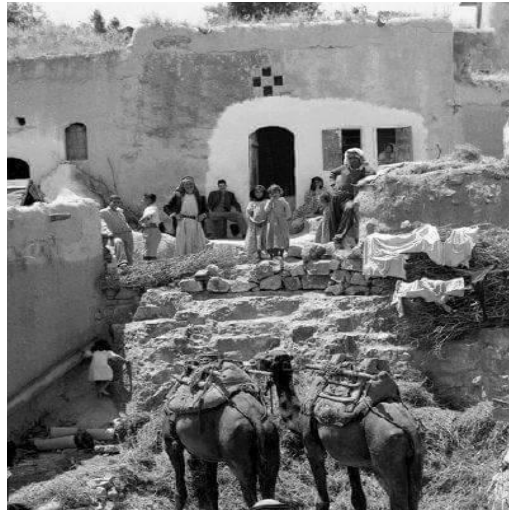


Country: Israel
District: Haifa
Population: 56,250
Area: 25.5 km²
Density: 2,200/km²
Since: before 1265
Religion: Islam

“A city that evolved in the absence of plans and tools suitable to local needs”

(OECD,2017)

CITY OF HISTORY AND CULTURE



Mamluk era
1265

Ottoman era
1517

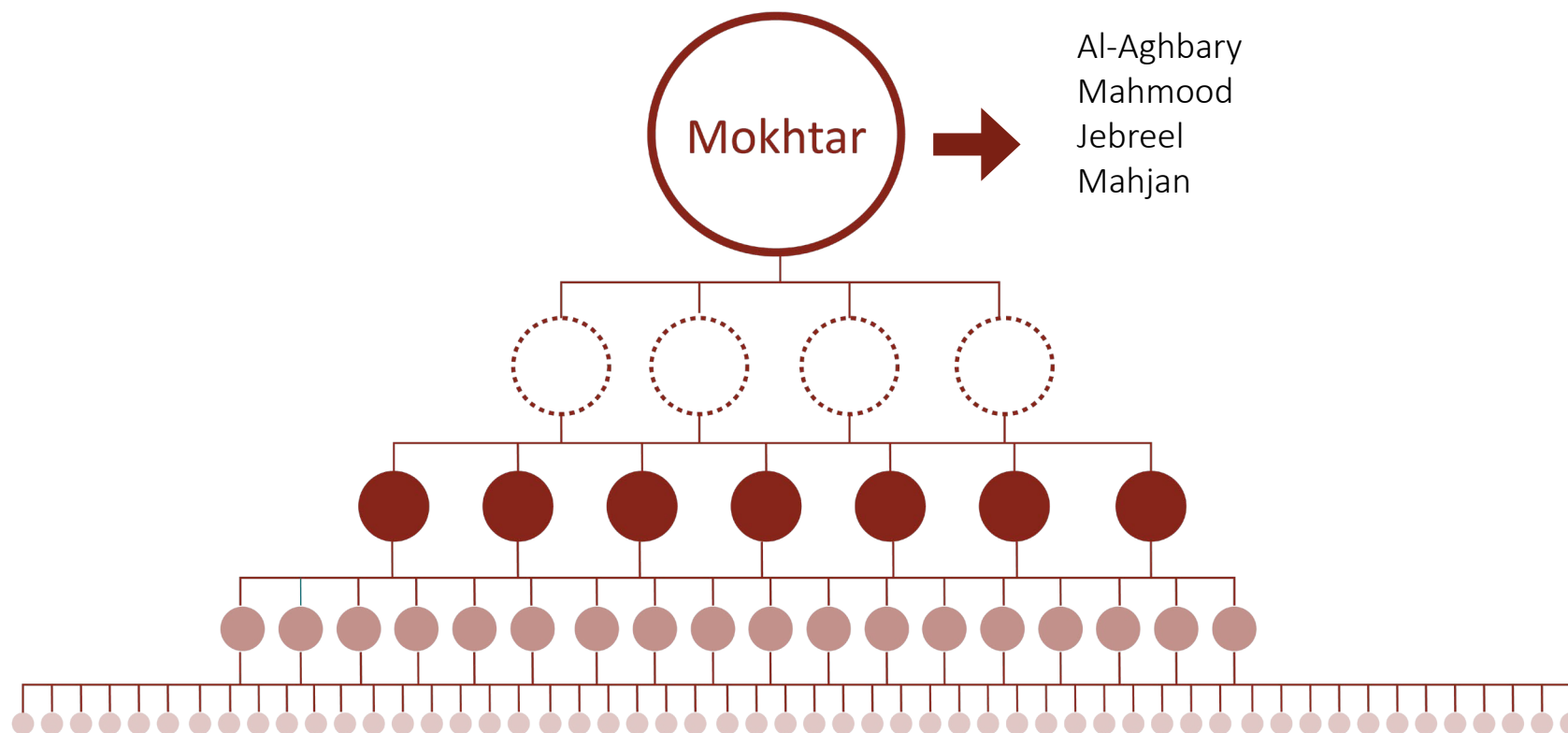
British Mandate era
1922

State Of Israel
1948

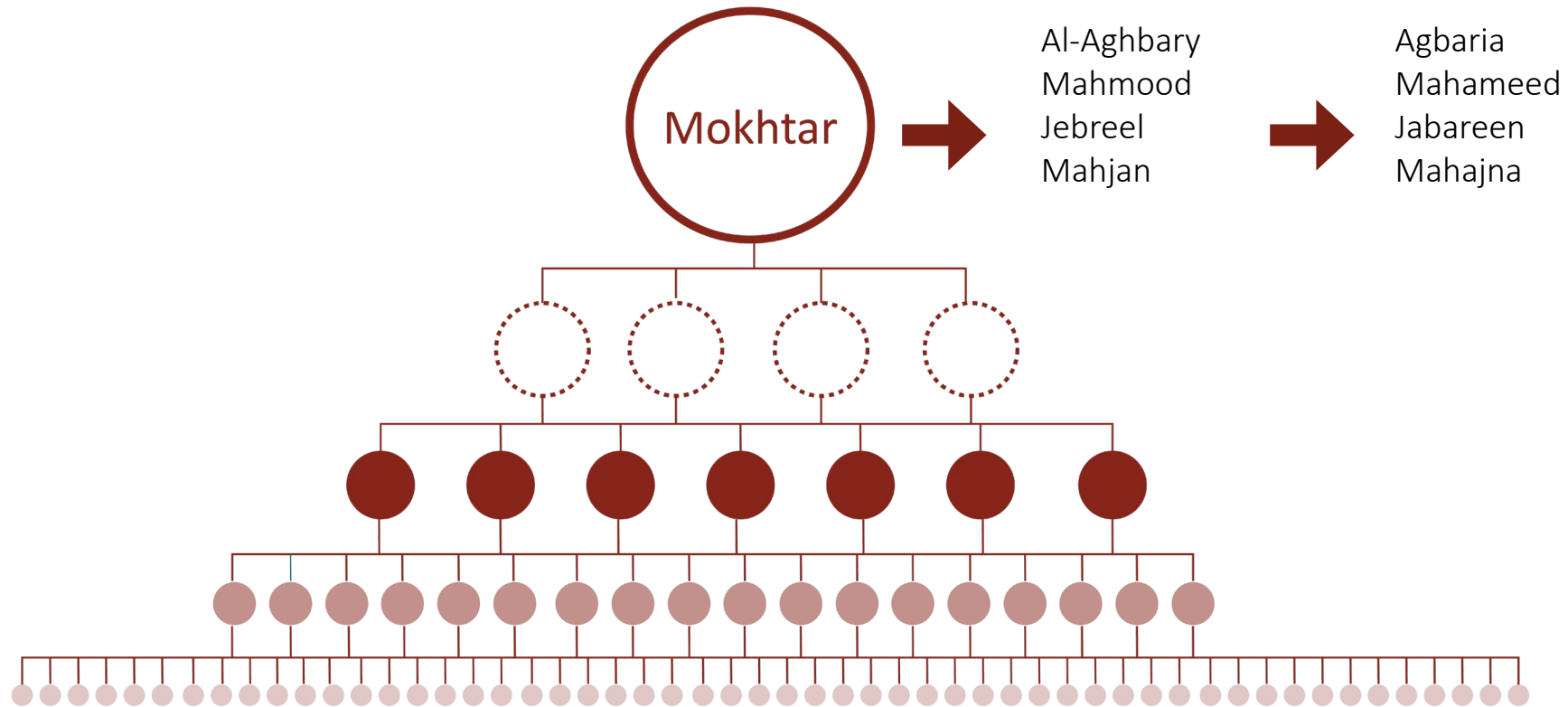
CITY OF POLITICS AND STRONG OPINIONS



CITY OF FAMILIAL SYSTEM

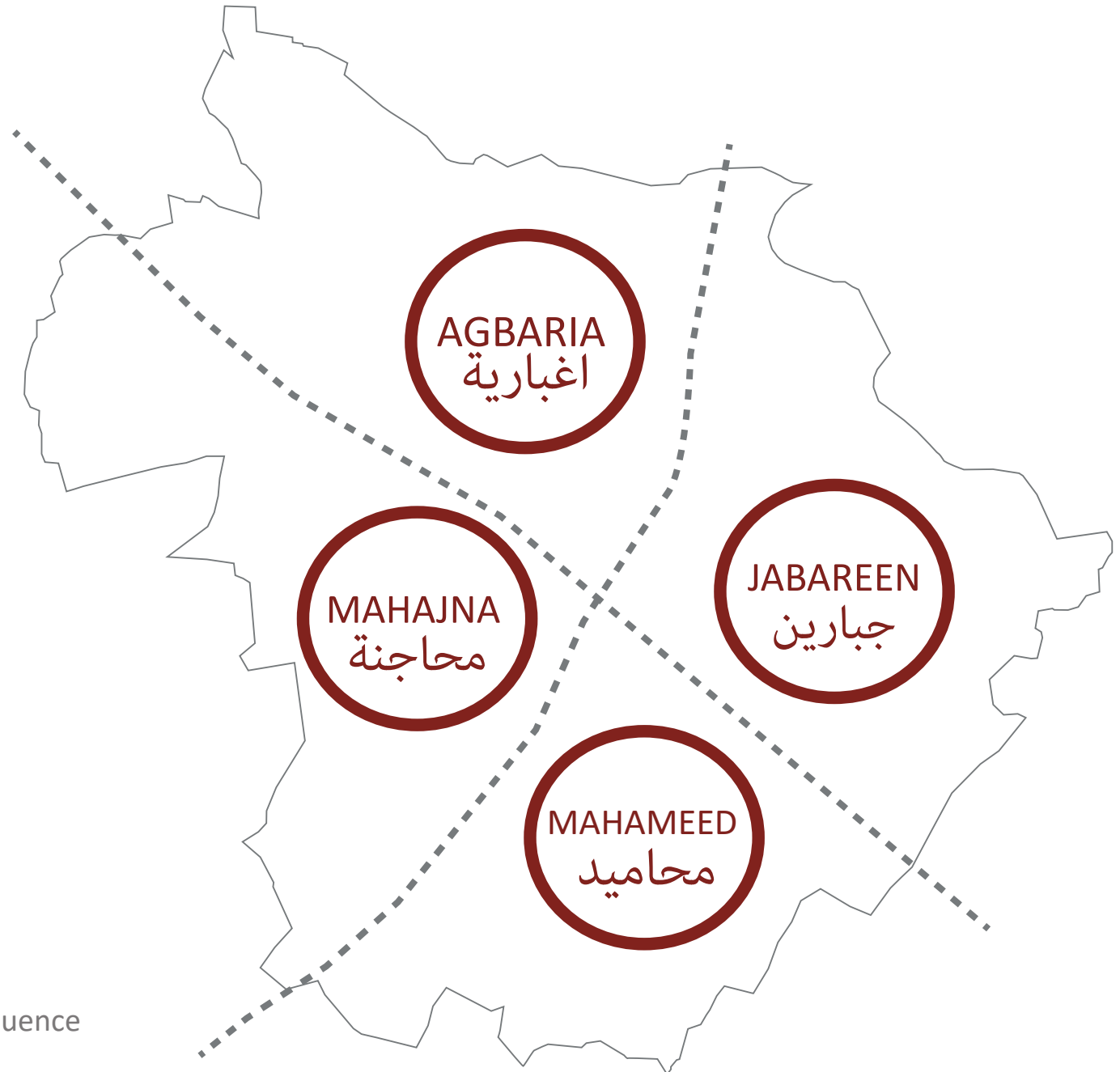


CITY OF FAMILIAL SYSTEM



Zahra Marwan Mustafa Assad Mustafa Yassin Mousa ben Eisa Al-Aghbary (Agbaria)

FAMILIAL SYSTEM CONSEQUENCES



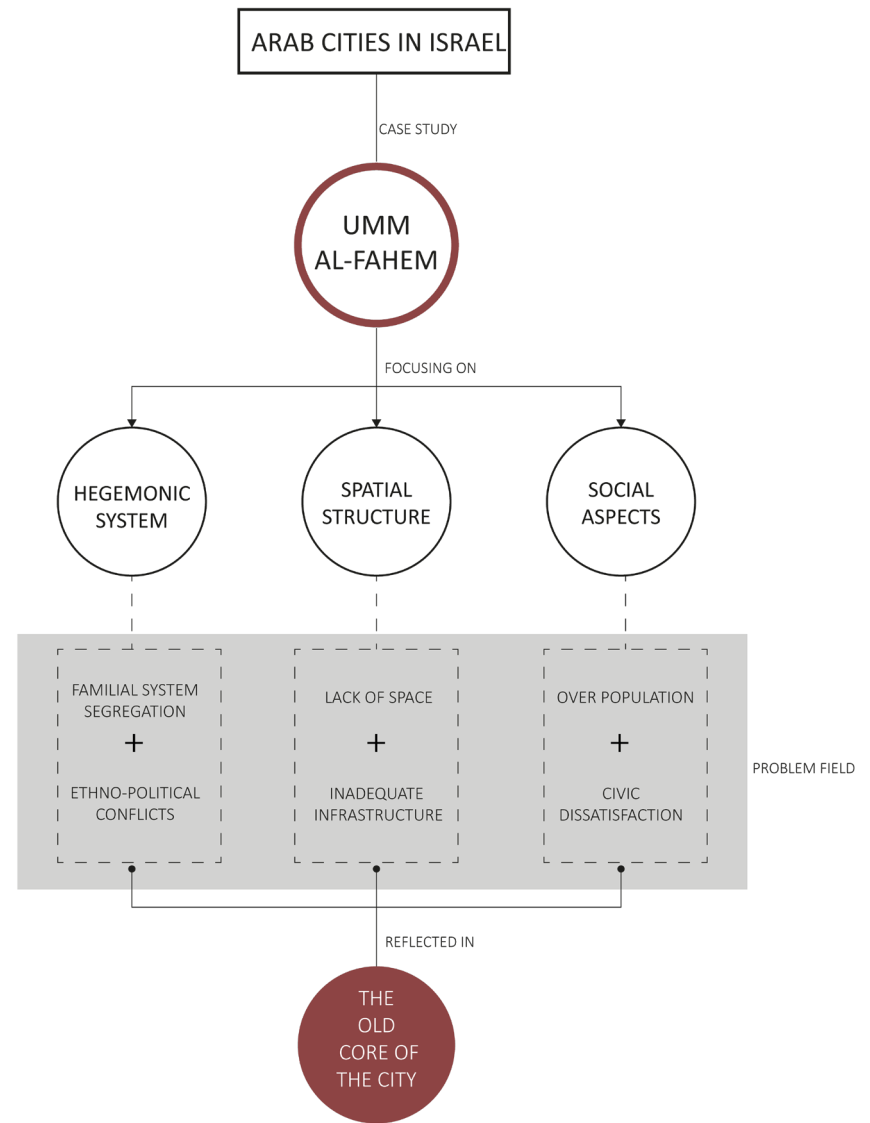
- The village of four families
- Each family establishes own territory
- Social and spatial segregation as a consequence

THE OLD VILLAGE IS THE NEW CORE



PROBLEM STATEMENT

This unevenness between the social and spatial developments in the Arab cities can lead to a lack of public spaces, unsafe environments, and social complications within.



QUICK KEY TERMS

REJUVENATION

تجديد

SOCIAL INTEGRATION

اندماج اجتماعي

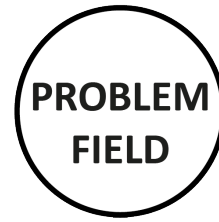
SPATIAL ACCESSIBILITY

إمكانية الوصول المكاني

HEGEMONY

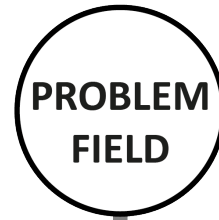
سلطة | حكم

AIM OF THE PROJECT



Familial system segregation
Ethno-political conflict
Overpopulation
Civic dissatisfaction
Lack of space
Inadequate infrastructure

AIM OF THE PROJECT



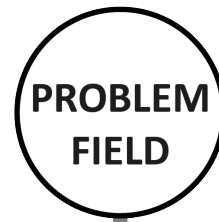
Familial system segregation
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Intervention strategies are based on inclusive planning and maximization approach.

AIM OF THE PROJECT

Intervention strategies are based on inclusive planning and maximization approach.



Familial system segregation
Ethno-political conflict
Overpopulation
Civic dissatisfaction
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Inadequate infrastructure



To rejuvenate is to give new vitality to something old in order to give it new life, and rejuvenation is the process of freshening something up or reviving it.

RESEARCH QUESTION

To what **extent** can the socio-spatial **strategies** rejuvenate the stagnated core of Umm Al-Fahem to be **socially integrated and spatially accessible**?

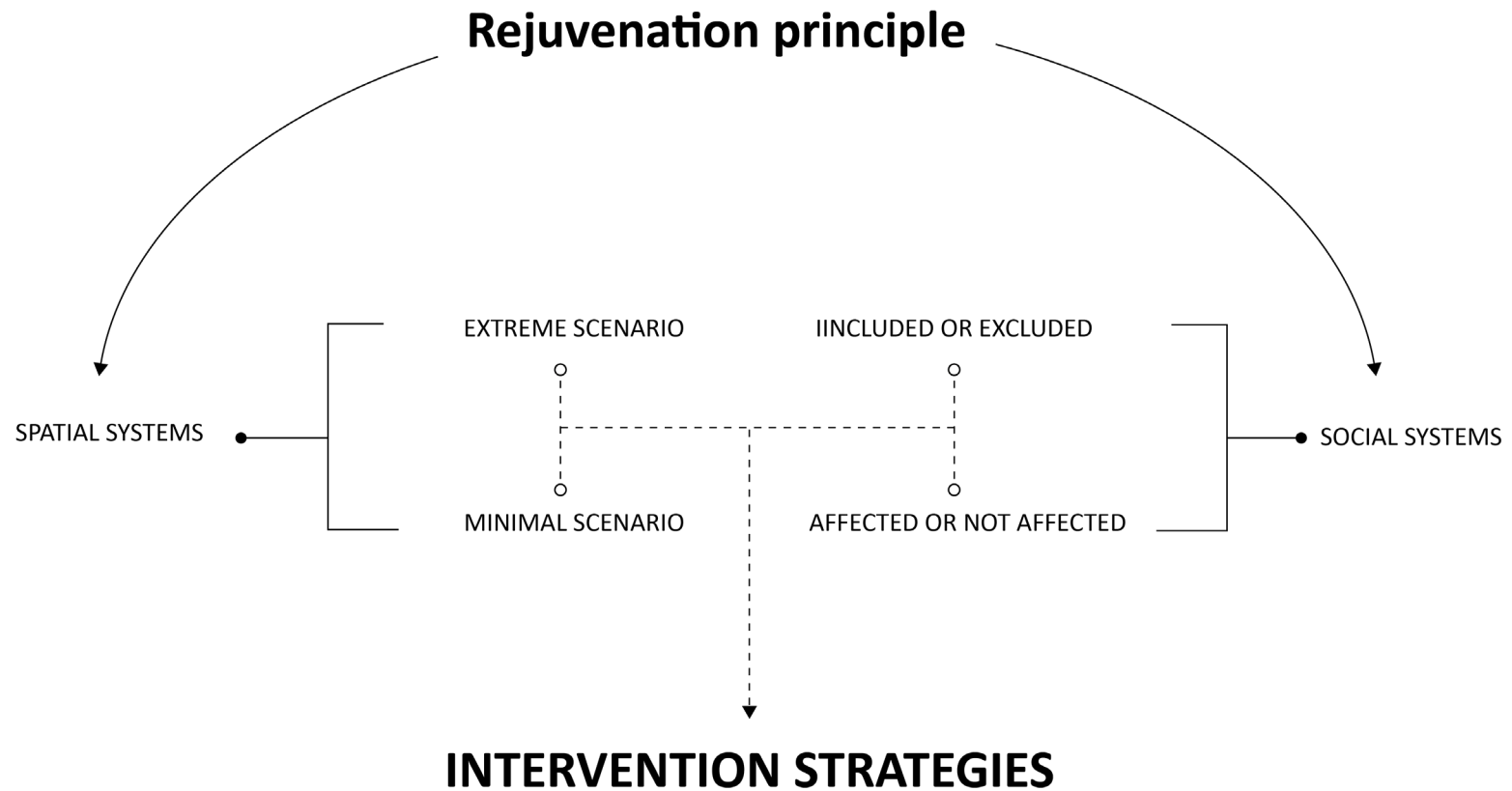
WHY TO REJUVENATE?

To rejuvenate is to give **new vitality to something old** in order to give it new life, and rejuvenation is the process of freshening something up or reviving it.

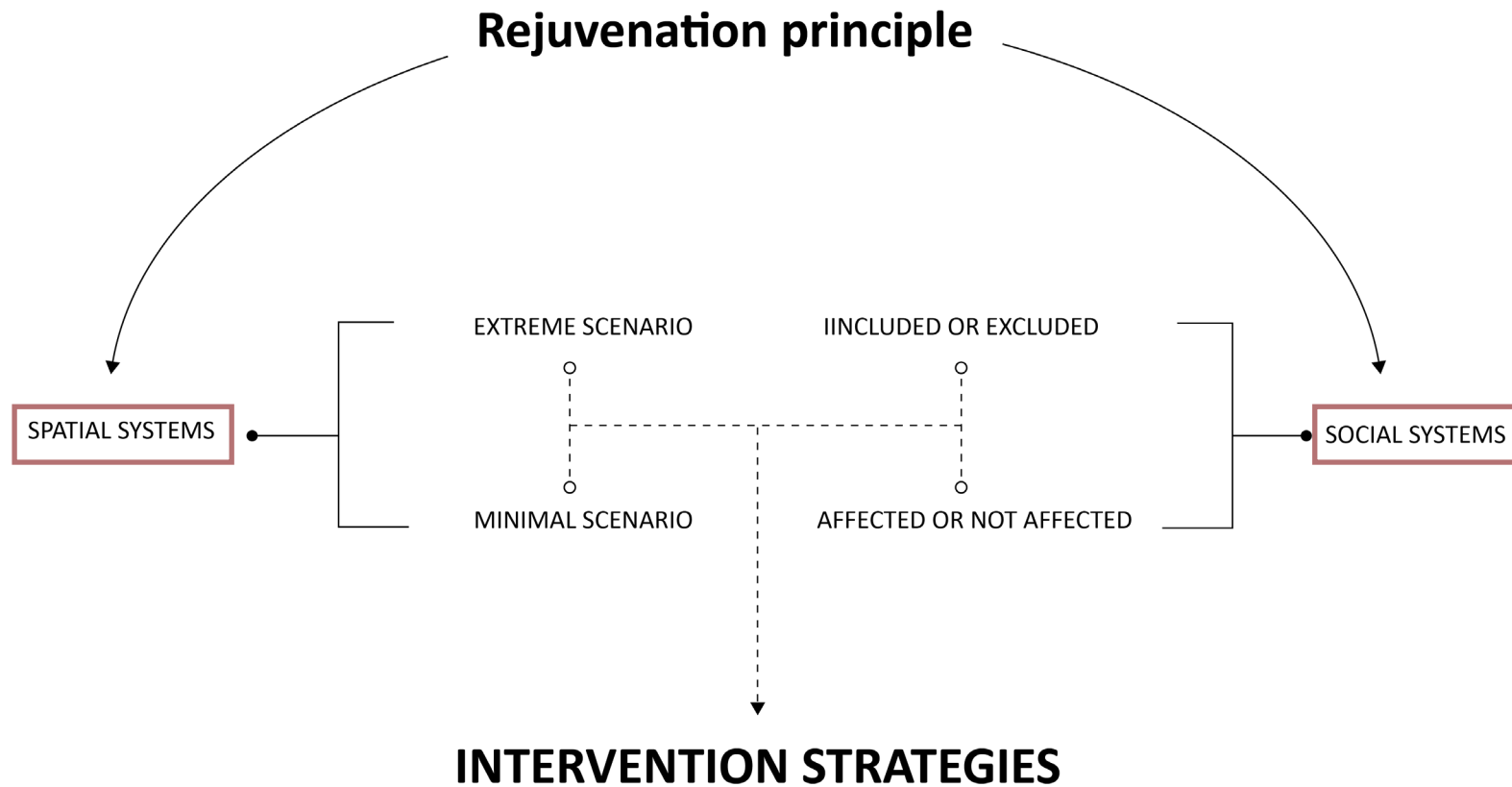
In the case of Umm Al-Fahem, **rejuvenation is the tool to bring back the life of the historic core of Umm Al-Fahem to its people.**

HOW TO REJUVENATE?

PRINCIPLE TO STRATEGIES

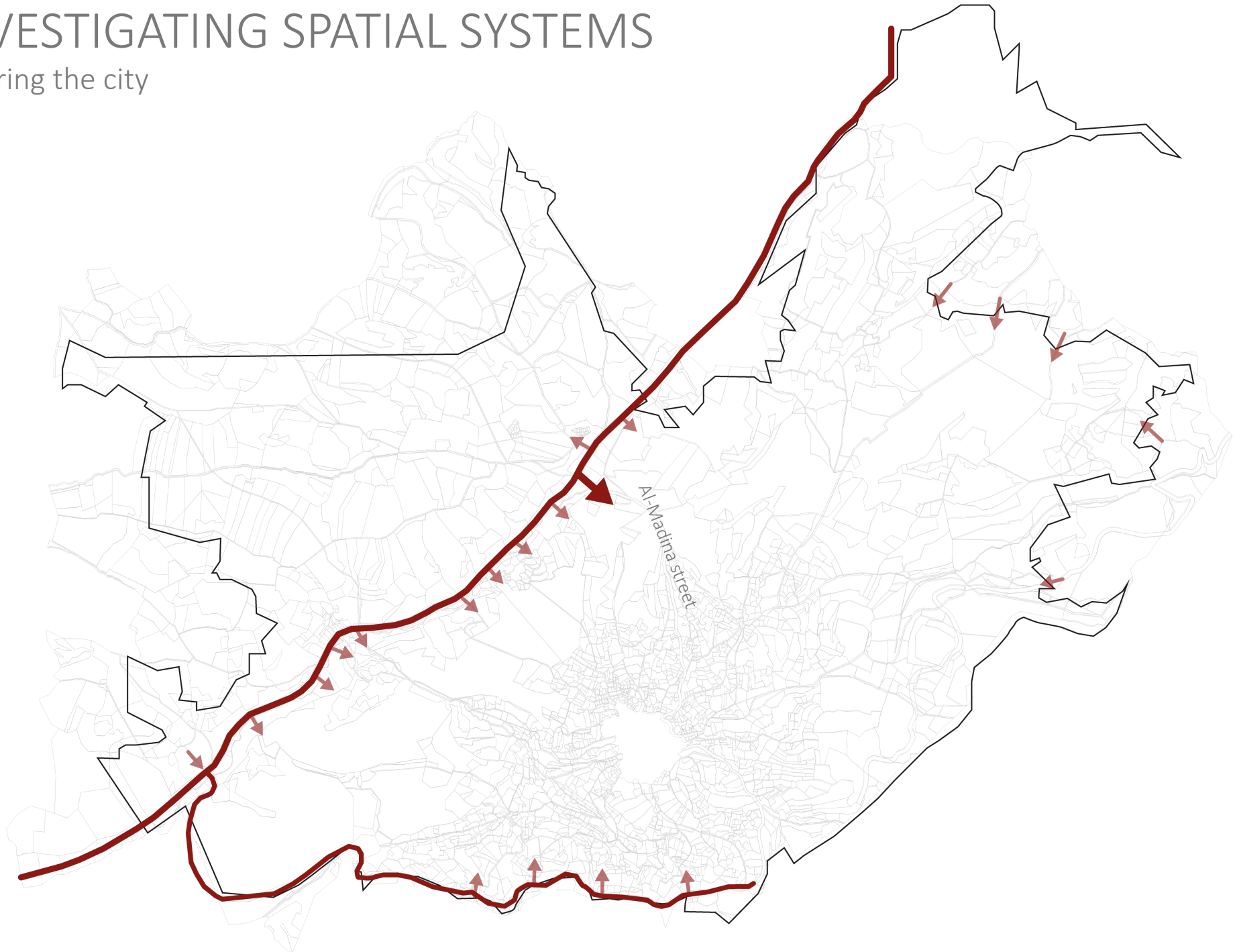


INVESTIGATING SYSTEMS



INVESTIGATING SPATIAL SYSTEMS

Entering the city



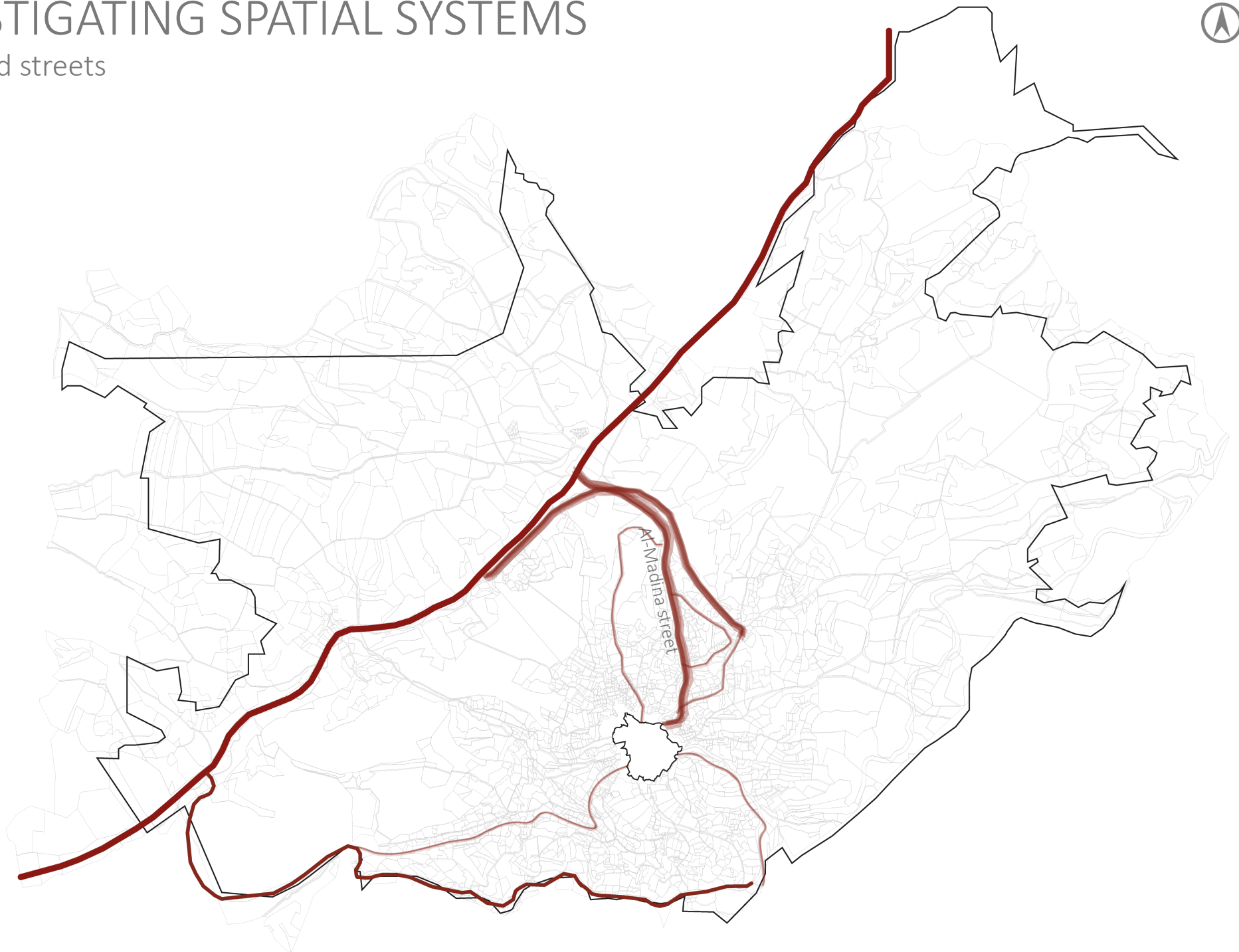
INVESTIGATING SPATIAL SYSTEMS

Commercial function



INVESTIGATING SPATIAL SYSTEMS

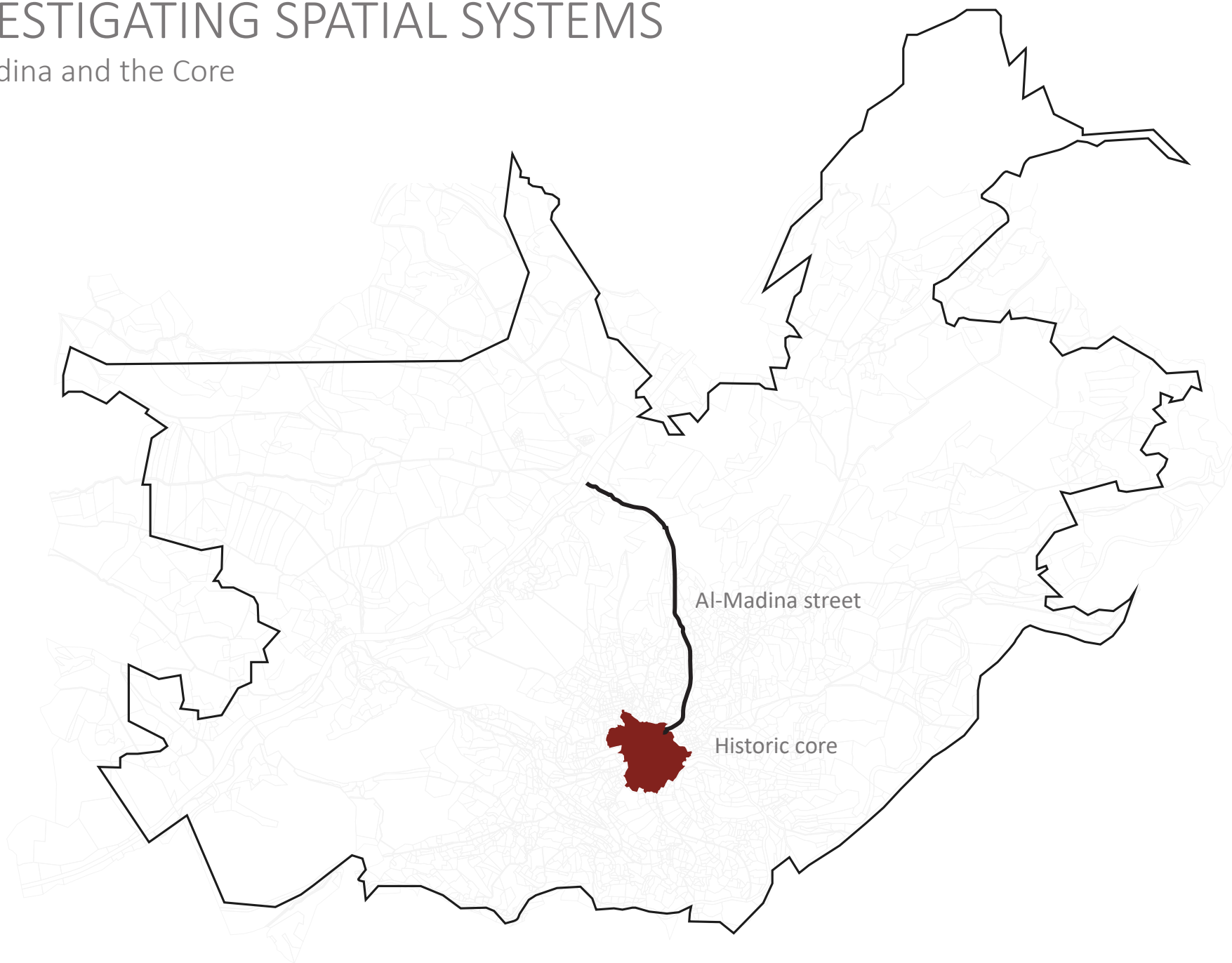
Most used streets



***AL-MADINA STREET AS A
SOCIO-ECONOMIC CENTER
OF UMM AL-FAHEM***

INVESTIGATING SPATIAL SYSTEMS

Al-Madina and the Core



INVESTIGATING SPATIAL SYSTEMS

Al-Madina and the Core



- The connection point between Al-Madina street and the historic core
- The most used entrance to the core is via Al-Madina street



- Extremely dense core

- Unorganized structures

INVESTIGATING SPATIAL SYSTEMS

Important locations in the core



Old municipality: connecting all neighbourhoods



Mosques in core: mosque per neighbourhood

*LACK OF
MULTI-FUNCTIONALITY
IN THE HISTORIC CORE*

PEOPLE ABOUT THE CORE

We need a safe place for our children and their children!

**The roofs are for the women and the street used to be
for men, but now its for cars.**

It is weird if you move without a car

I don't feel safe anymore

I just want a seat and street lighting to be able to just sit somewhere

And now those elderlies are gone, the neighborhood is gone

People don't raise their children
anymore, damn them, thats why these
weapons are swimming freely among us

Umm means mother, and Umm Al-Fahem as a city is our mother that contains all 4 families

The core became too tight, so they killed it and moved it to the main street

فش محل للكل

*We lost the root of this city, we lost the
love of people*

Don't come and start making changes!!

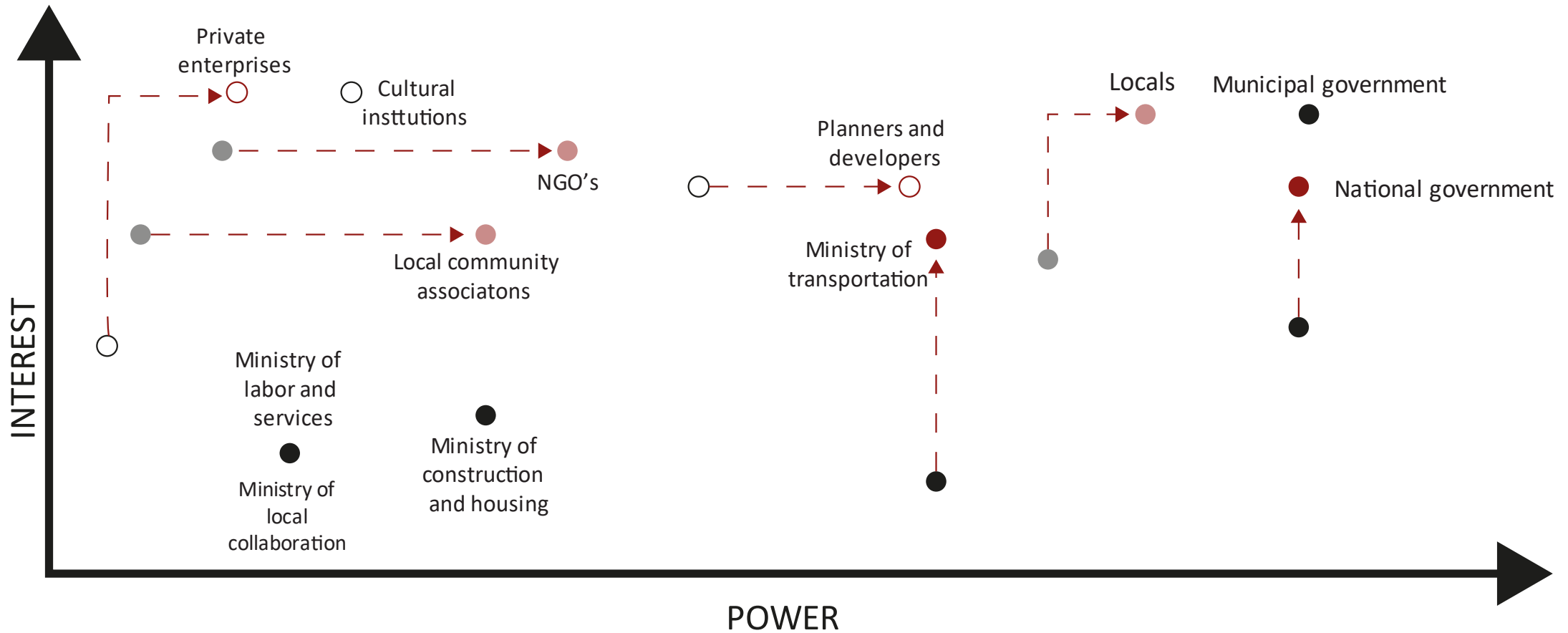
بطل في سبب اطلع عالبلد فوق

الجنة بلا ناس ما بتنداس

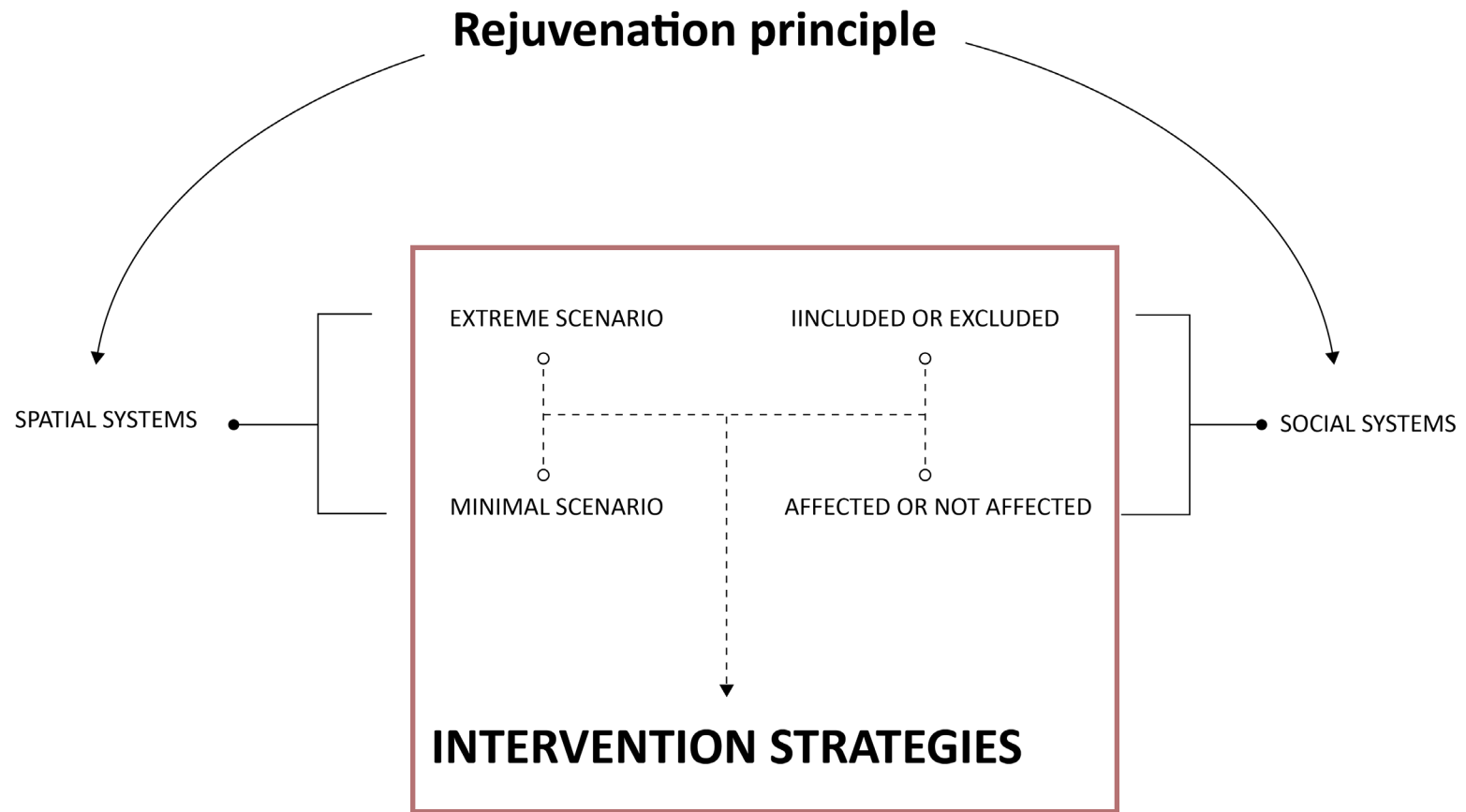


SHIFTING INTEREST AND POWER OF STAKEHOLDERS

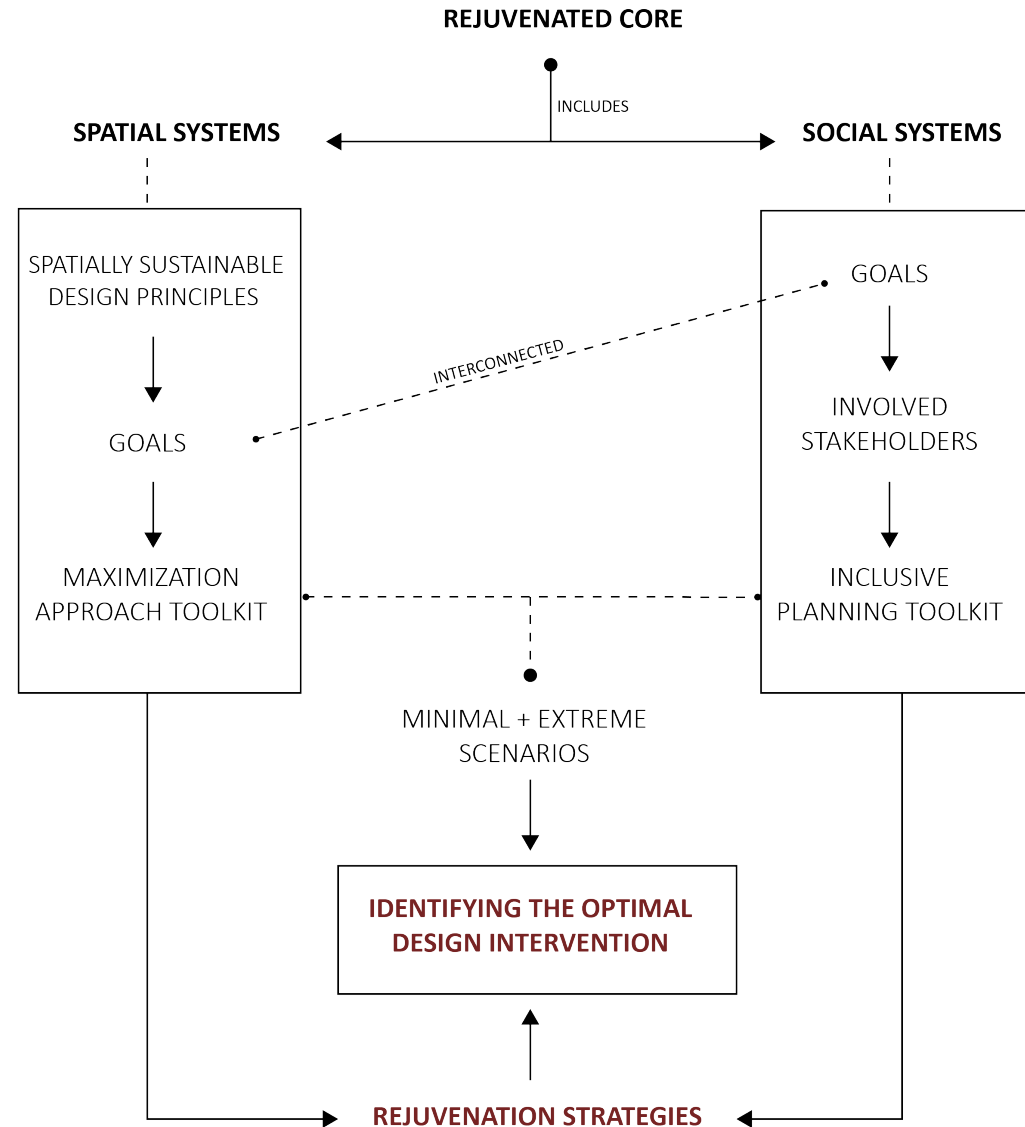
- Public sector
- Private sector
- Civic sector
- Shift



INTERVENTION STRATEGIES



STRATEGY MAKING PROCESS



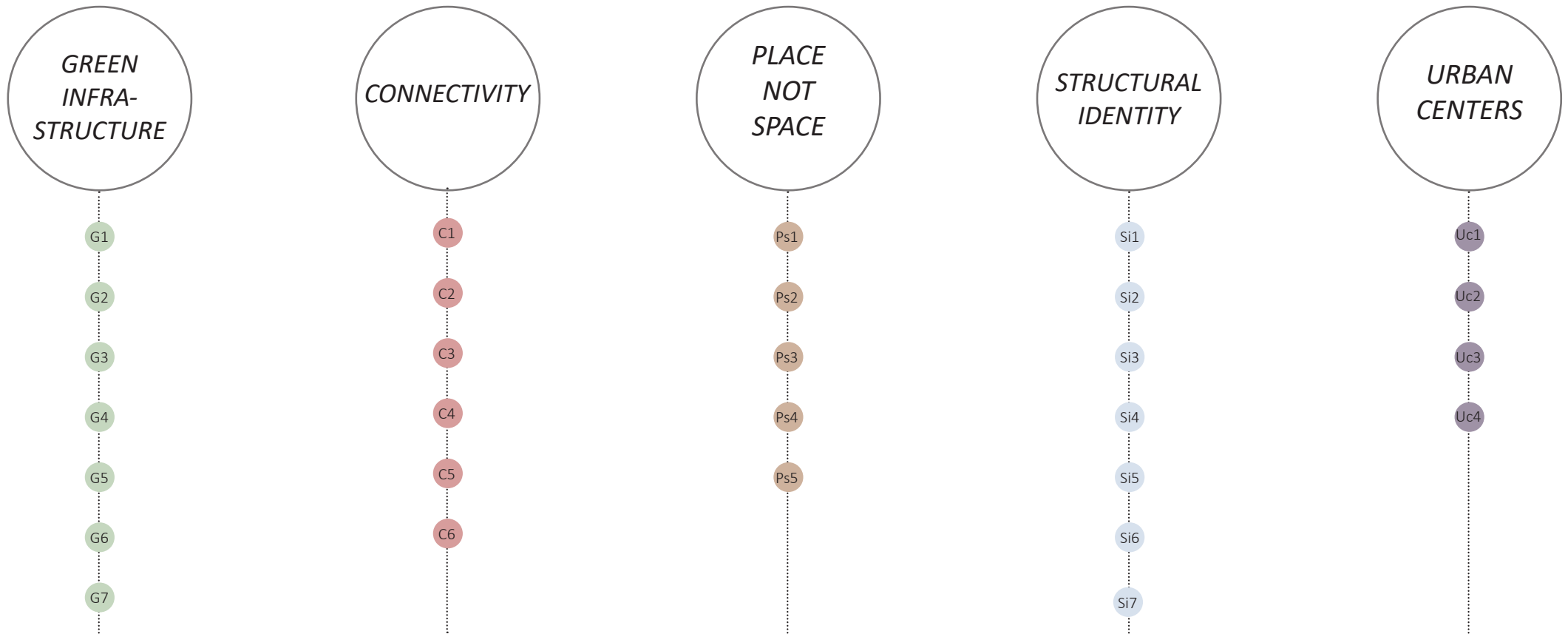
SPATIAL SYSTEM STRATEGIES

SPATIAL SYSTEMS

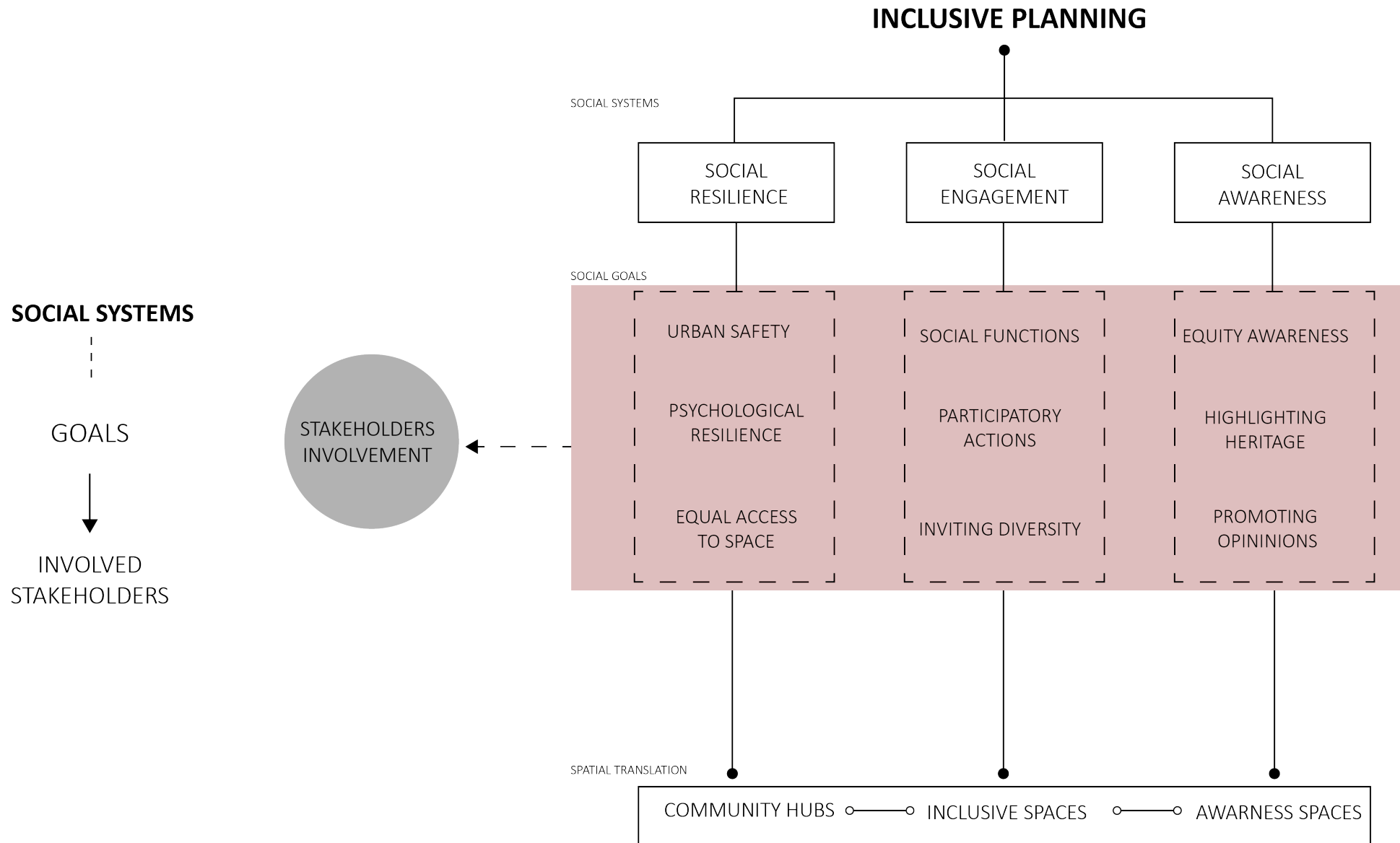
SPATIALLY SUSTAINABLE
DESIGN PRINCIPLES



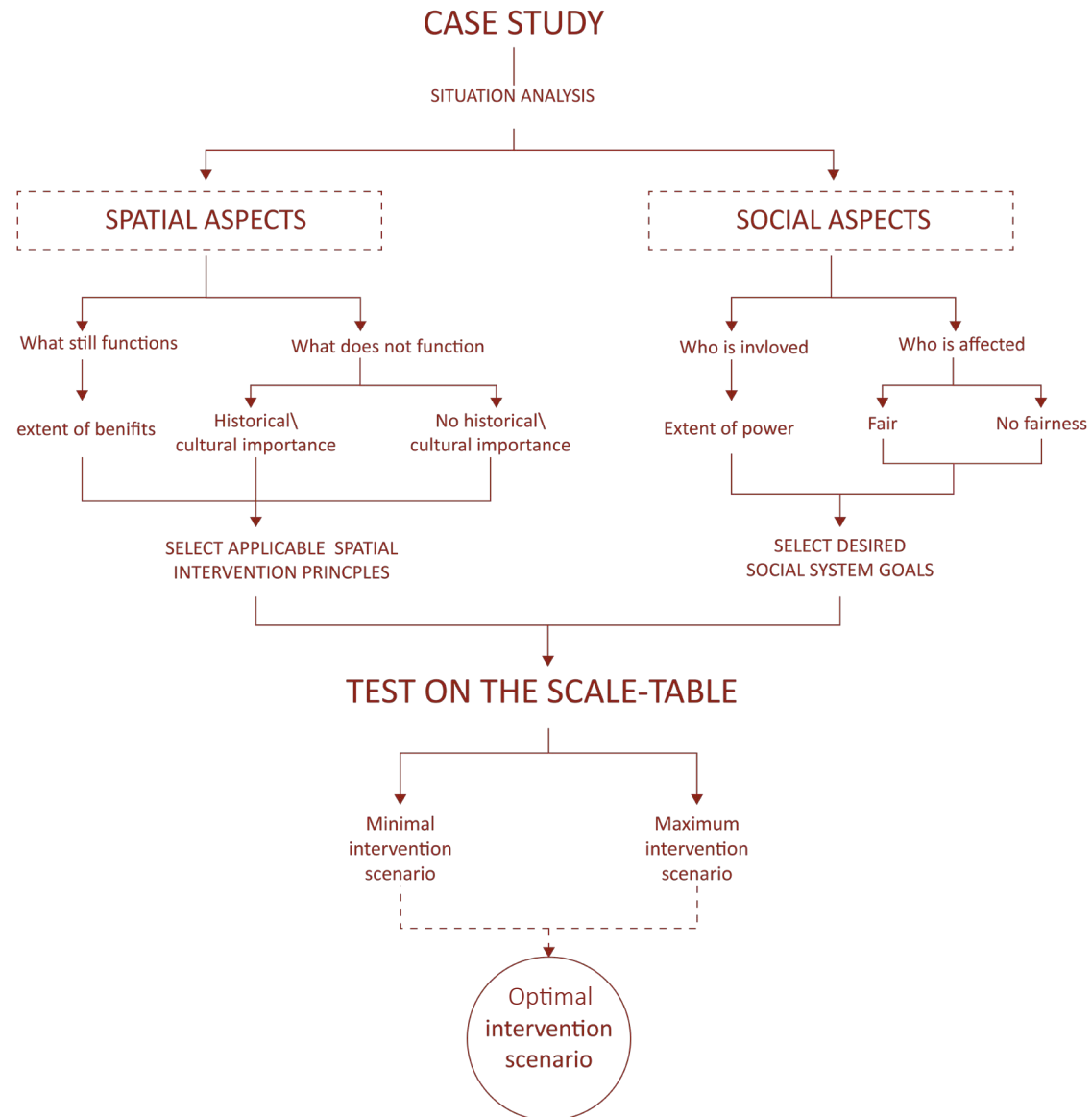
SPATIAL PRINCIPLES



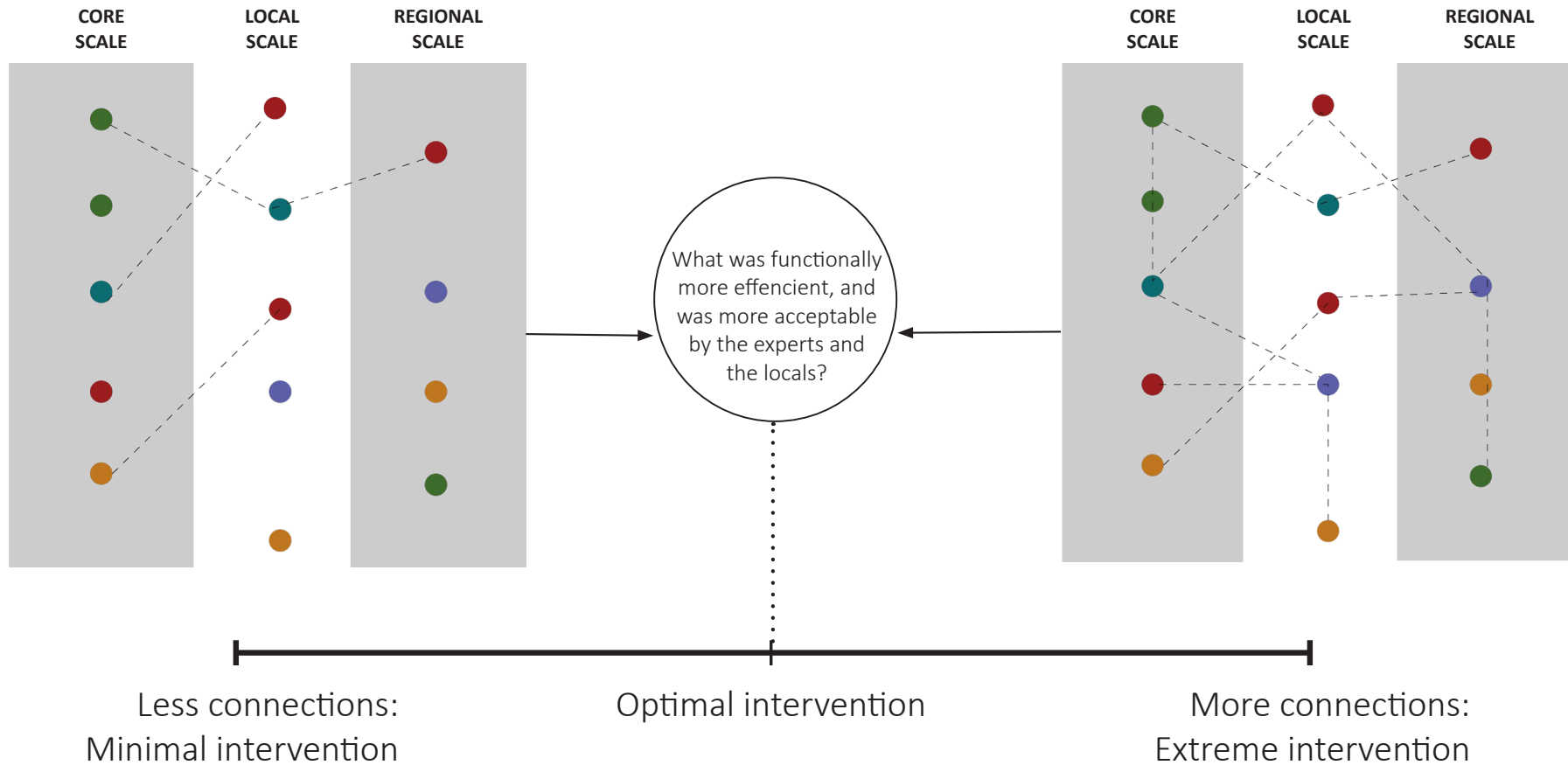
SOCIAL SYSTEM STRATEGIES



GENERATING AND TESTING STRATEGIES



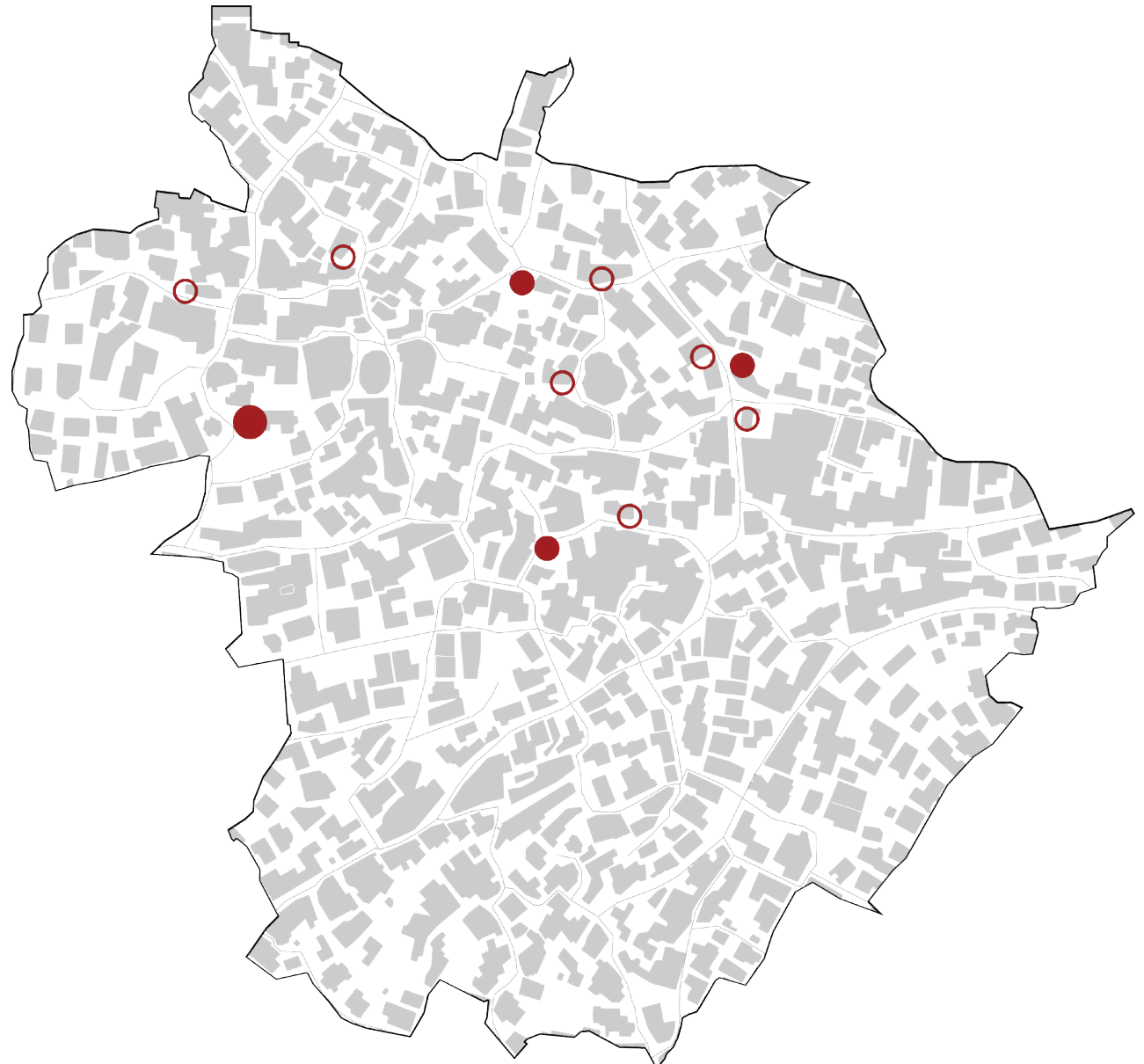
GENERATING AND TESTING STRATEGIES



WHERE TO IMPLEMENT THESE STRATEGIES?



WHERE TO IMPLEMENT THESE STRATEGIES?

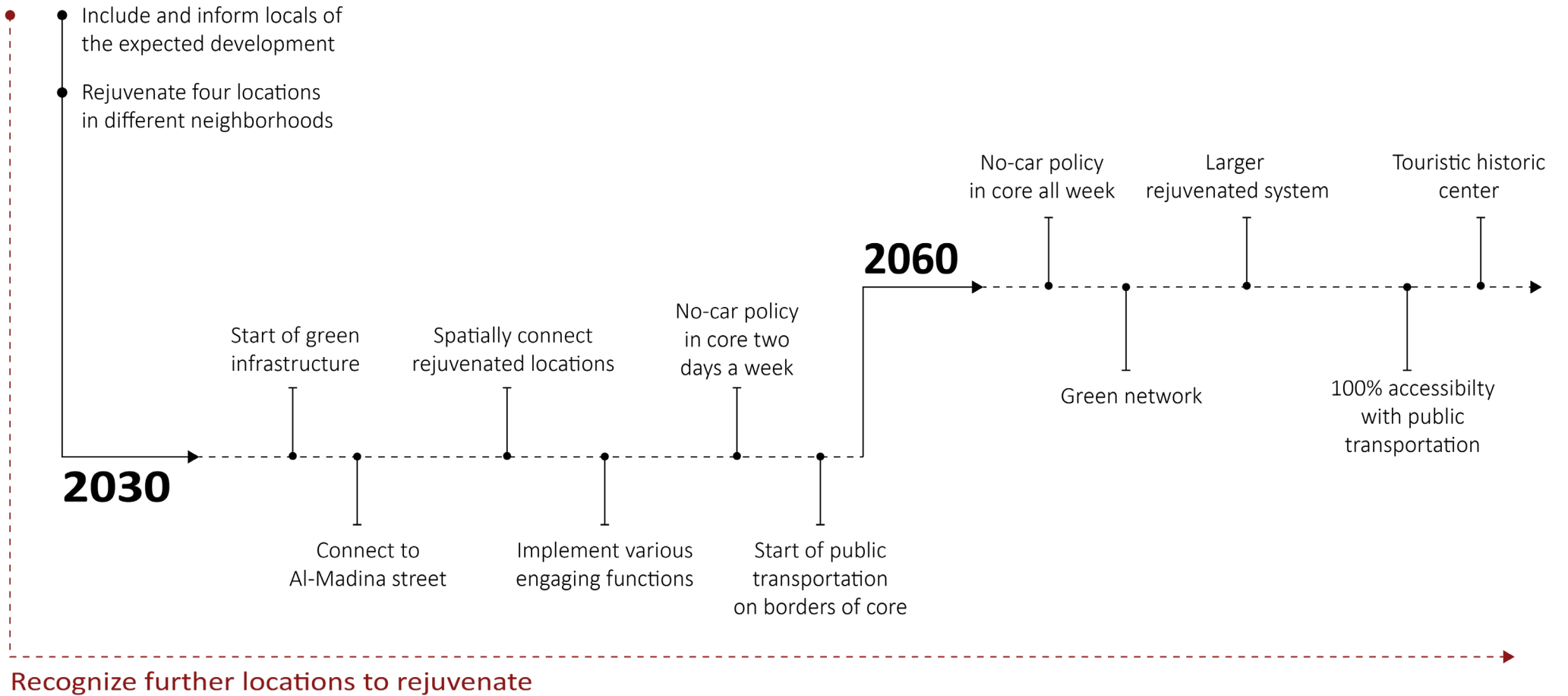


● Initial abandoned locations to generate strategies

○ Abandoned locations for possible interventions

VISION: UMM AL-FAHEM CORE 2060

2022

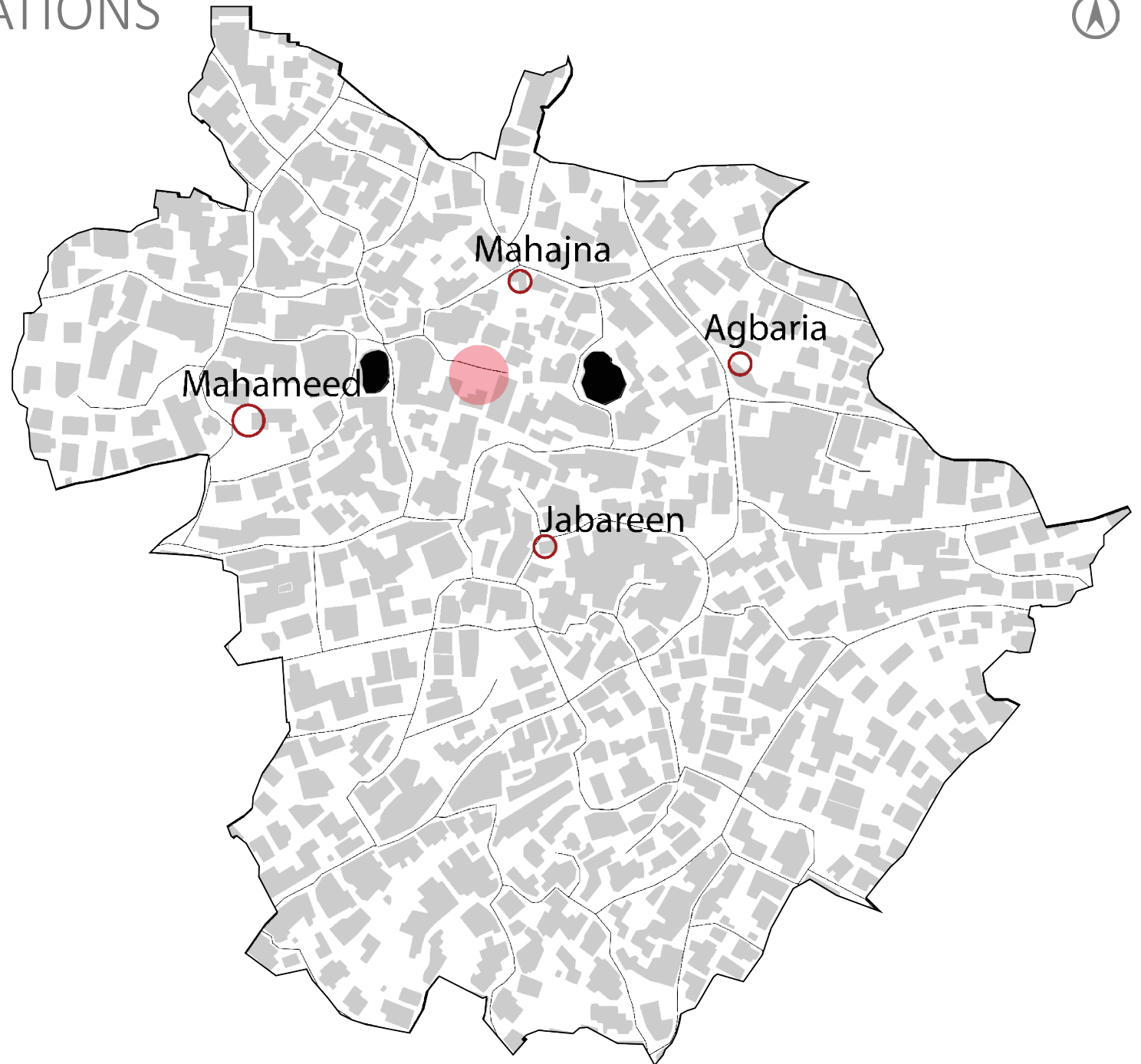


STARTING THESE IMPLEMENTATIONS IN FOUR ABANDONED LOCATIONS

ABANDONED LOCATIONS



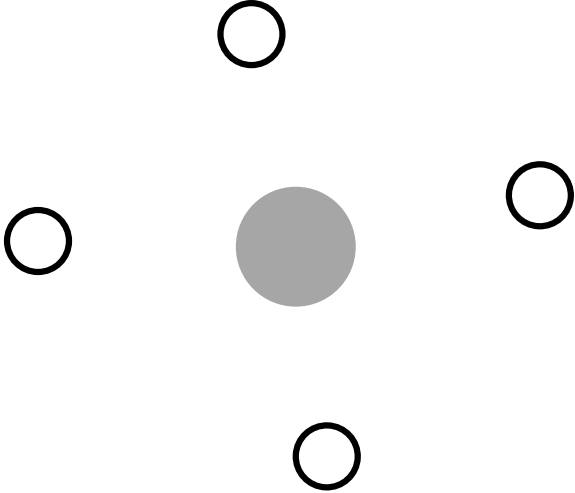
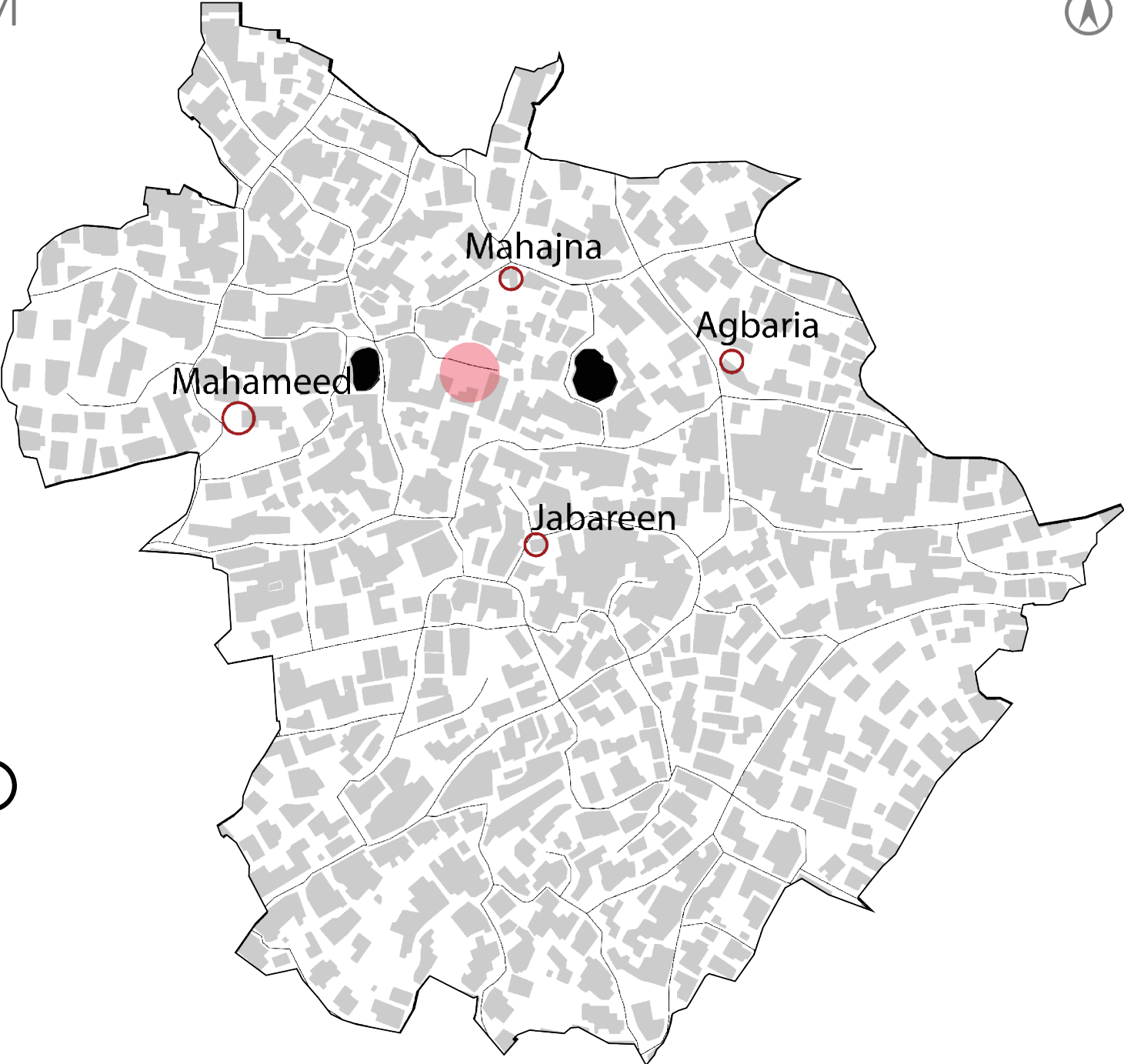
- Old municipality center
- Mosque
- Abandoned location



LOCATIONS SYSTEM






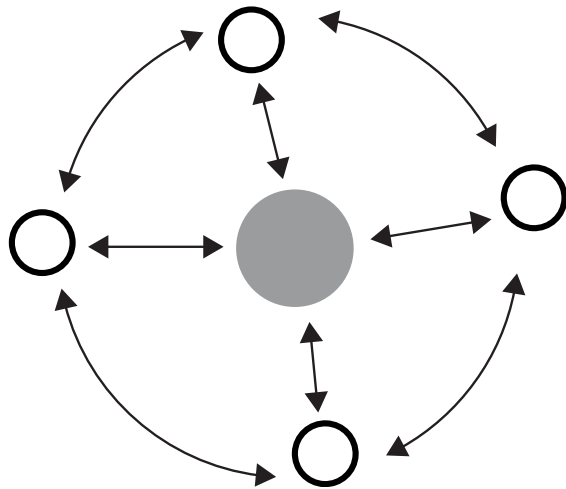
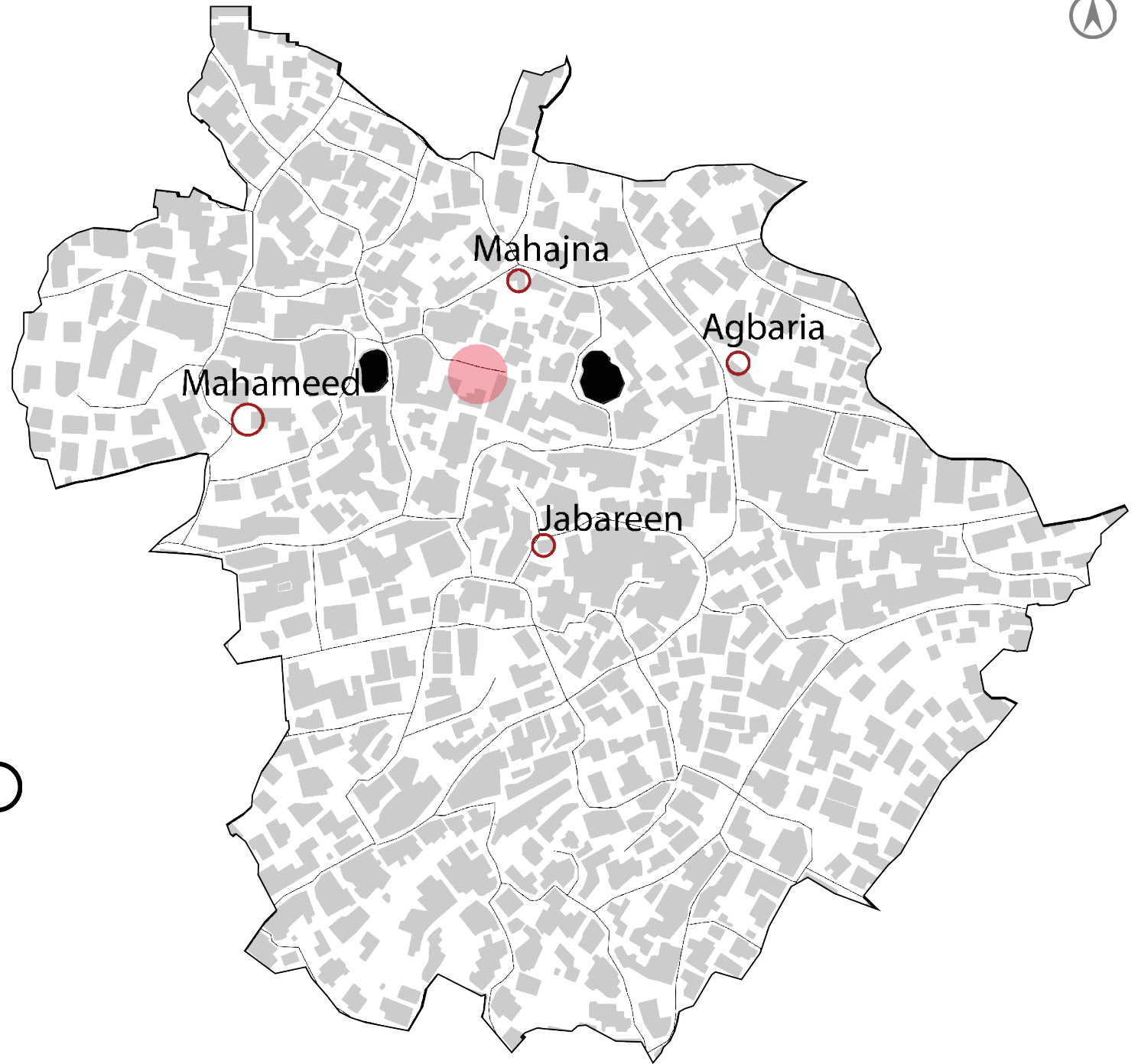
- Old municipality center
- Mosque
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URBAN NETWORK








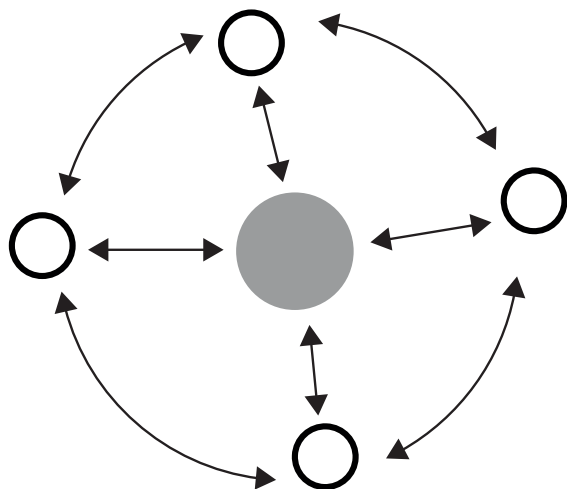
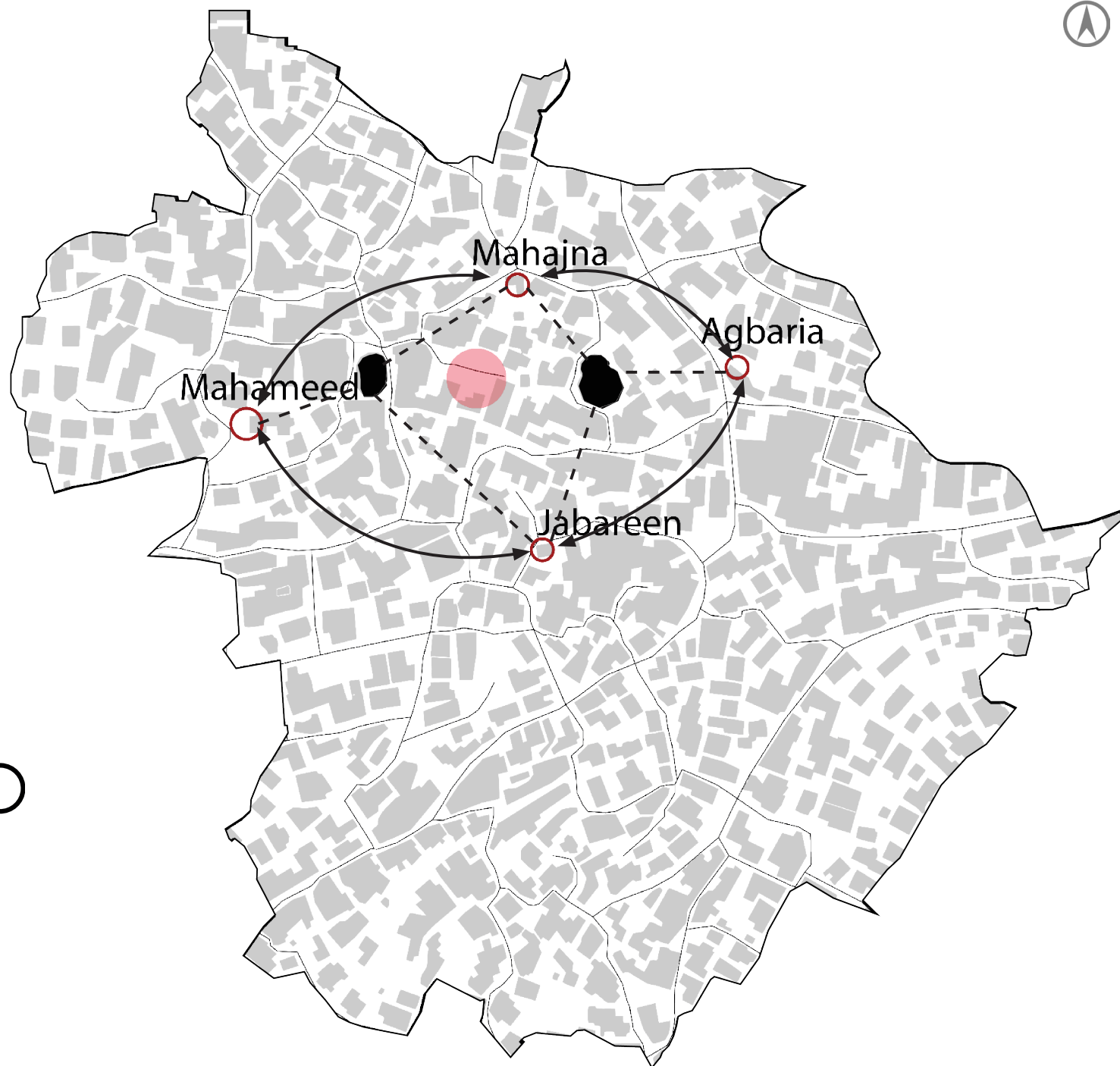
-  Old municipality center
-  Mosque
-  Abandoned location



URBAN NETWORK



-  Old municipality center
-  Mosque
-  Abandoned location
-  Visual connection
-  Functional connection



FOUR ABANDONED BUILDINGS



Agbaria:

Former house

Personal connection



Mahameed:

Public library

Public function



Mahajna:

Former house

Historic importance



Jabareen:

Former house

Hidden location

FOUR REJUVENATED LOCATIONS



Agbaria:
Core Market
السوق الفوقاني

Local market

Connectivity



Mahameed:
Ibin Zaydoun Cinema
سينما ابن زيدون

Local Cinema-Art gallery

Creativity



Mahajna:
Umm Al-Fahem Eye
عين البلد

Cafe-library

Inviting

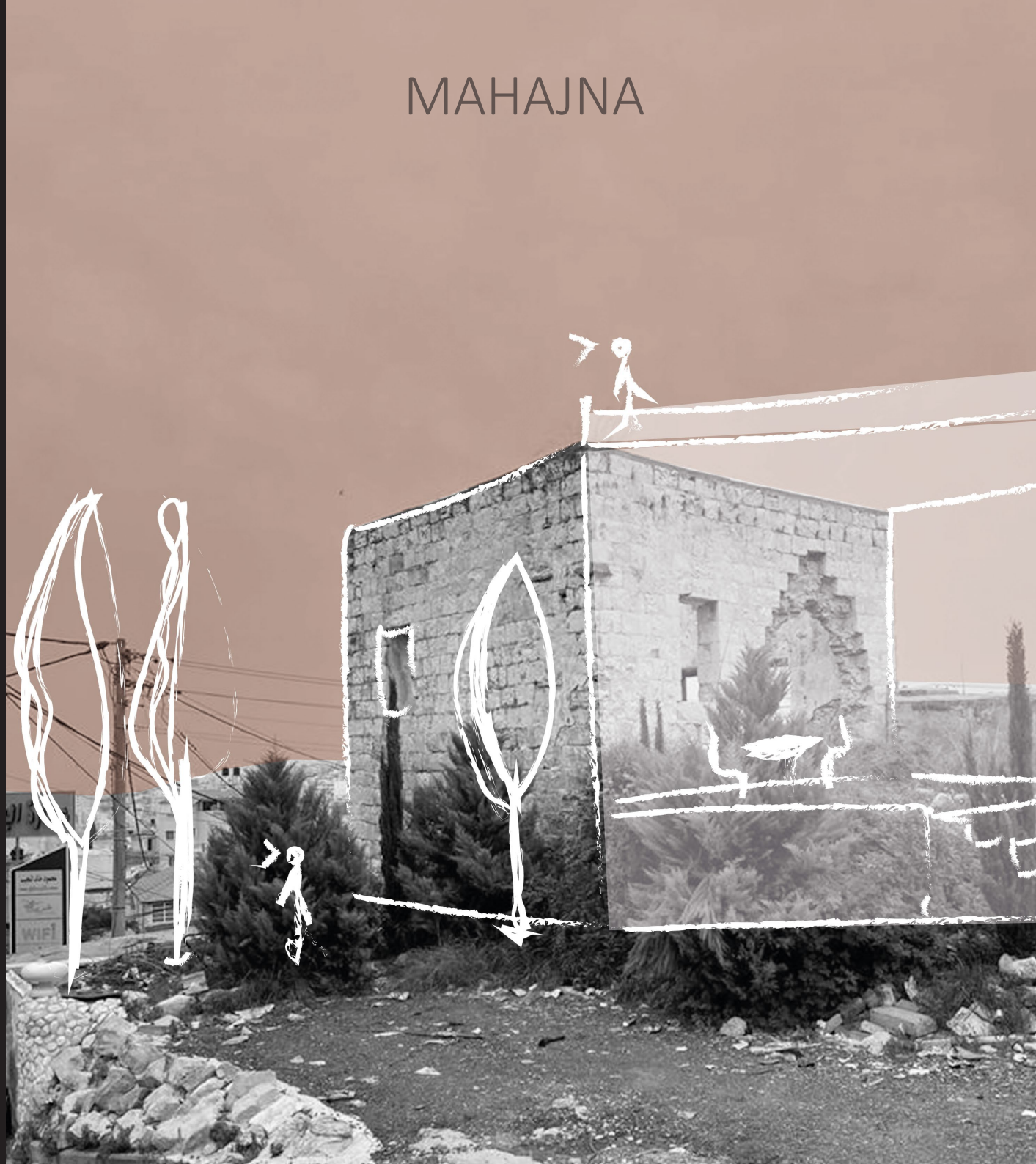


Jabareen:
City heaven
فردوس البلد

Woman and child center

Safety

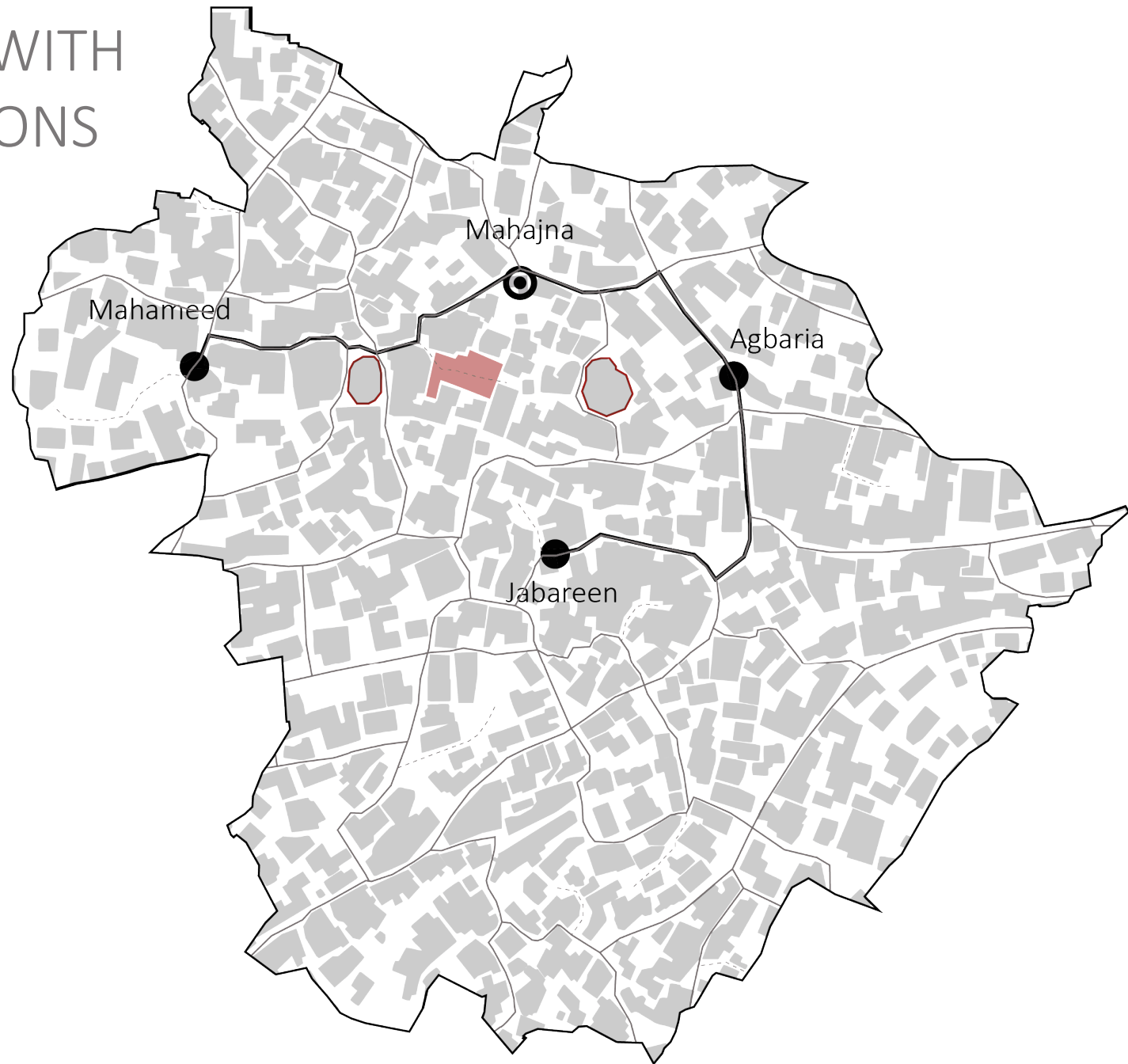
MAHAJNA





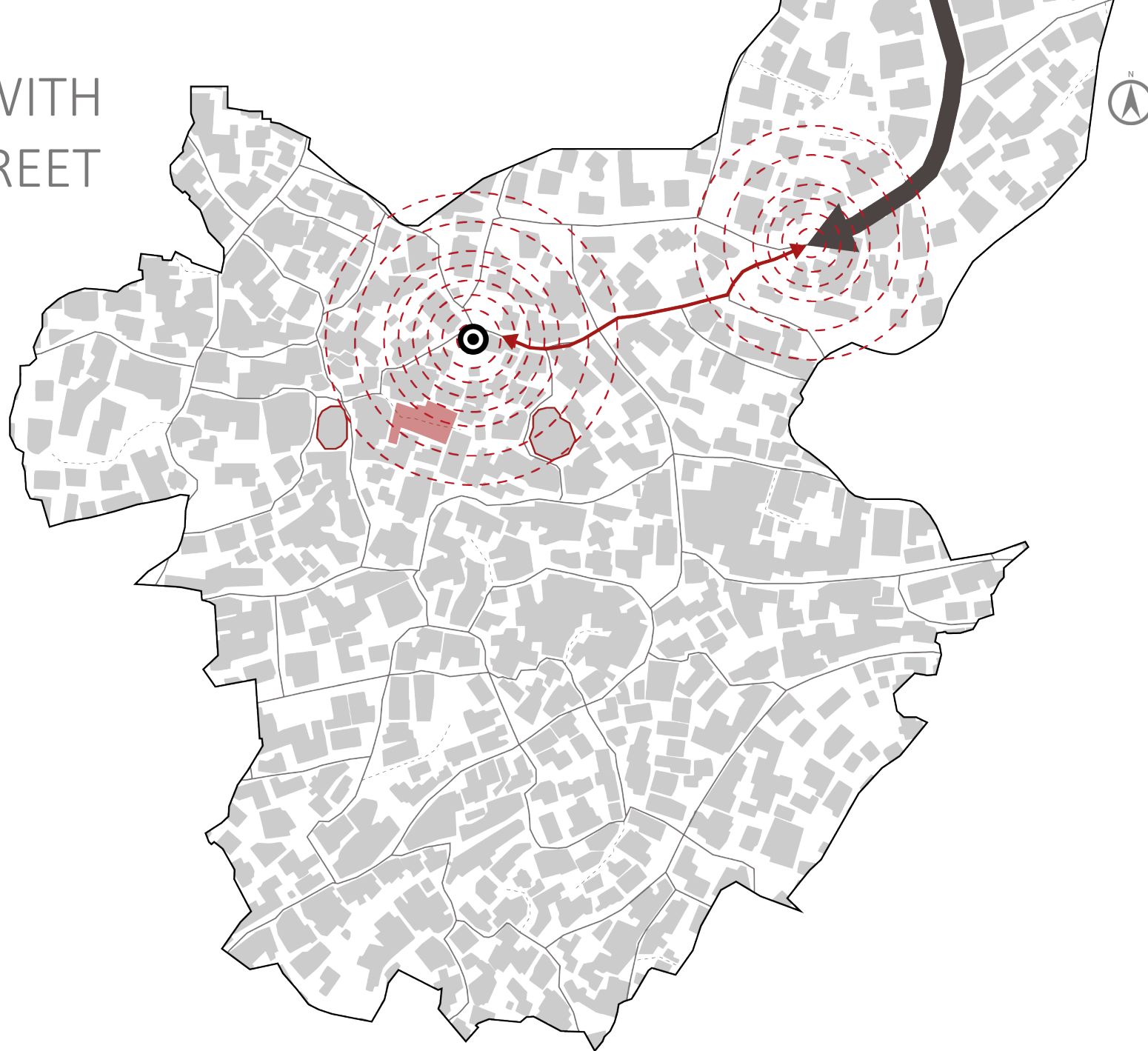
*“ This old house
resembles our history
and heritage, but
they just want to
destroy it as if it has
no value”*







CONNECTION WITH OTHER LOCATIONS



- Abandoned locations
- ◎ Mahajna
- Old municipality center
- Mosque

CONNECTION WITH AL-MADINA STREET



-  AL-Madina Street
-  Visual connection on street level
-  Direct spatial connection
-  Mahajna
-  Old municipality center
-  Mosque

LET THE INTERVENTIONS BEGIN!

EXTREME INTERVENTION STRATEGIES

G1- Green in pots

G4- Green corridor

G5- Open park

G7- Green network connection

C1- Connection with Al-Madina street

C2- Connection with old municipality center

C3- Connection with other

abandoned locations

C4- Way finding

C6- Open realm

Ps1- Flexibility

Ps2- Continuity

Ps3- Positive volume

Ps5- If it fits, it sits

Si3- Open

Si6- Demolish

Uc1- Reward

Uc2- Availability

Uc3- Respond to time

EXTREME INTERVENTION STRATEGIES

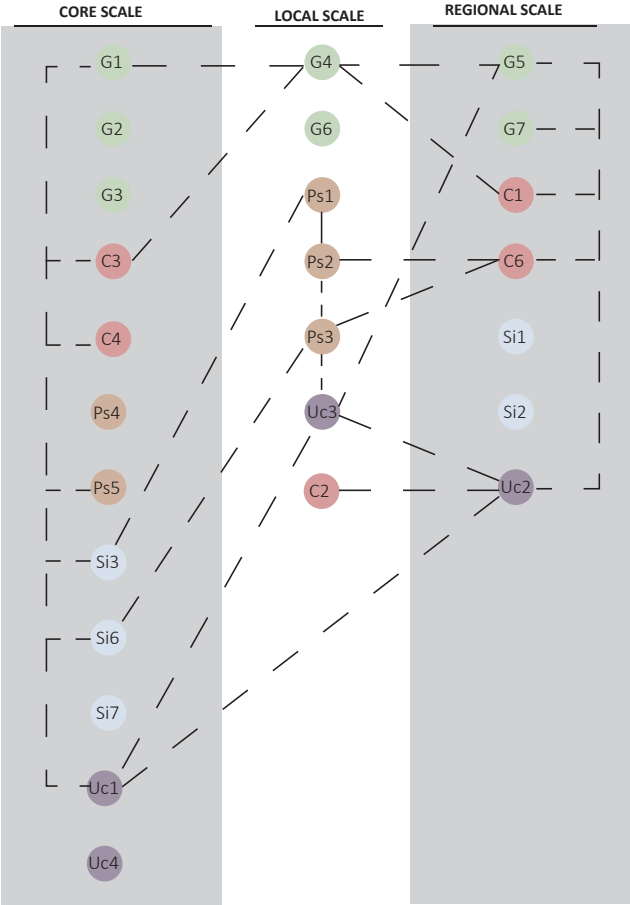
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- Uc3- Respond to time



EXTREME INTERVENTION STRATEGIES

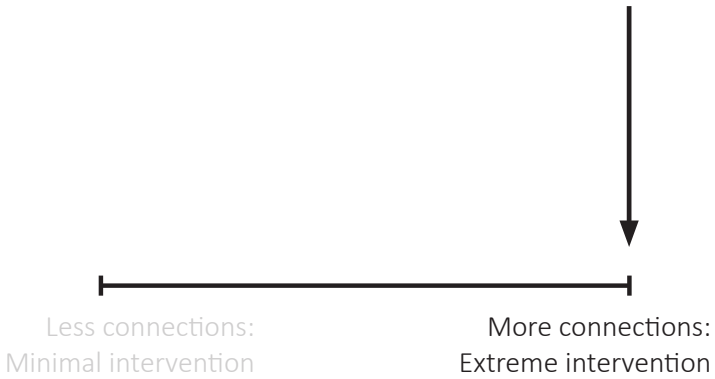
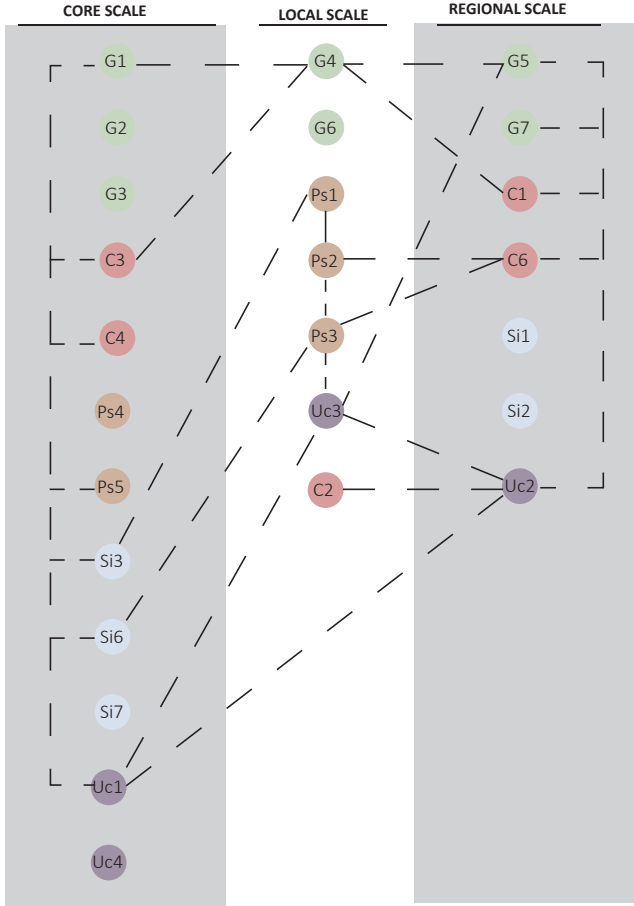
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- Si3- Open
- Si6- Demolish

- Uc1- Reward
- Uc2- Availability
- Uc3- Respond to time



EXTREME: DEMOLISH ABANDONED BUILDING + MAKE PARK

EXTREME INTERVENTION

Uc2- Availability
Uc3- Respond to time

G4- Green corridor

G5- Open park

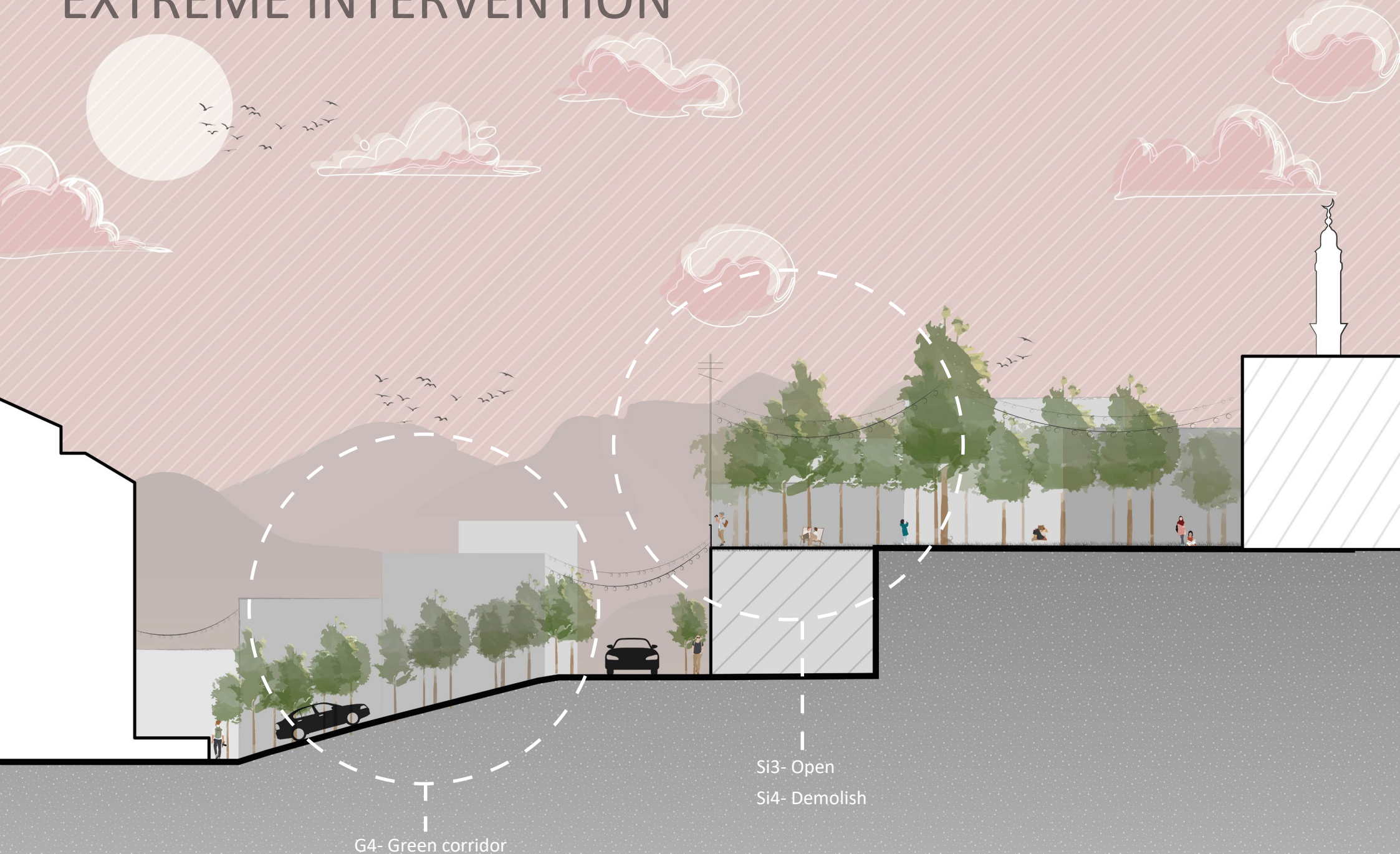
G7- Green network connection

C1- Connection with Al-Madina street
C2- Connection with old municipality center
C3- Connection with other abandoned locations
Ps2- Continuity

C6- Open realm
Ps1- Flexibility
Ps3- Positive volume



EXTREME INTERVENTION



G4- Green corridor

Si3- Open
Si4- Demolish

EXTREME INTERVENTION



C4- Wayfinding Ps5- if it fits, it sits G1- Green in pots

MINIMAL INTERVENTION STRATEGIES

G1- Green in pots

G4- Green corridor

G7- Green network connection

C1- Connection with Al-Madina street

C2- Connection with old municipality center

C3- Connection with other abandoned locations

C4- Way finding

Ps1- Flexibility

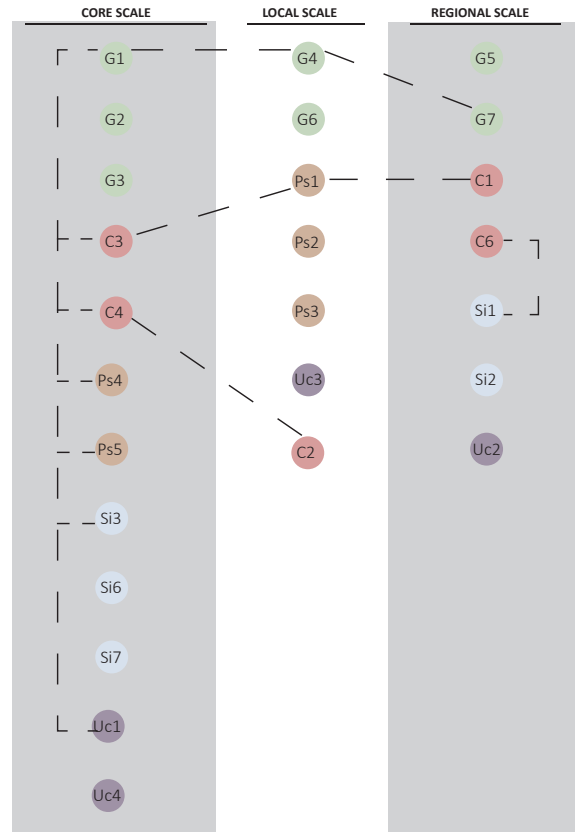
Ps5- If it fits, it sits

Si1- Architectural landmark

Si3- Open

Uc1- Reward

MINIMAL INTERVENTION STRATEGIES



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MINIMAL INTERVENTION STRATEGIES

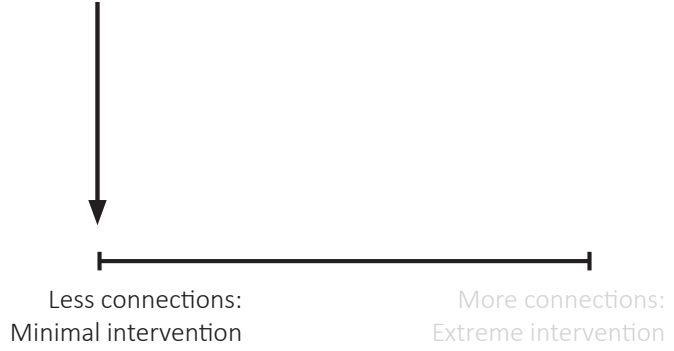
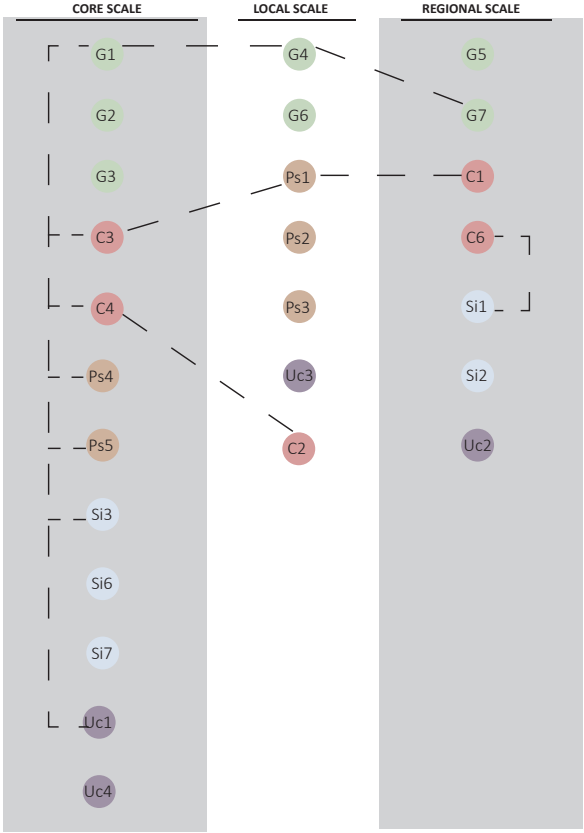
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- C4- Way finding

- Ps1- Flexibility
- Ps5- If it fits, it sits

- Si1- Architectural landmark
- Si3- Open

- Uc1- Reward



MINIMAL: DECLARE BUILDING AS HISTORICAL LANDMARK

MINIMAL INTERVENTION

Uc1- Reward

G4- Green corridor

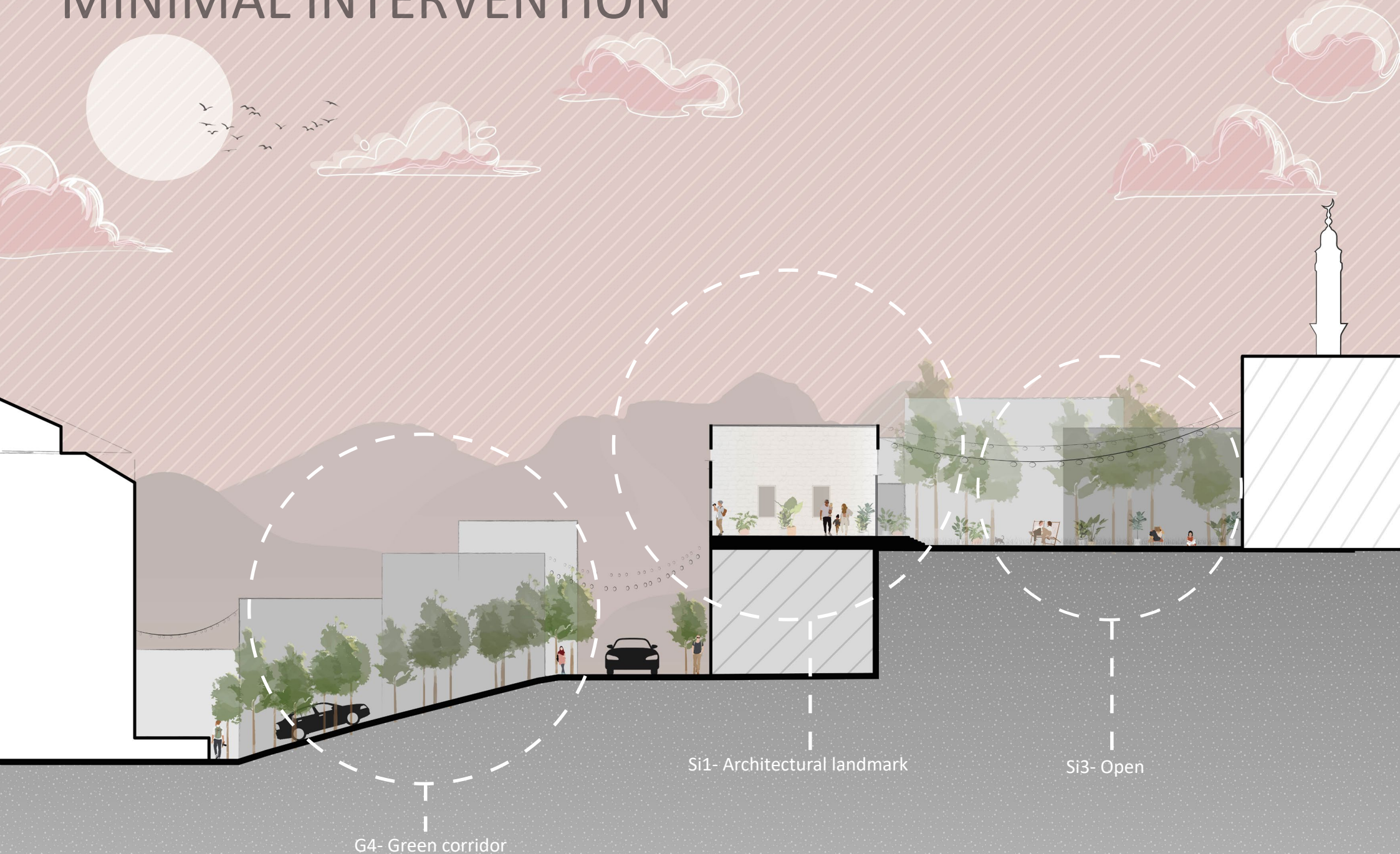
G7- Green network connection

Ps1- Flexibility

- C1- Connection with Al-Madina street
- C2- Connection with old municipality center
- C3- Connection with other abandoned locations



MINIMAL INTERVENTION



G4- Green corridor

Si1- Architectural landmark

Si3- Open

MINIMAL INTERVENTION



Ps5- if it fits, it sits

C4- Wayfinding

G1- Green in pots

OPTIMAL INTERVENTION

G1- Green in pots

G2- Green facade

G3- Green roof

G4- Green corridor

G7- Green network connection

C1- Connection with Al-Madina street

C2- Connection with old municipality center

C3- Connection with other abandoned locations

C4- Way finding

Ps4- See and be seen

Ps5- If it fits, it sits

Si1- Architectural landmark

Si4- Close

Si5- Character visibility

Uc1- Reward

OPTIMAL INTERVENTION

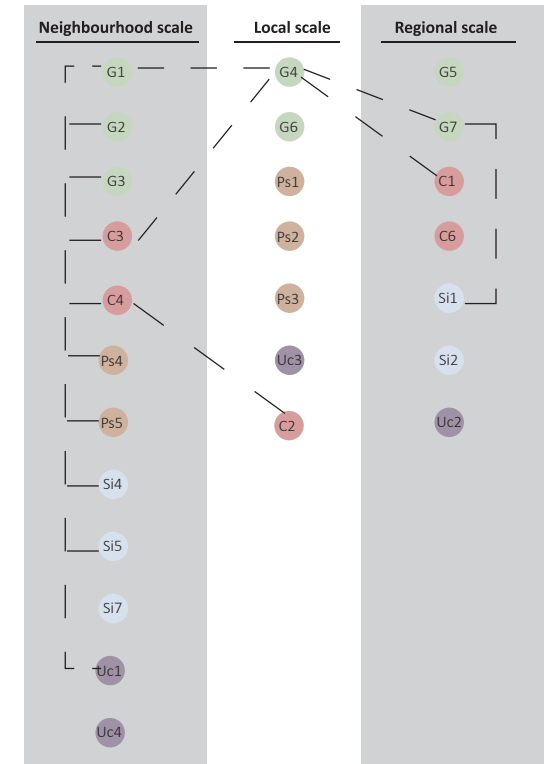
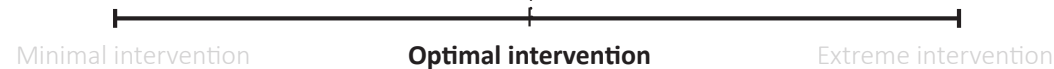
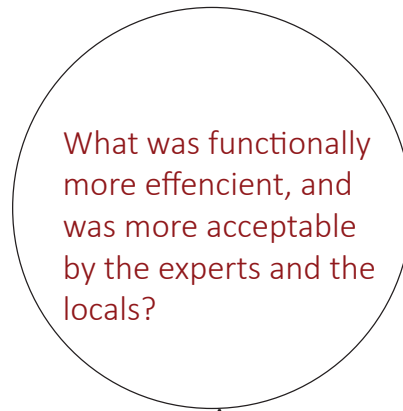
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- Ps4- See and be seen
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- Uc1- Reward



OPTIMAL INTERVENTION

OPTIMAL: EMPHASIZE LOCATION SIZE AND HEIGHT

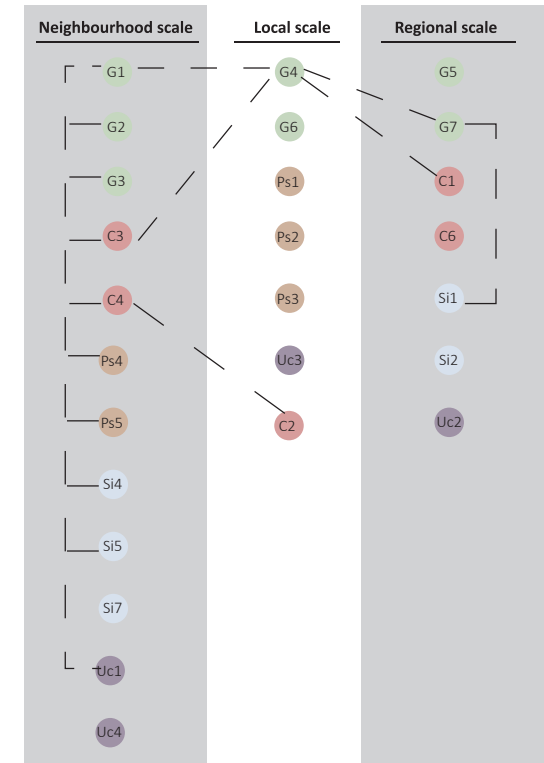
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- Uc1- Reward



OPTIMAL INTERVENTION

Uc1- Reward

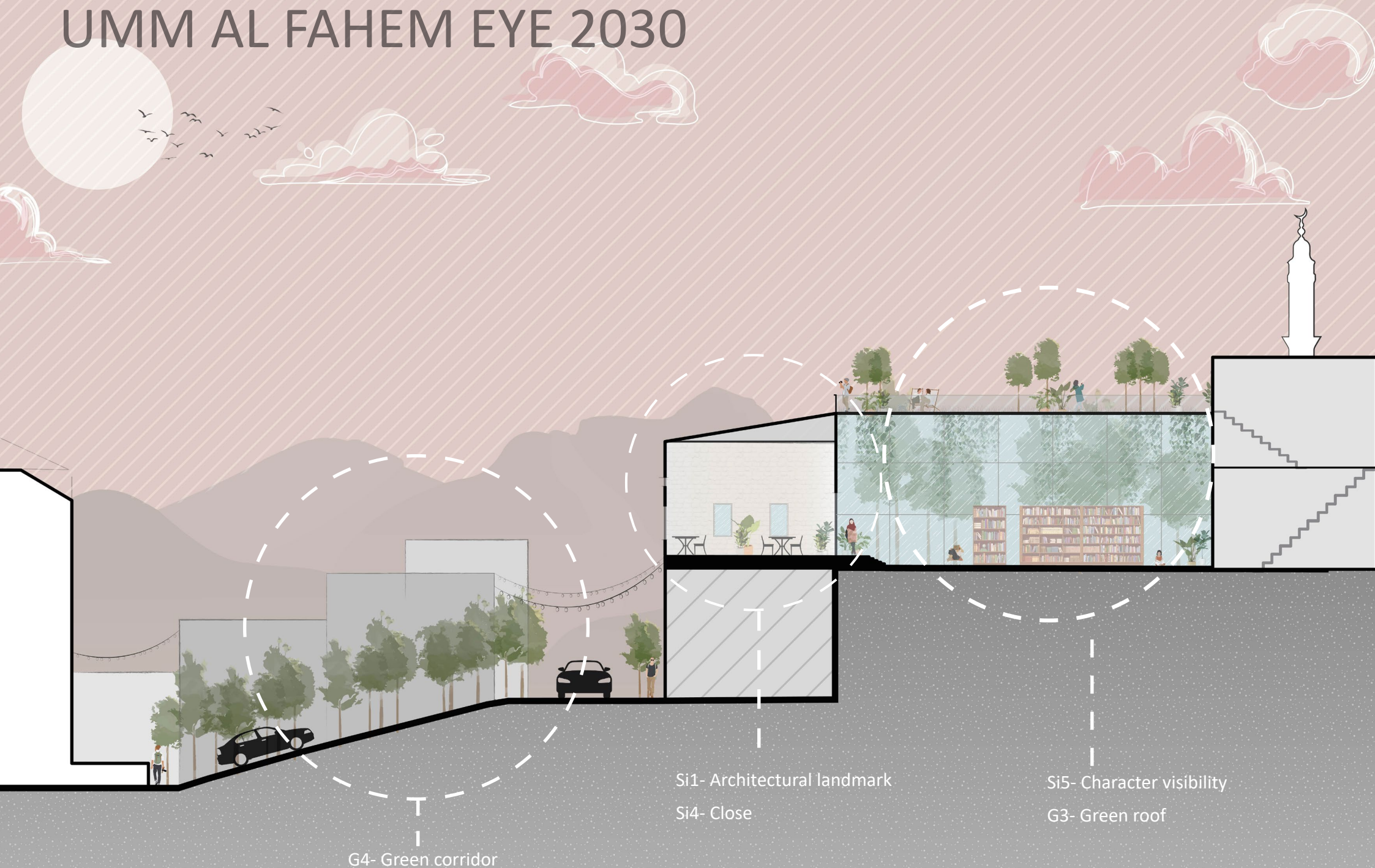
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G7- Green network connection

- C1- Connection with Al-Madina street
- C2- Connection with old municipality center
- C3- Connection with other abandoned locations



UMM AL FAHEM EYE 2030

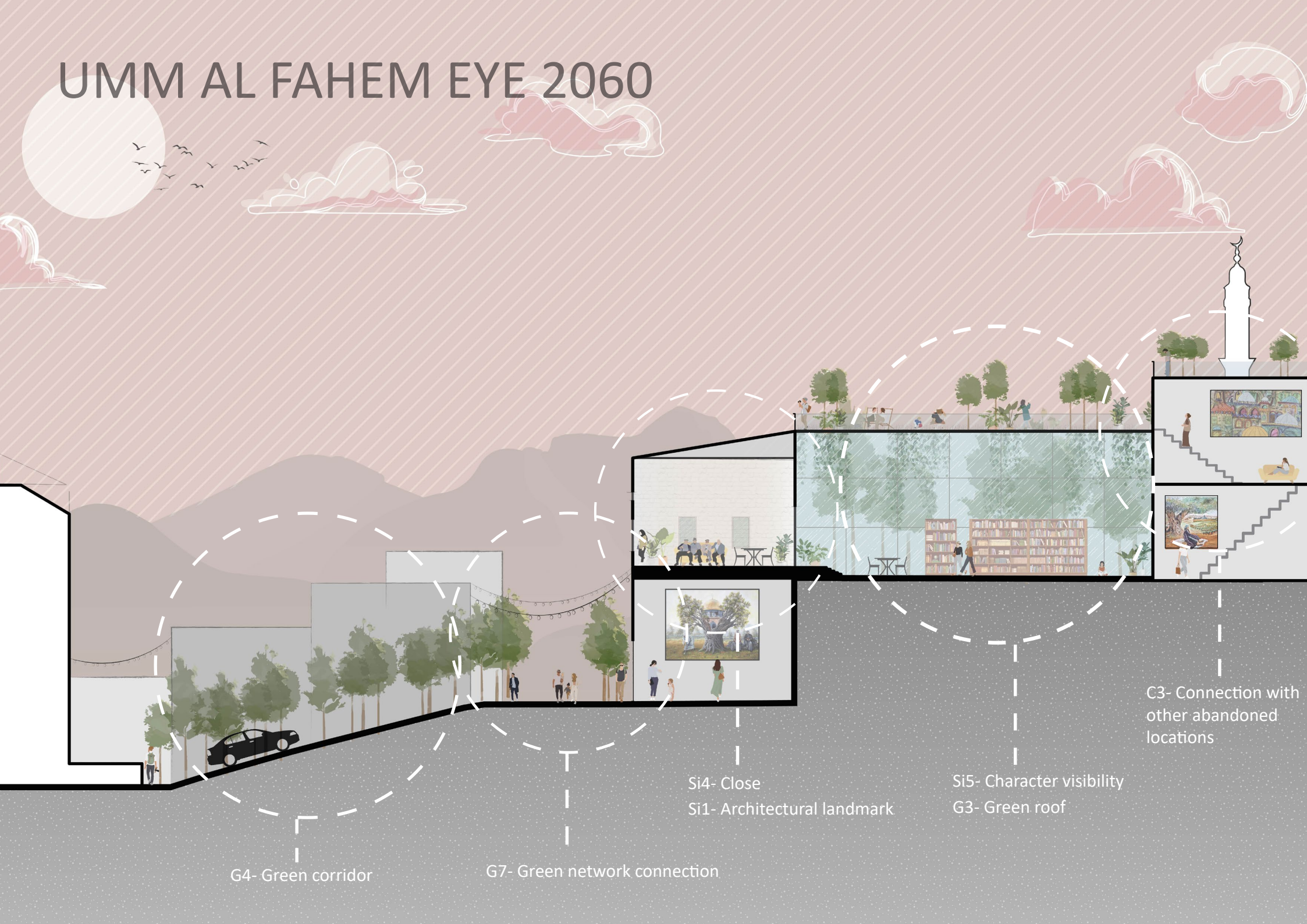


G4- Green corridor

Si1- Architectural landmark
Si4- Close

Si5- Character visibility
G3- Green roof

UMM AL FAHEM EYE 2060



G4- Green corridor

G7- Green network connection

Si4- Close
Si1- Architectural landmark

Si5- Character visibility
G3- Green roof

C3- Connection with
other abandoned
locations

UMM AL FAHEM EYE



C4- Wayfinding

Ps5- if it fits, it sits

Ps4- See and be seen

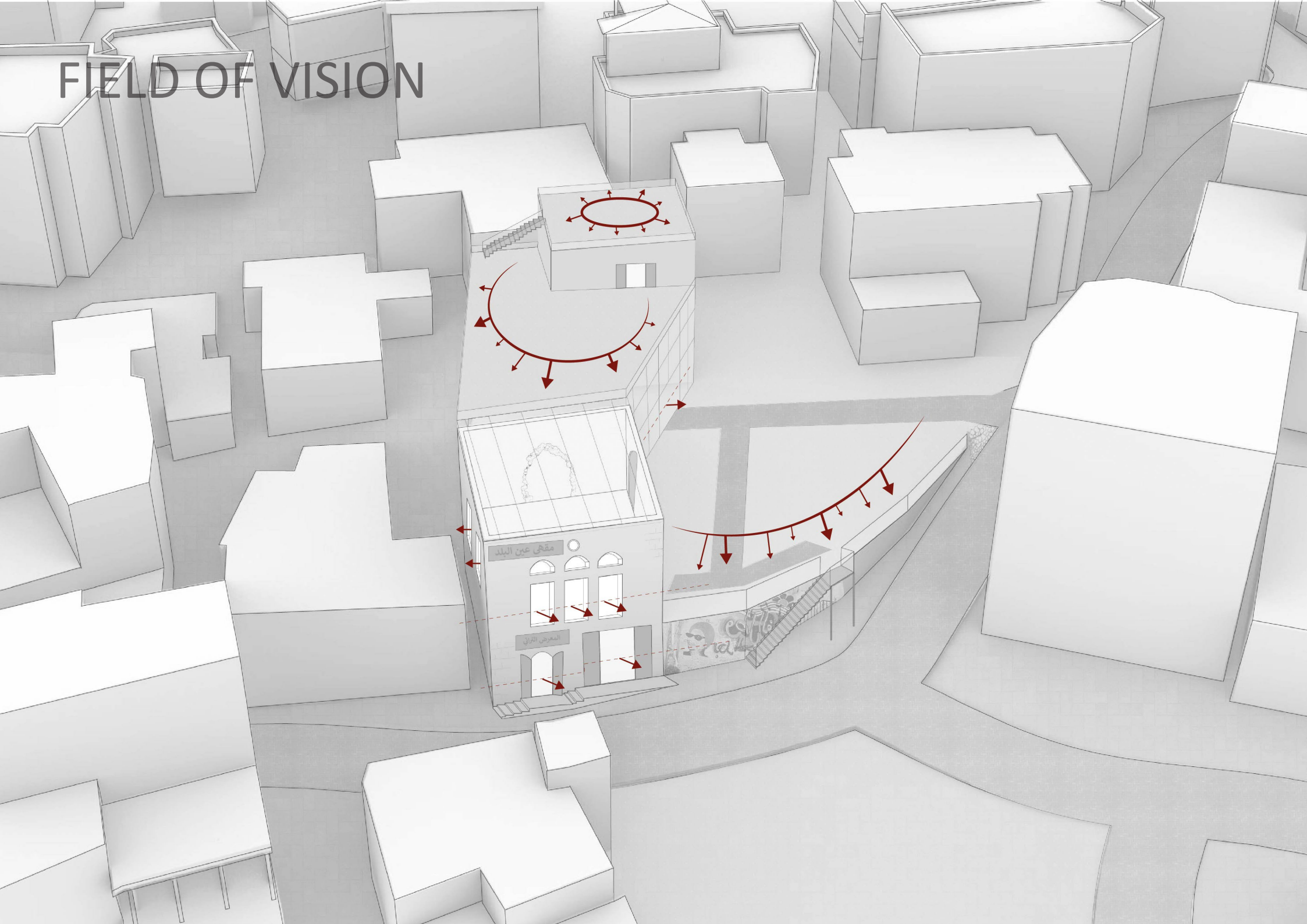
G2- Green facade

G1- Green in pots

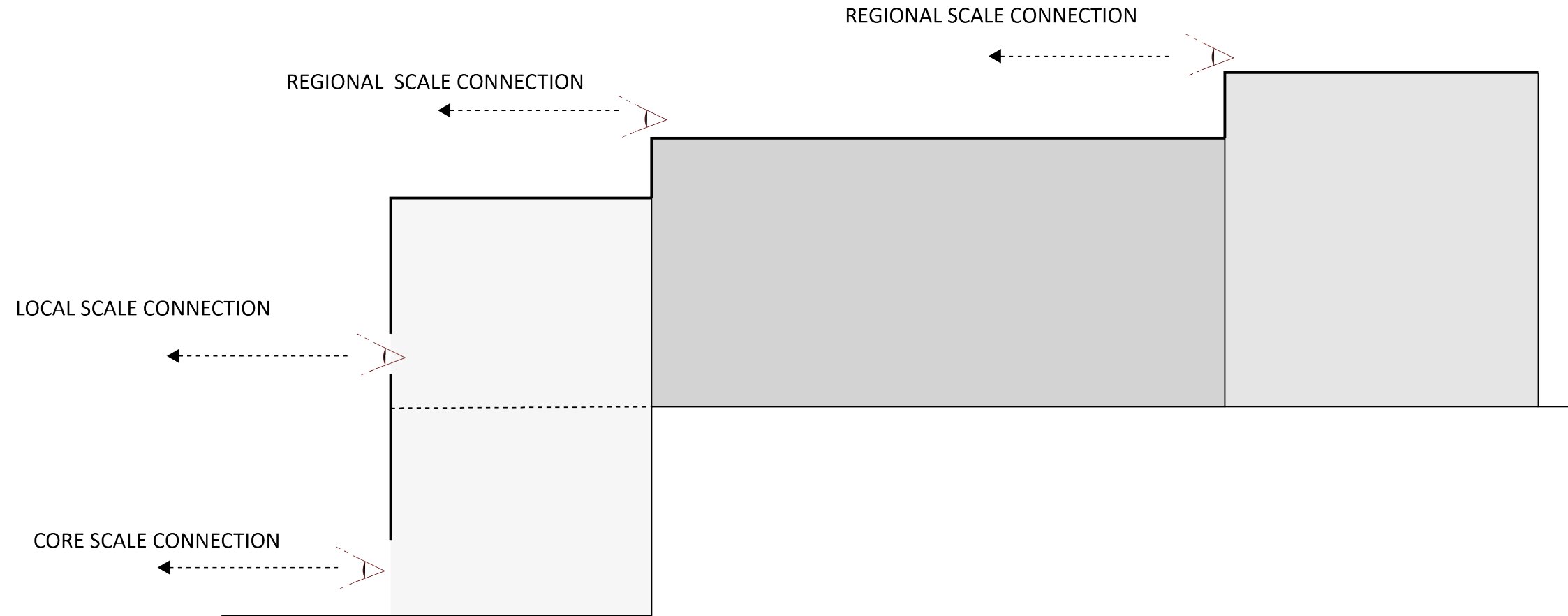
UMM AL FAHEM EYE



FIELD OF VISION

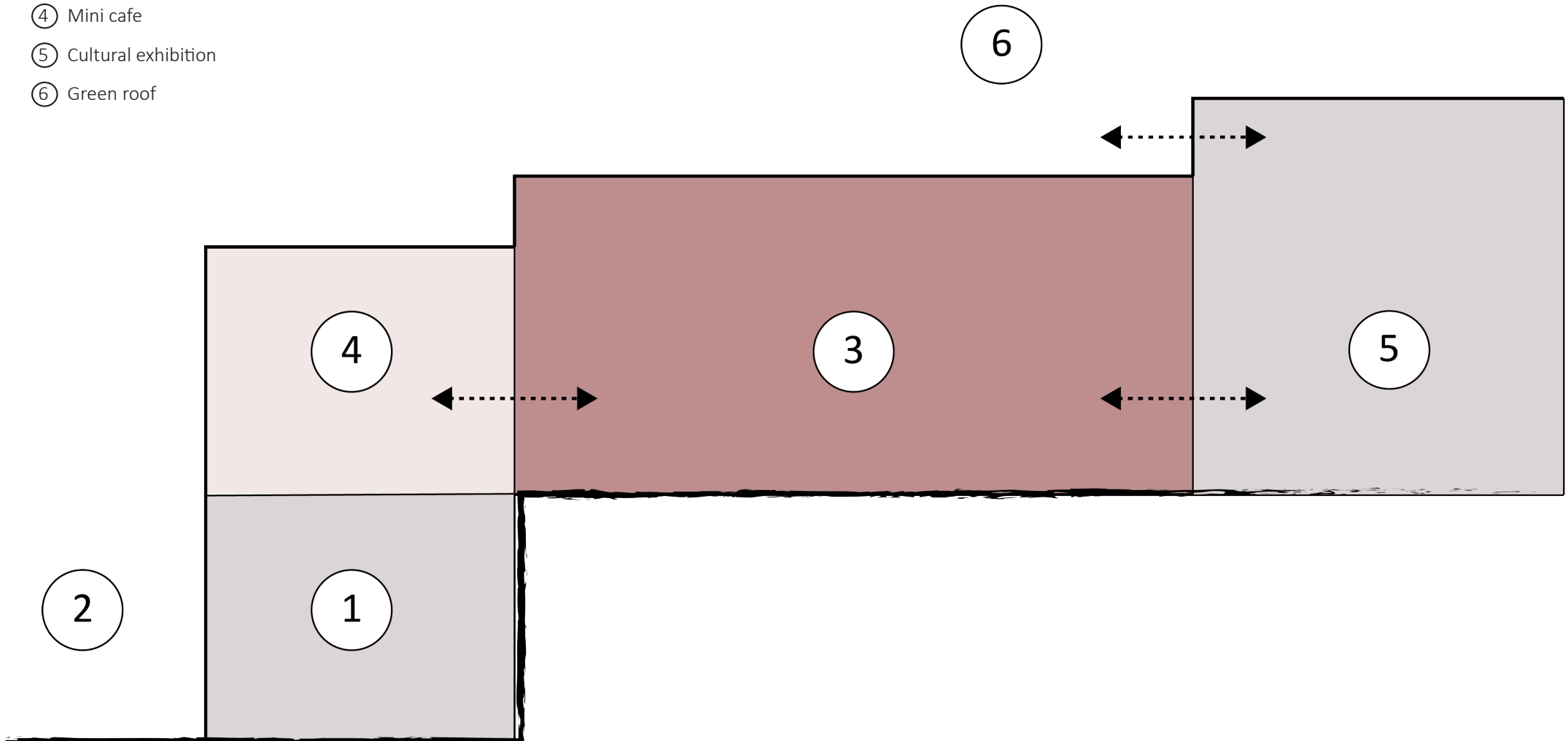


VISUAL CONNECTION ON SCALES

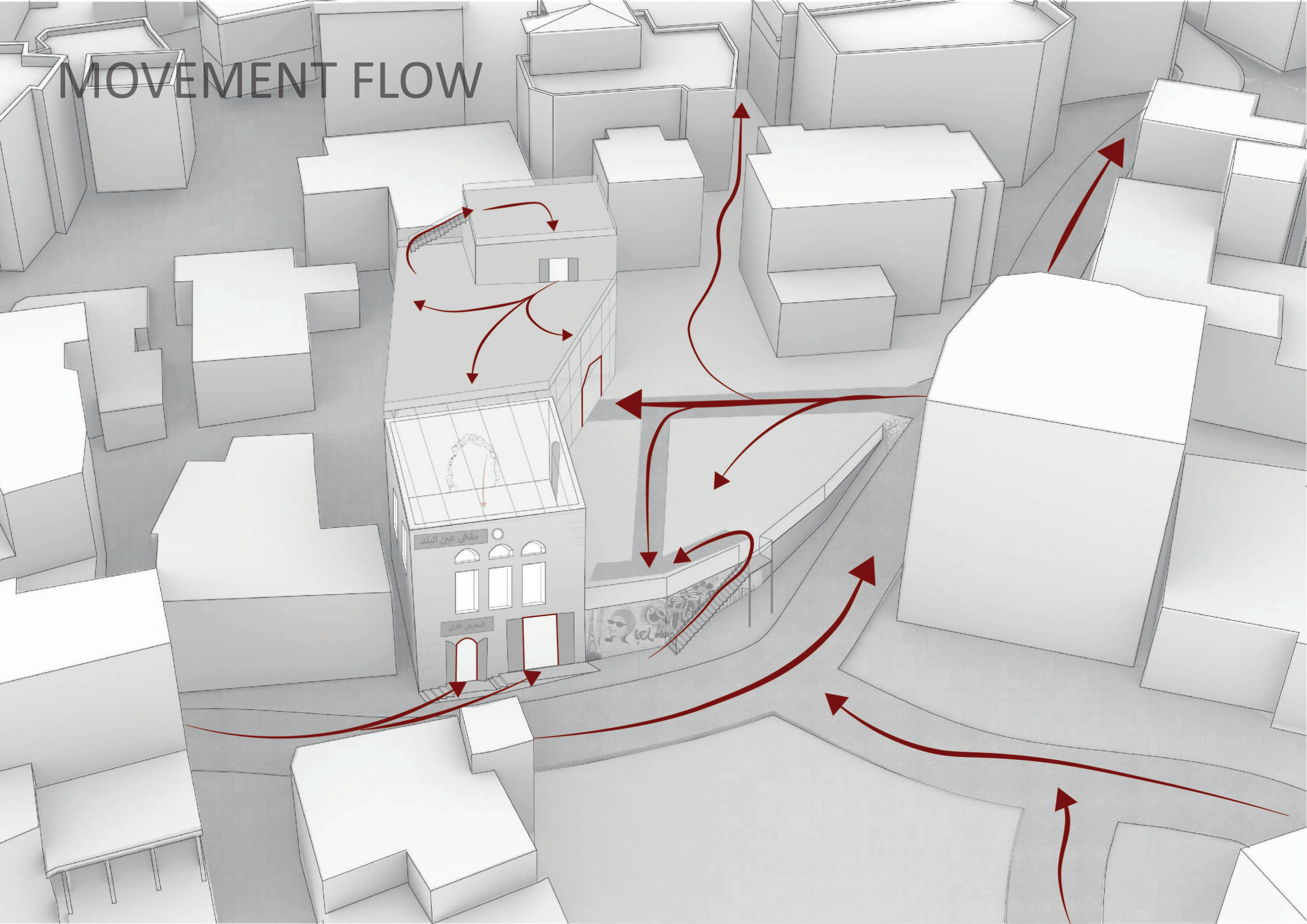


CONNECTING PEOPLE WITH FUNCTIONS

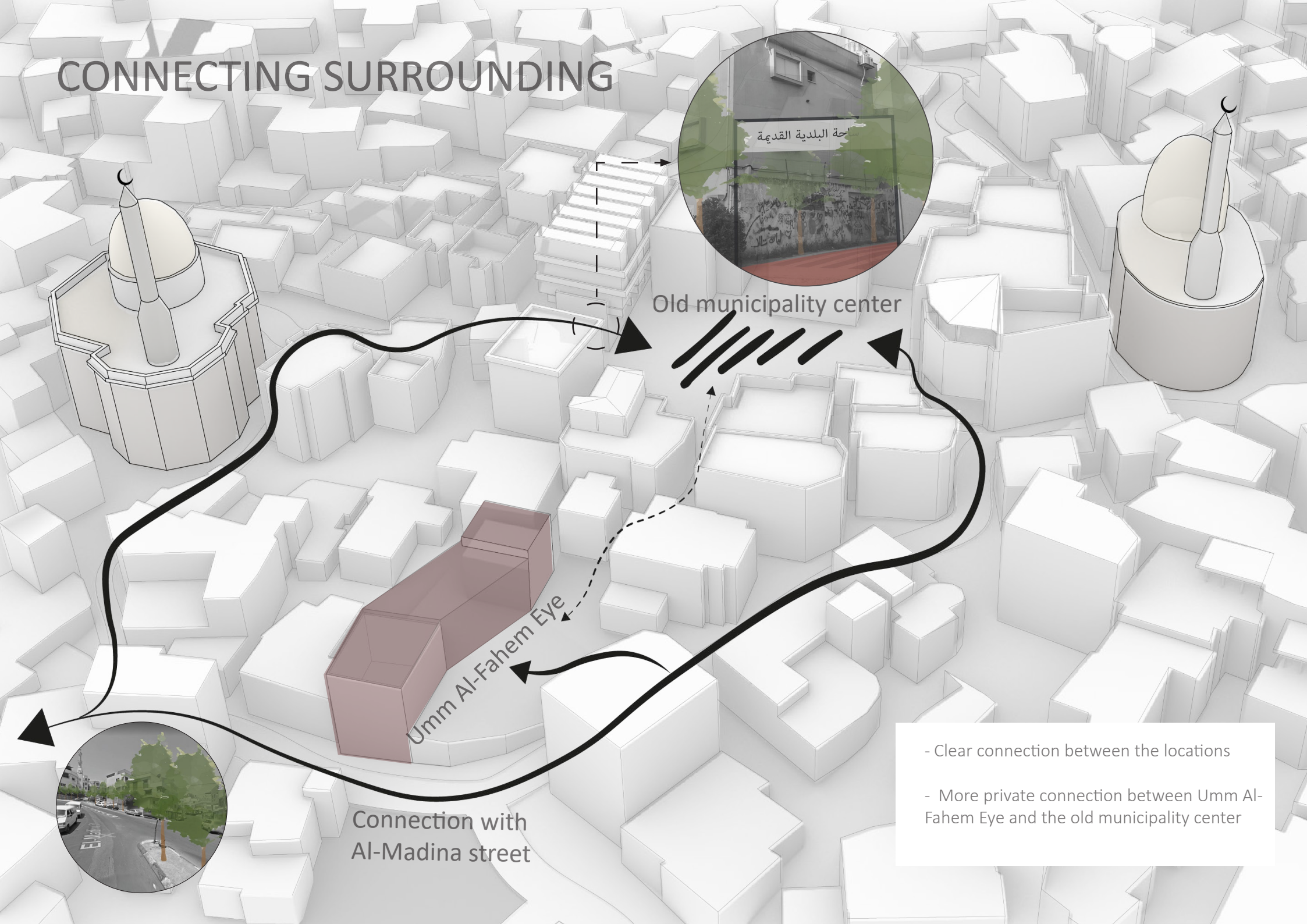
- ① Cultural exhibition
- ② Public street
- ③ Open library cafe
- ④ Mini cafe
- ⑤ Cultural exhibition
- ⑥ Green roof



MOVEMENT FLOW



CONNECTING SURROUNDING



البلدية القديمة

Old municipality center

Umm Al-Fahem Eye

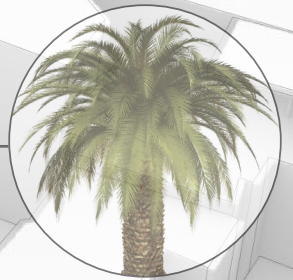
Connection with Al-Madina street

- Clear connection between the locations
- More private connection between Umm Al-Fahem Eye and the old municipality center

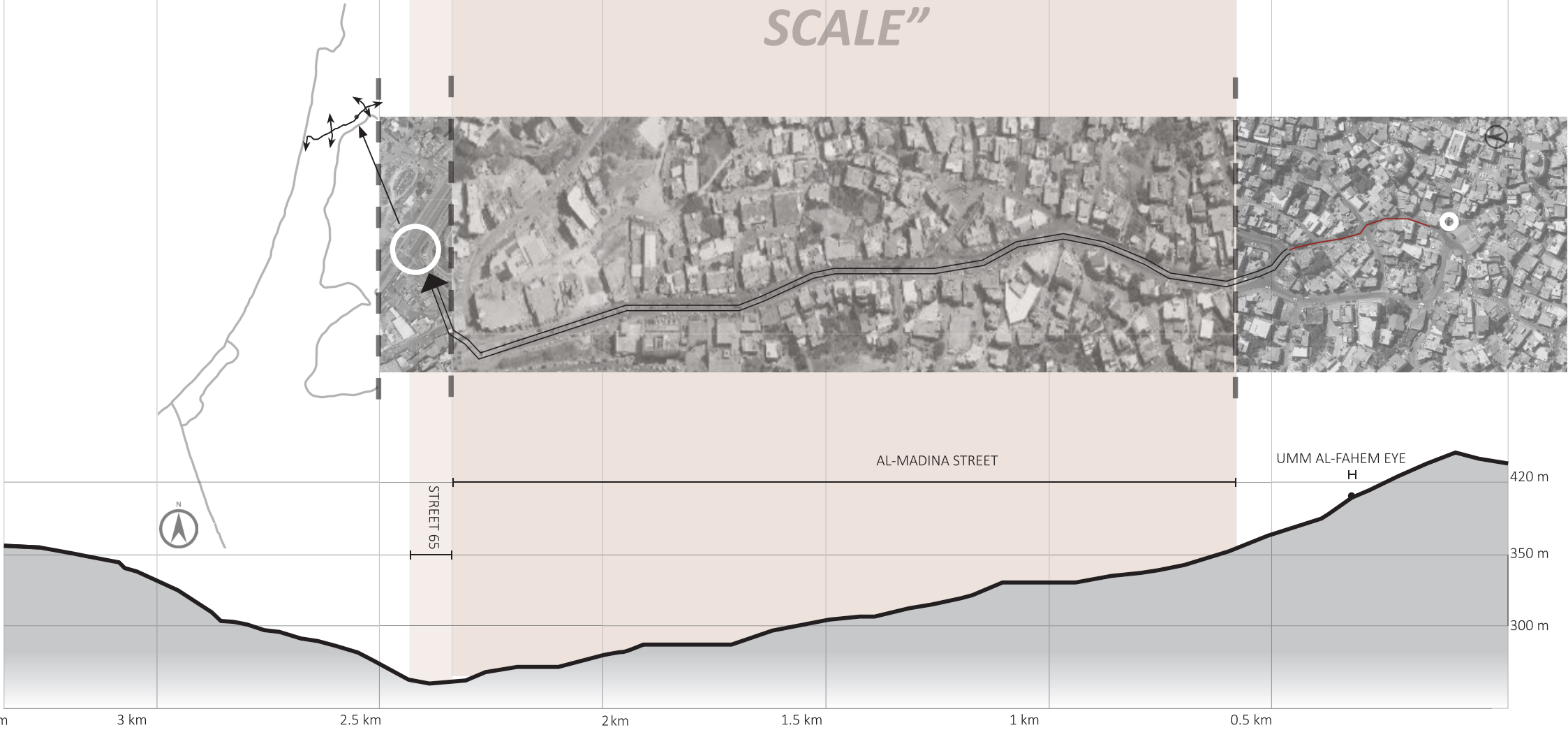
URBAN NETWORK



URBAN DETAILING



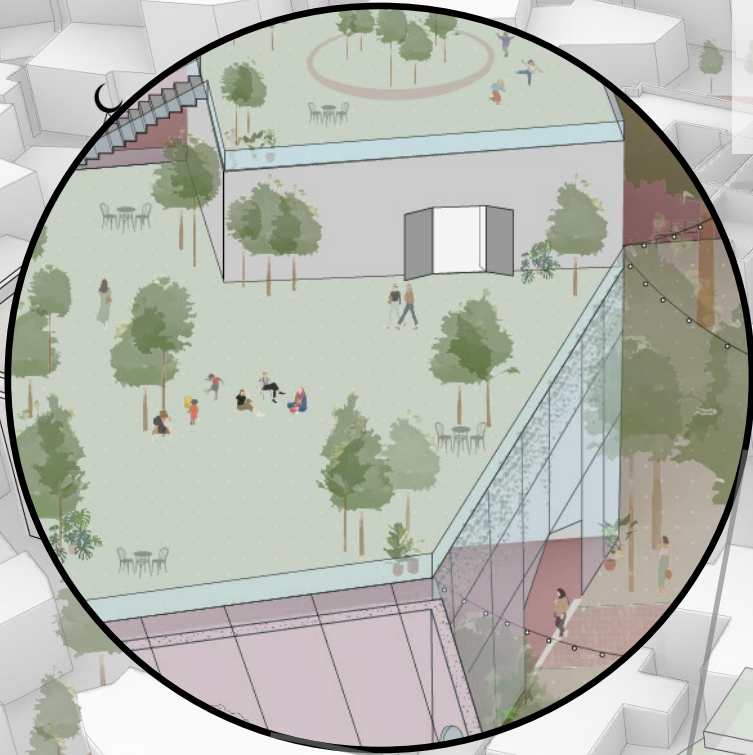
*“AL-MADINA STREET AS
AN ASSET TO EMPHASIZE
IMPORTANCE ON A LARGER
SCALE”*



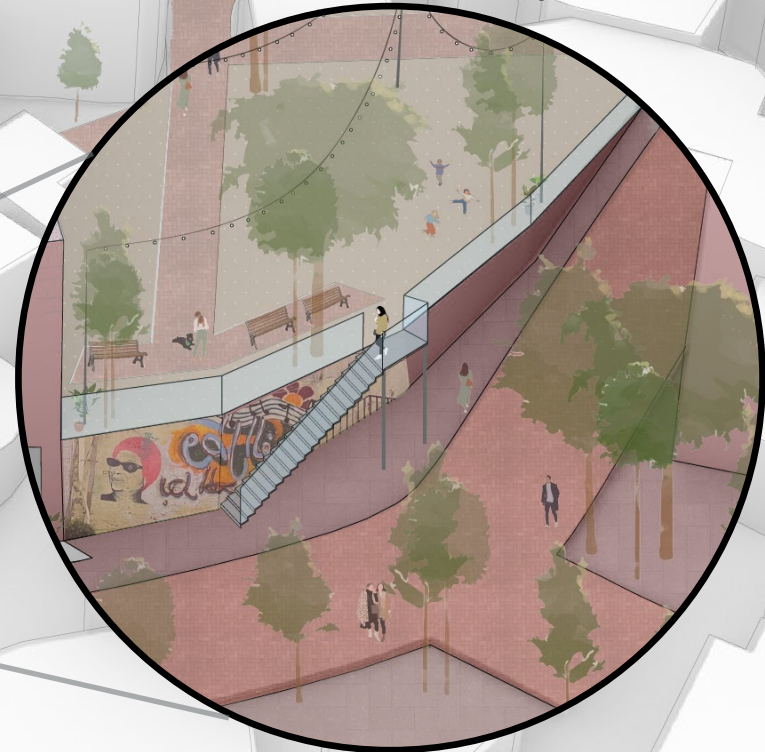
REJUVENATING THE CORE OF UMM AL-FAHEM

Highlighting the importance of the core of Umm Al-Fahem, and how to make it socially integrated and spatially accessible.

Social integration



Spatial accessibility



Thank you!