

RECONNECTING ELDERLY

interventions for a just spatial and social environment
for the elderly in Budapest, Hungary

P5 presentation

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Delegate: Aart Oxenaar

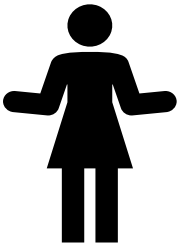
June 18th, 2025

care crisis

care crisis



planet



people



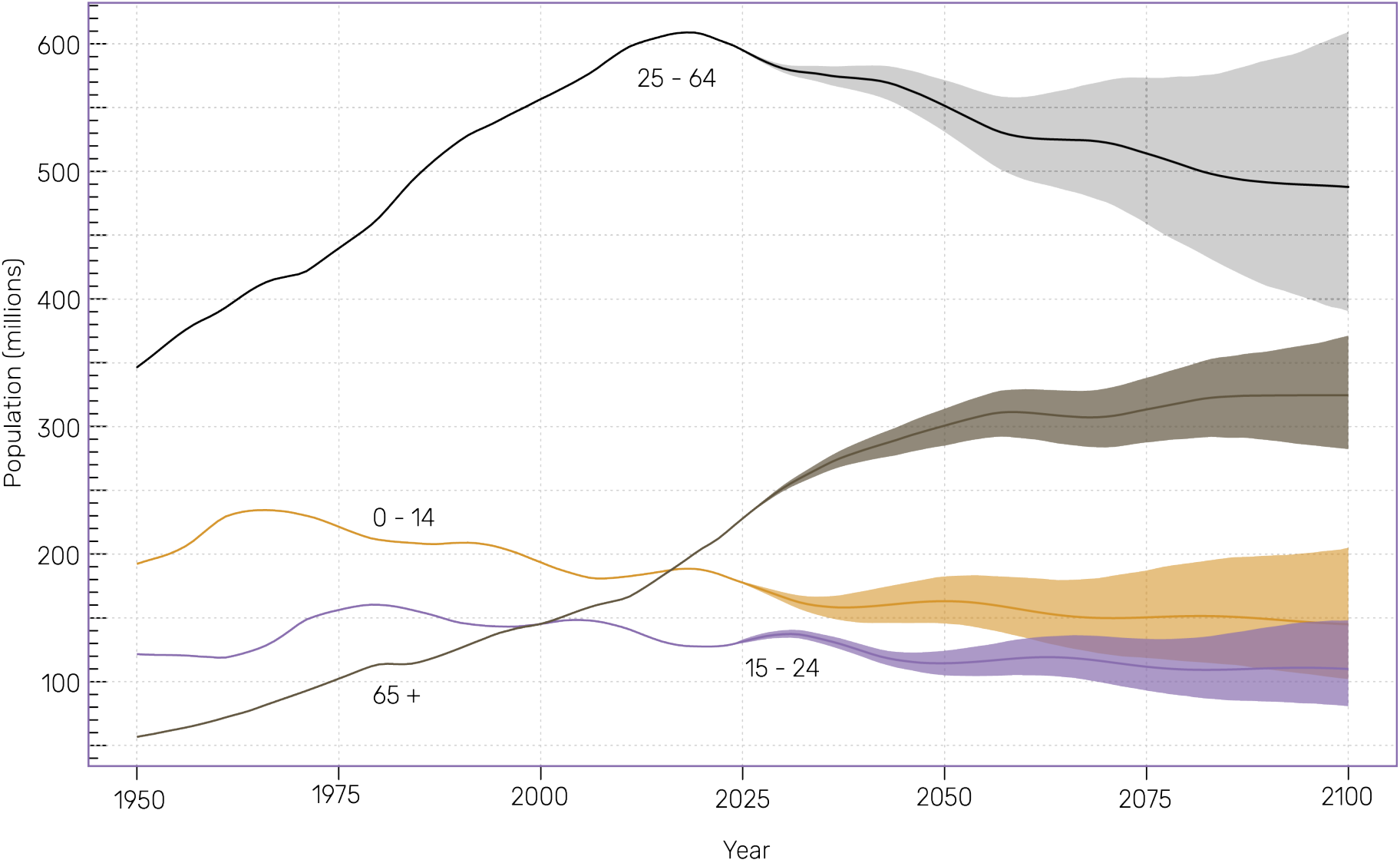
photo: Los Angeles Times



photo: A. Carrubba

aging society

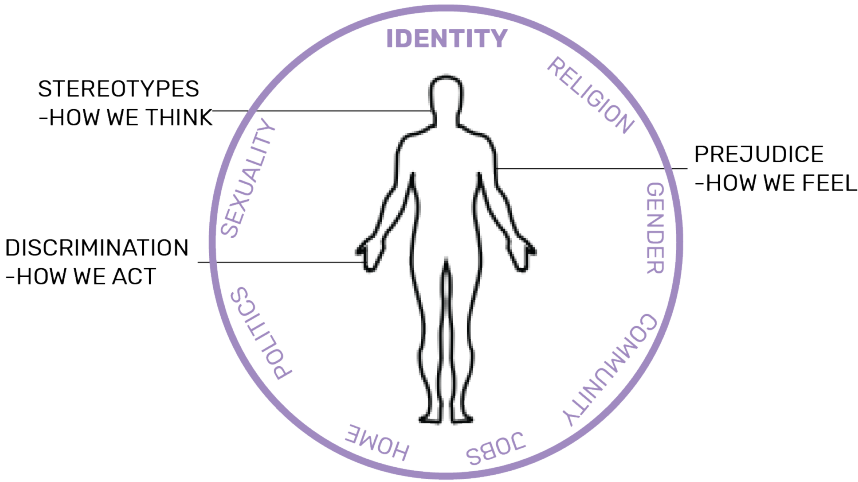
Europe and Northern America: Population by broad age groups



United Nations, 2019

complexity of life events that lead a person to refer themselves as old, and to be perceived as old by those around them

Turai, 2009



who cares about elderly?

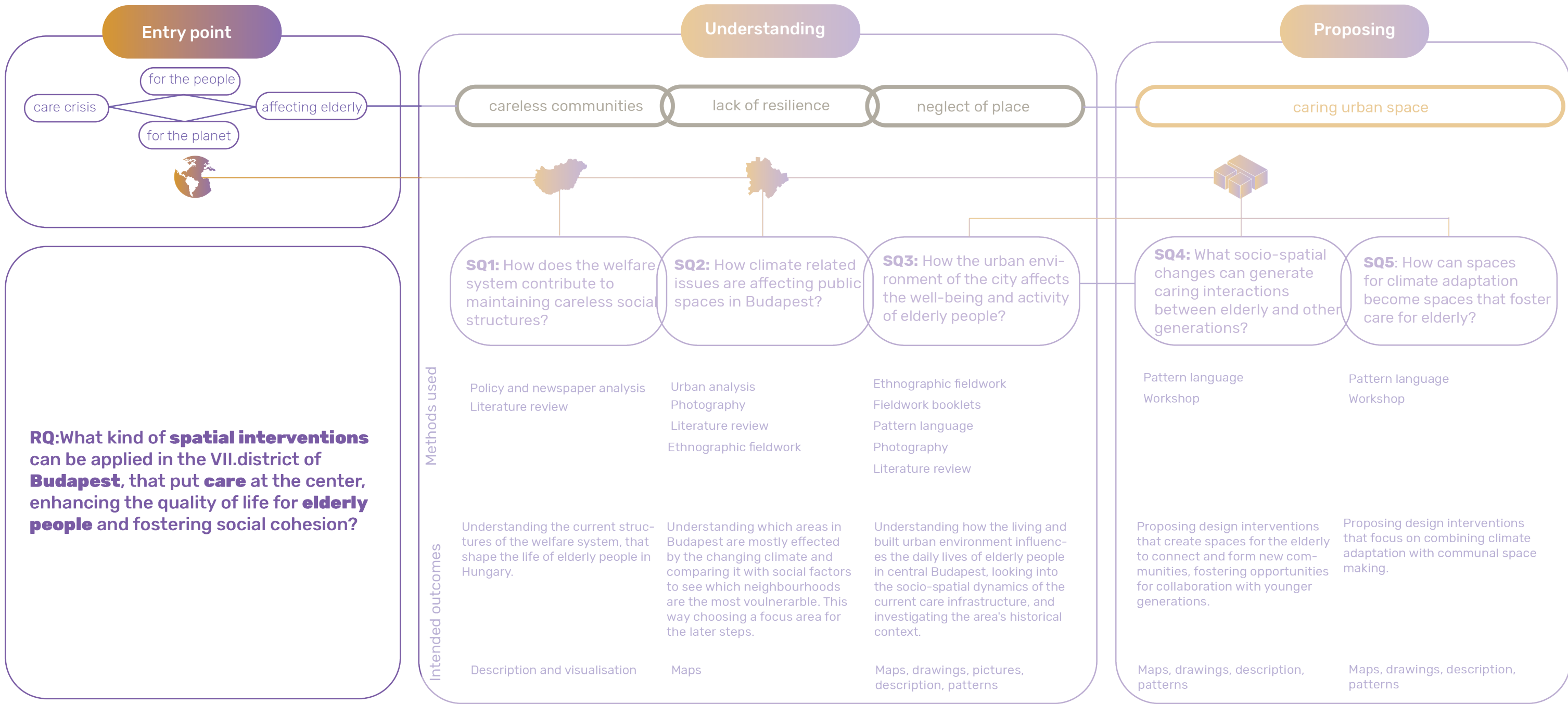


"DON'T BE CRUAL"

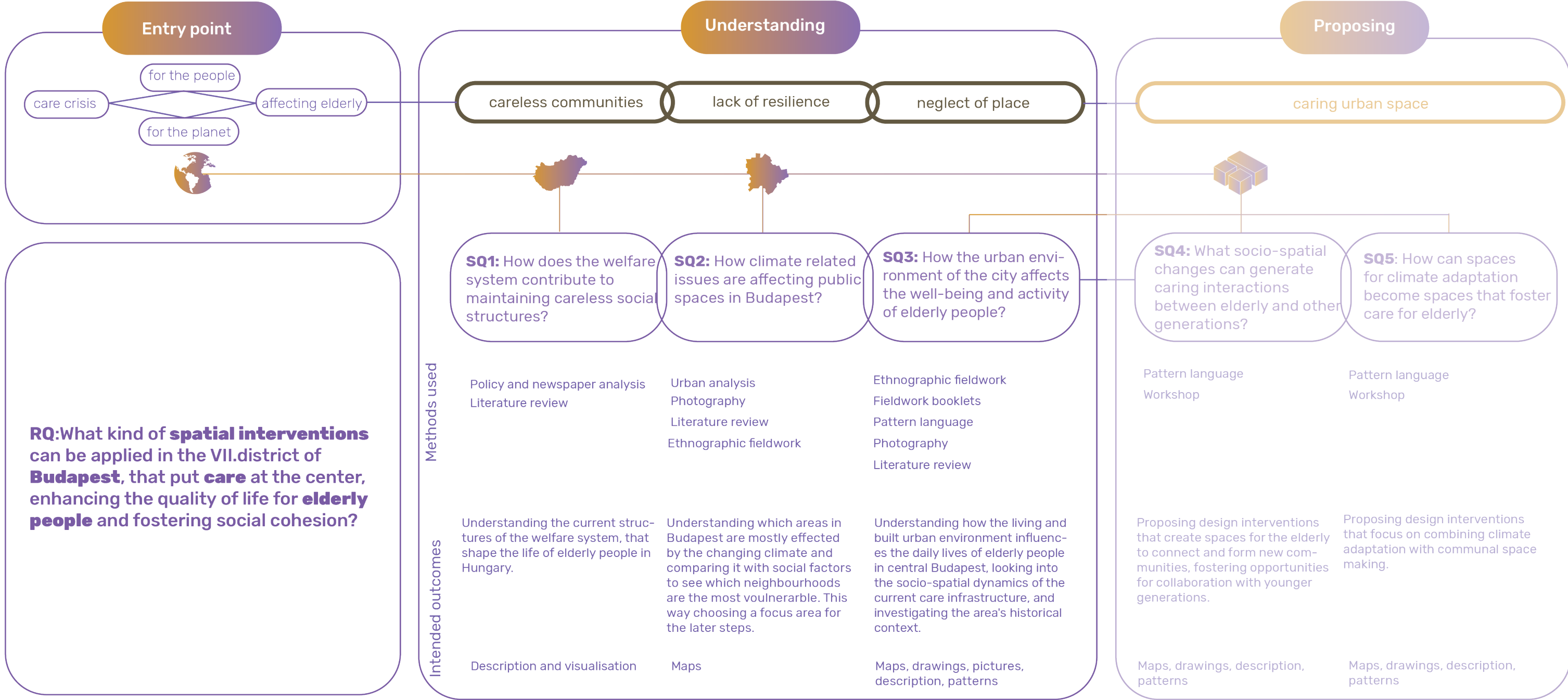
problem statement

The care crisis has a global impact on people and the planet. For people, neoliberal structures are not prioritising well-being, while our planet is under pressure from the growing effects of climate change. These problems particularly affect the most vulnerable groups, such as the elderly. In Hungary, the **well-being of older people is currently facing serious challenges** (Chen et al., 2018), compounded by a dismantled welfare system, the lack of strong communities and climate resilient places and the fact that our cities are not suitable for older people.

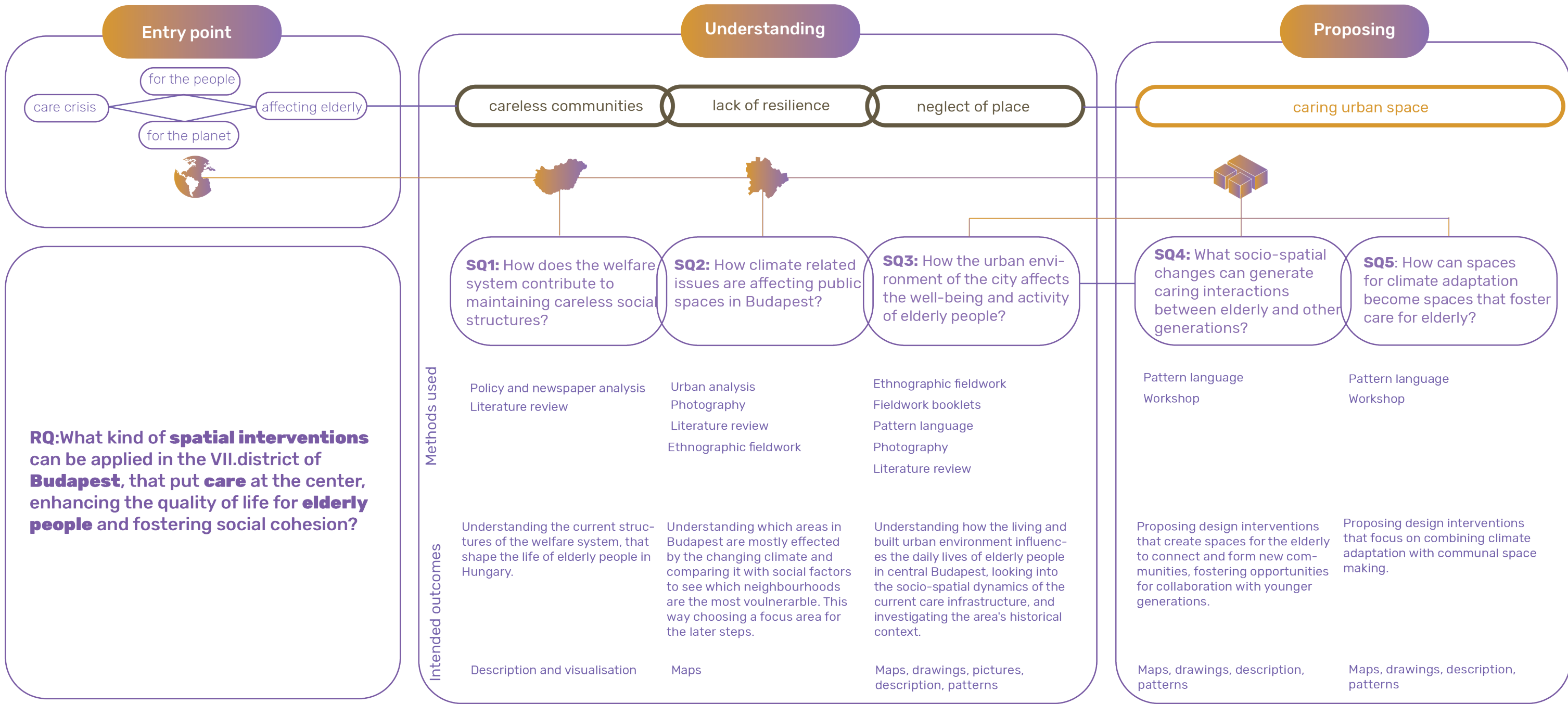
research questions & methodology



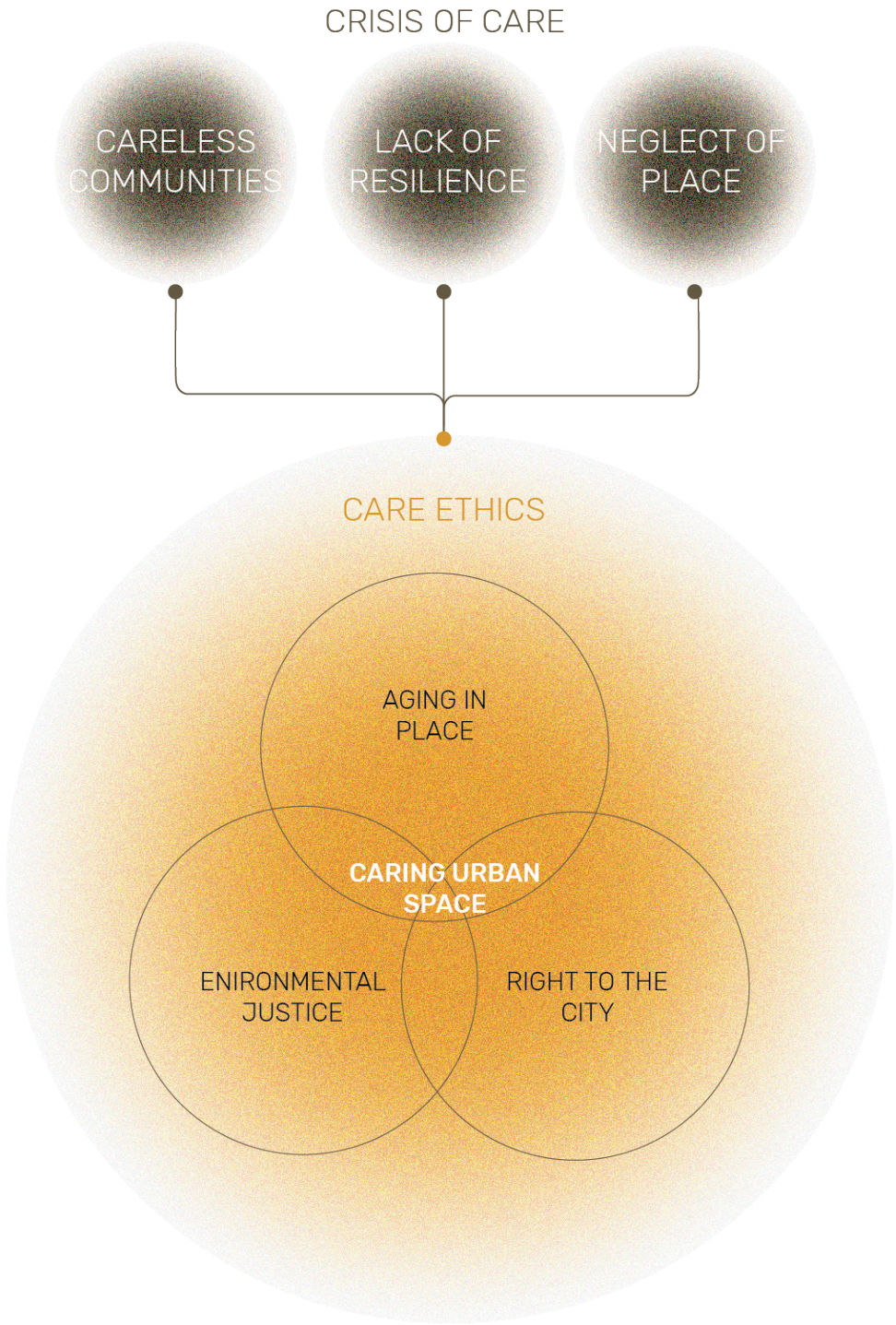
research questions & methodology



research questions & methodology



concepts & theories

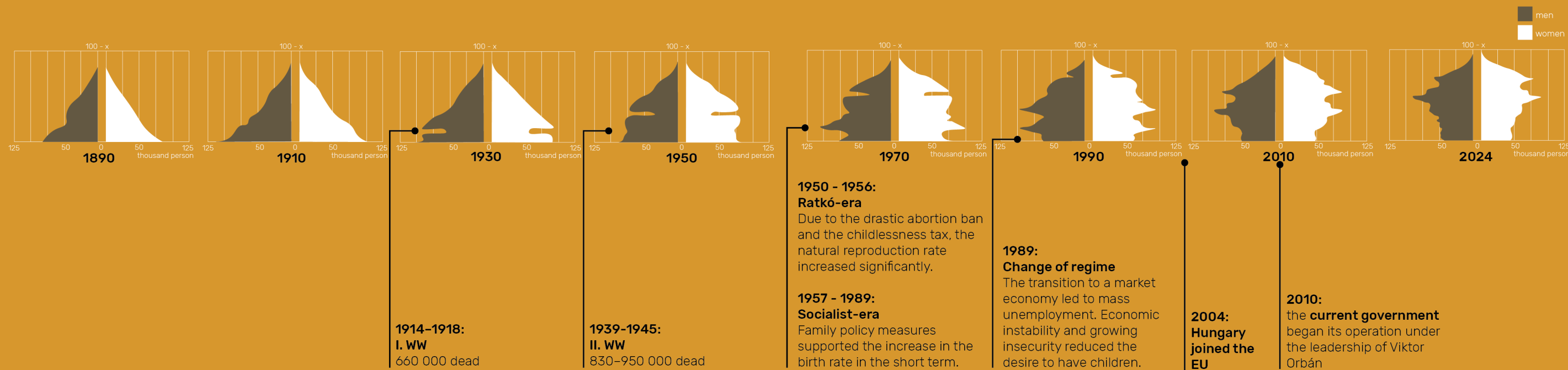


“Care is our individual and common ability to provide the political, social, material and emotional conditions that allow the vast majority of people and living creatures on this planet to thrive – along with the planet itself.”

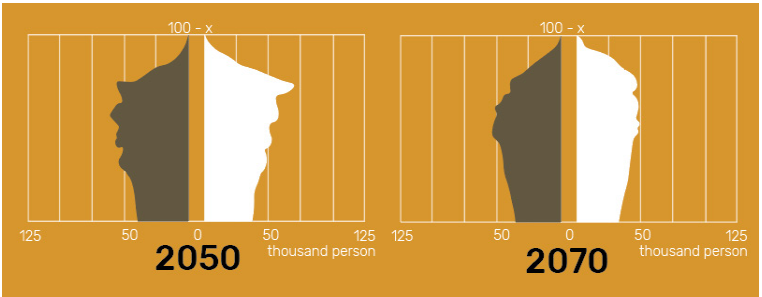
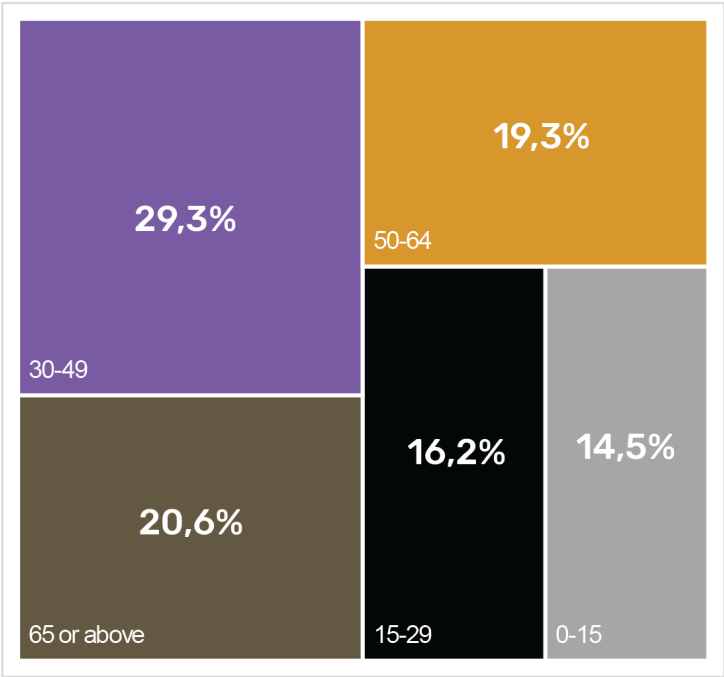
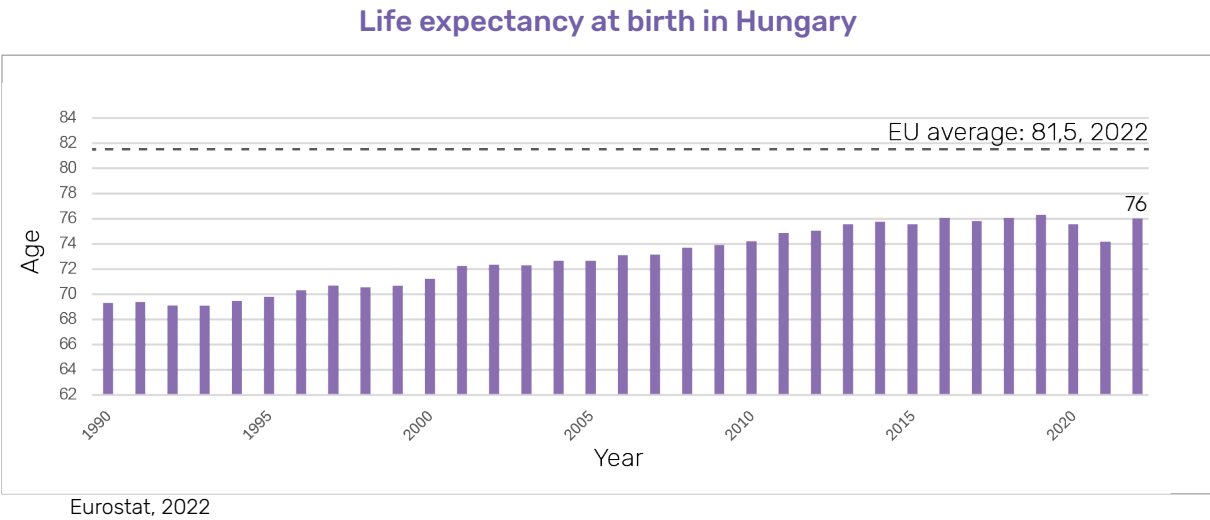
- Chatzidakis et al., 2020

hungary's welfare system

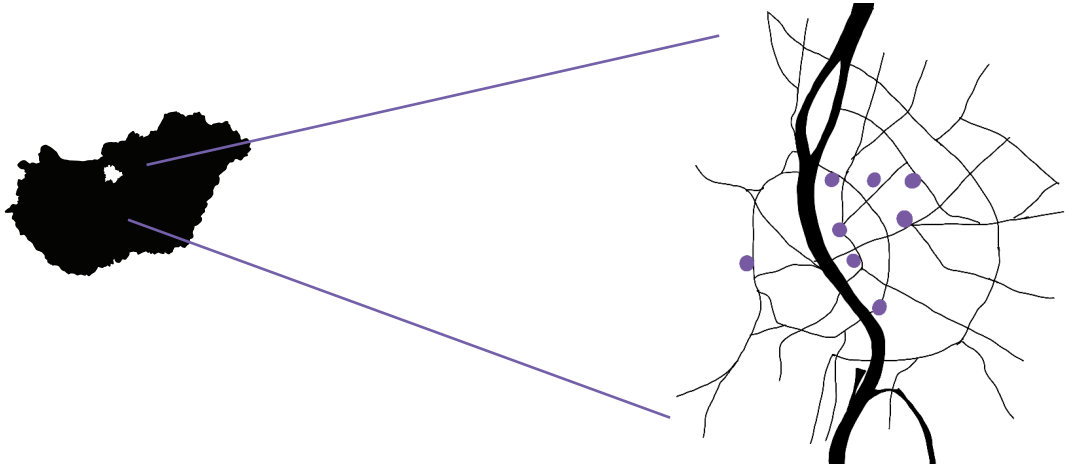
SQ1: How does the welfare system contribute to maintaining careless social structures?



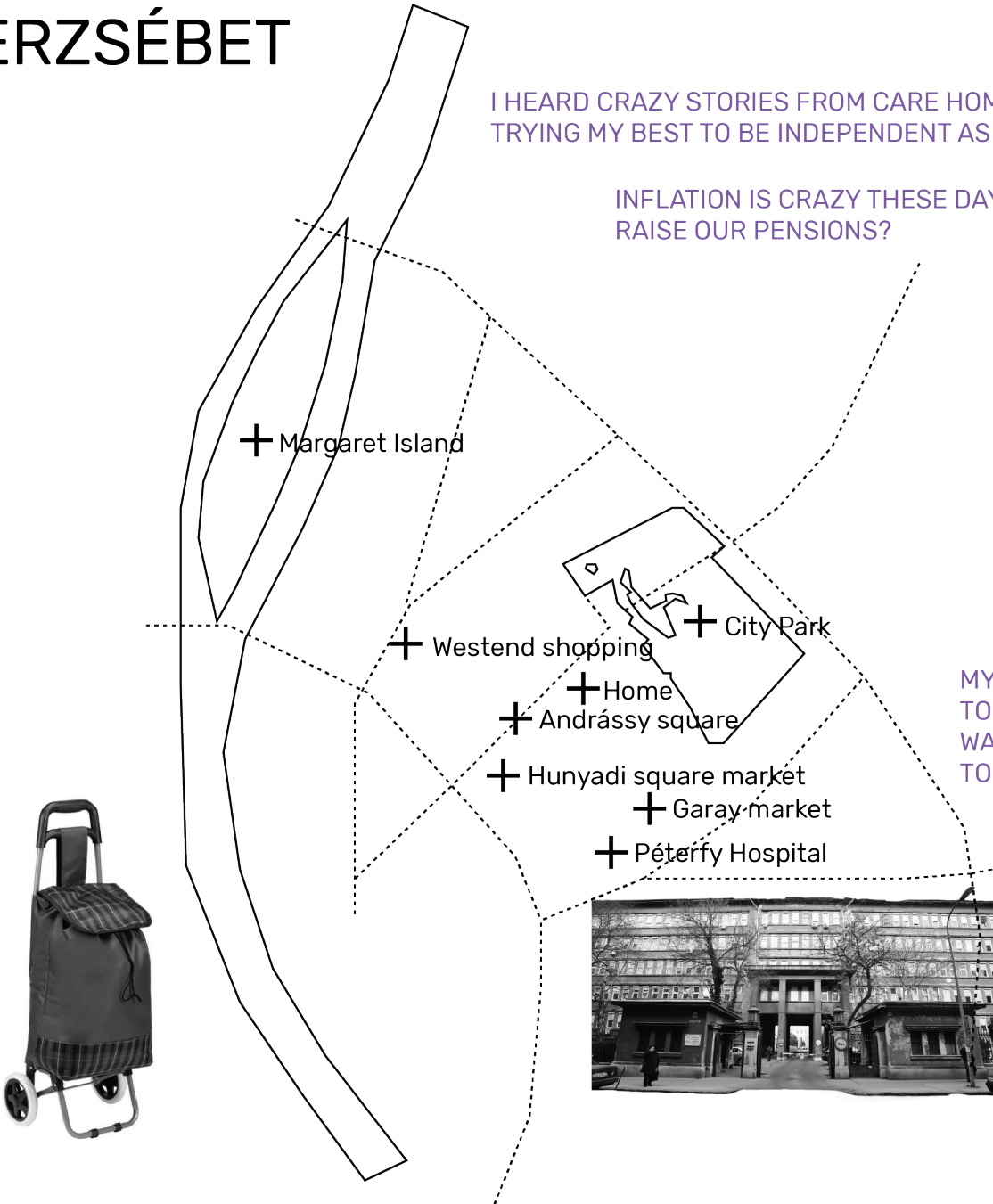
hungary's welfare system



fieldwork - walk & talk interviews



ERZSÉBET



I HEARD CRAZY STORIES FROM CARE HOMES, SO I AM TRYING MY BEST TO BE INDEPENDENT AS LONG AS I CAN.

INFLATION IS CRAZY THESE DAYS, AND WHO'S GONNA RAISE OUR PENSIONS?

+ Daughter's place

MY LEGS HURT AND MY DOCTOR SAID I NEED TO HAVE A HIP REPLACEMENT, BUT THE WAITING LISTS ARE SO LONG... I THINK I HAVE TO WAIT 2 YEARS FOR THAT






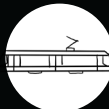









I WASN'T VERY SOCIAL BEFORE, BUT AFTER MY HUSBAND DIED I BECAME VERY LONELY, SO HAVING SOCIAL INTERACTIONS ARE VERY IMPORTANT TO ME NOW



SOMETIMES STREETLIGHTS SWITH TO RED SO QUICKLY THAT I DON'T HAVE TIME TO GET TO THE OTHER SIDE OF THE PEDESTRIAN CROSSING



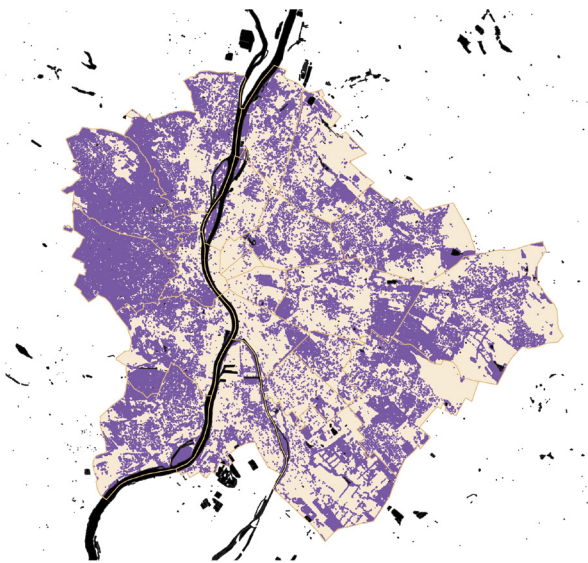
DECADES AGO YOU COULD FIND PUBLIC TOILETS EVERYWHERE, BUT NOW THEY'RE ALL CLOSED. AT THIS AGE I HAVE TO USE THE BATHROOM MORE OFTEN, AND IT IS EMBARASSING, BUT I HAVE TO TAKE INTO CONSIDERATION IF THERE WILL BE A TOILET WHERE I AM GOING OR NOT

WEAKNESSES			USE OF PUBLIC SPACES														CLIMATE				SOCIAL CONNECTIONS							
NAMES	AGE GROUP	GENDER	LACK OF ELEVATORS	LACK OF TOILETS	TRASH	STAIRS	DOG POOP	PARKING CARS	SAFETY ISSUES	DIFFICULTIES GETTING ON TRAMS	SCOOTERS ON SIDEWALK	TOO MUCH PAVEMENT	TRAFFIC JAMS	LACK OF BENCHES	LACK OF BINS	UNEVEN PAVEMENTS	STREETLIGHTS CHANGE TOO QUICKLY	AIR POLLUTION	NOT ENOUGH GREEN SPACE	DIFFICULTIES WITH EXTREME HEAT	STORMWATER ISSUES	PARTNER DIED	GENERATIONAL GAP	LACK OF CONNECTIONS WITH YOUNG PEOPLE	NOT CLOSE WITH FAMILY	DIFFICULTIES WITH THE ONLINE WORLD	NO CONNECTION WITH NEIGHBOURS	
ERZSÉBET	75-80	F	●	●	●	●	●		●		●		●		●	●		●	●	●		●	●	●	●	●		
ERIKA	75-80	F		●		●			●											●			●			●		
KÁLMÁN	80-85	M		●	●		●					●							●	●			●			●		
HELGA	70-75	F		●		●		●		●	●	●	●	●		●	●		●	●	●	●		●	●	●	●	
MAGDOLNA	70-75	F		●						●				●	●				●	●				●	●		●	
ZSUZSA	75-80	F	●	●		●			●				●			●			●	●	●		●	●		●		
ILONA	85-90	F		●		●		●		●		●					●	●	●		●		●	●	●	●	●	
ISTVÁN	75-80	M			●		●	●						●	●								●	●		●	●	
			●		●		○		●				○			○		○	●	●			○	●	●	○	●	○
Pattern ideas:																												

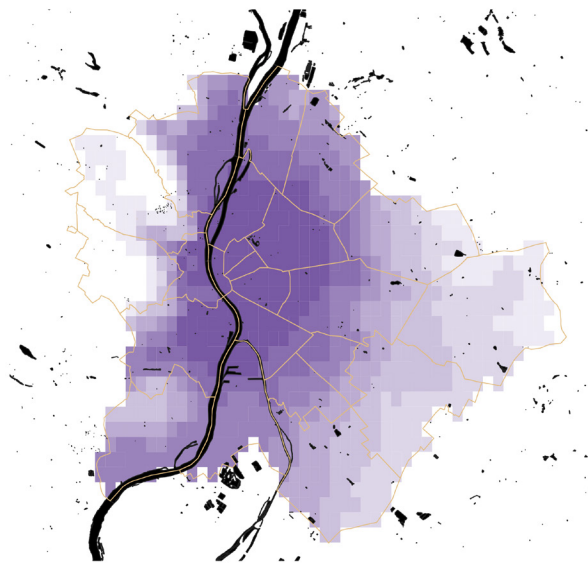
Budapest

climate factors

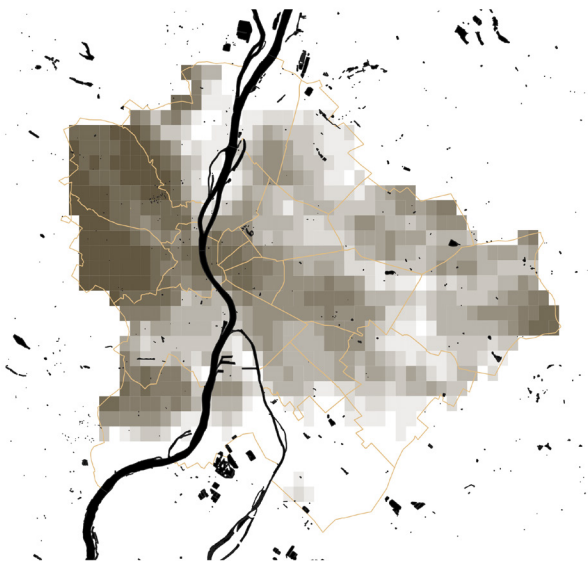
green spaces



average temperature in summer



precipitation

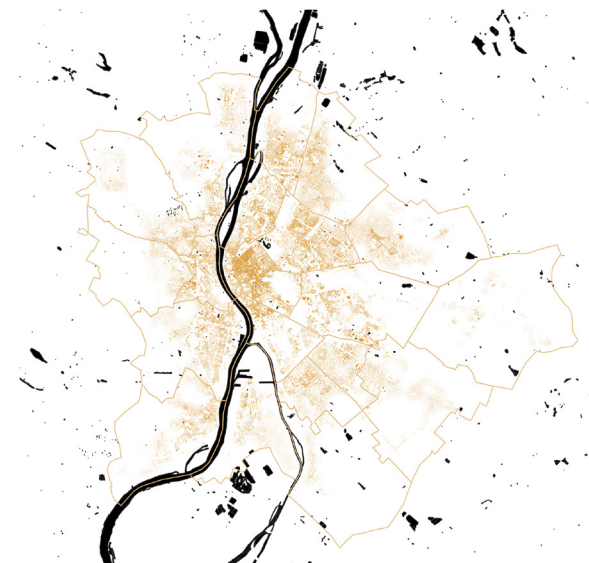


air pollution

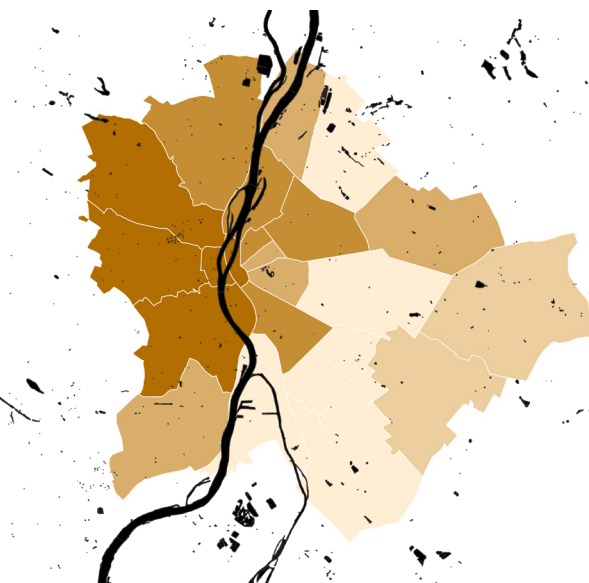


social factors

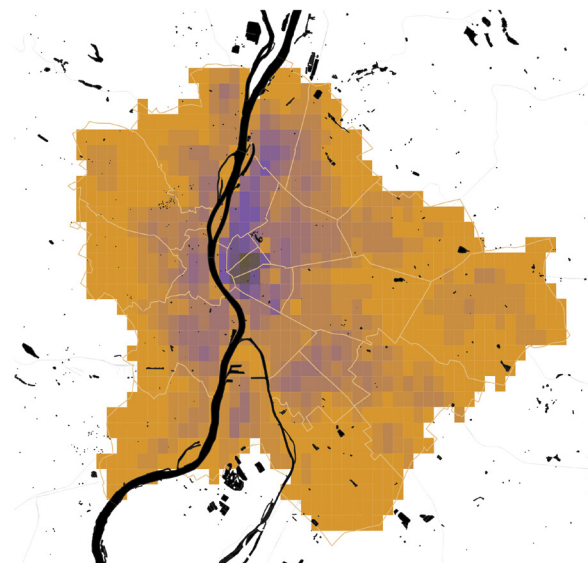
concentration of elderly



income



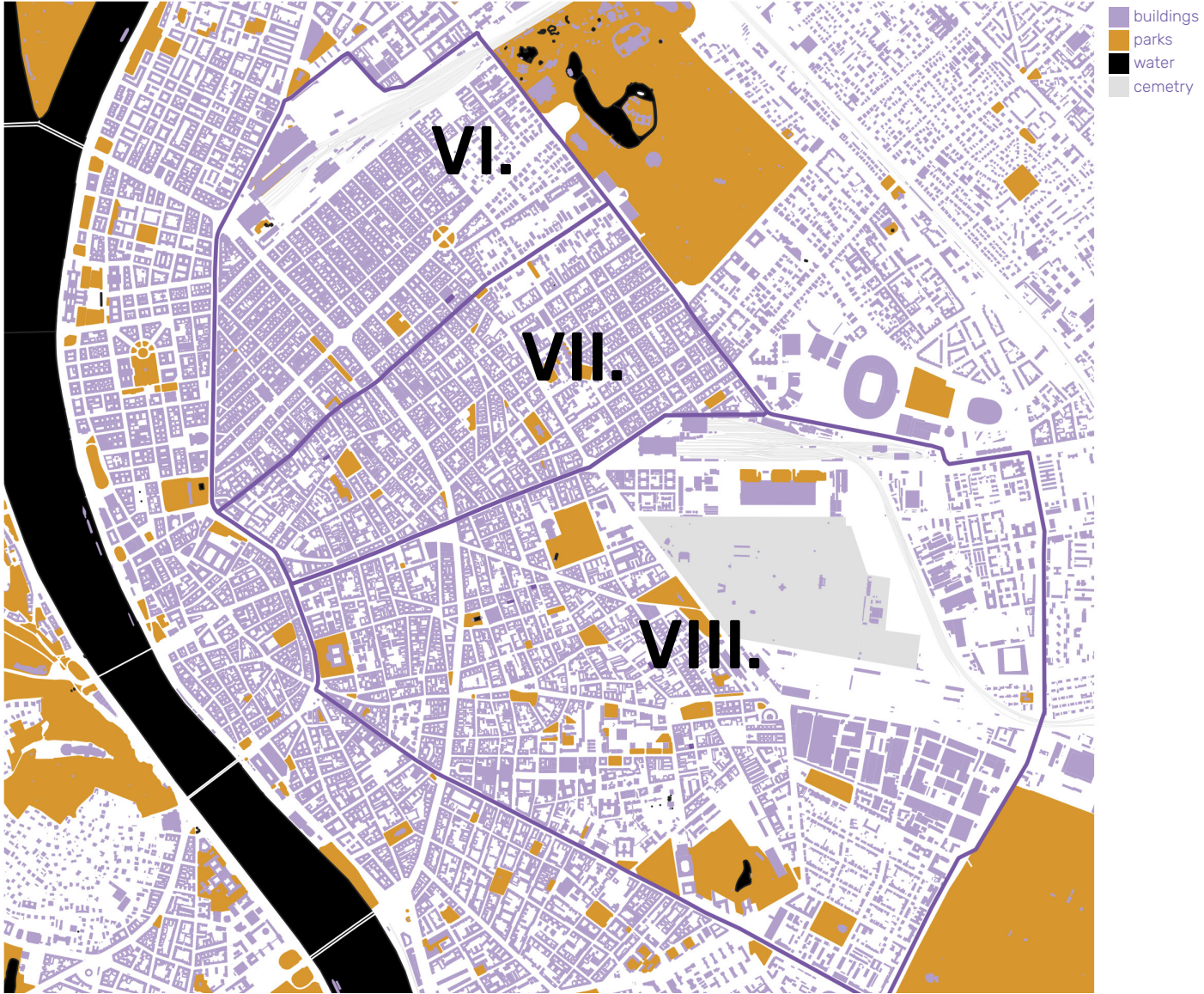
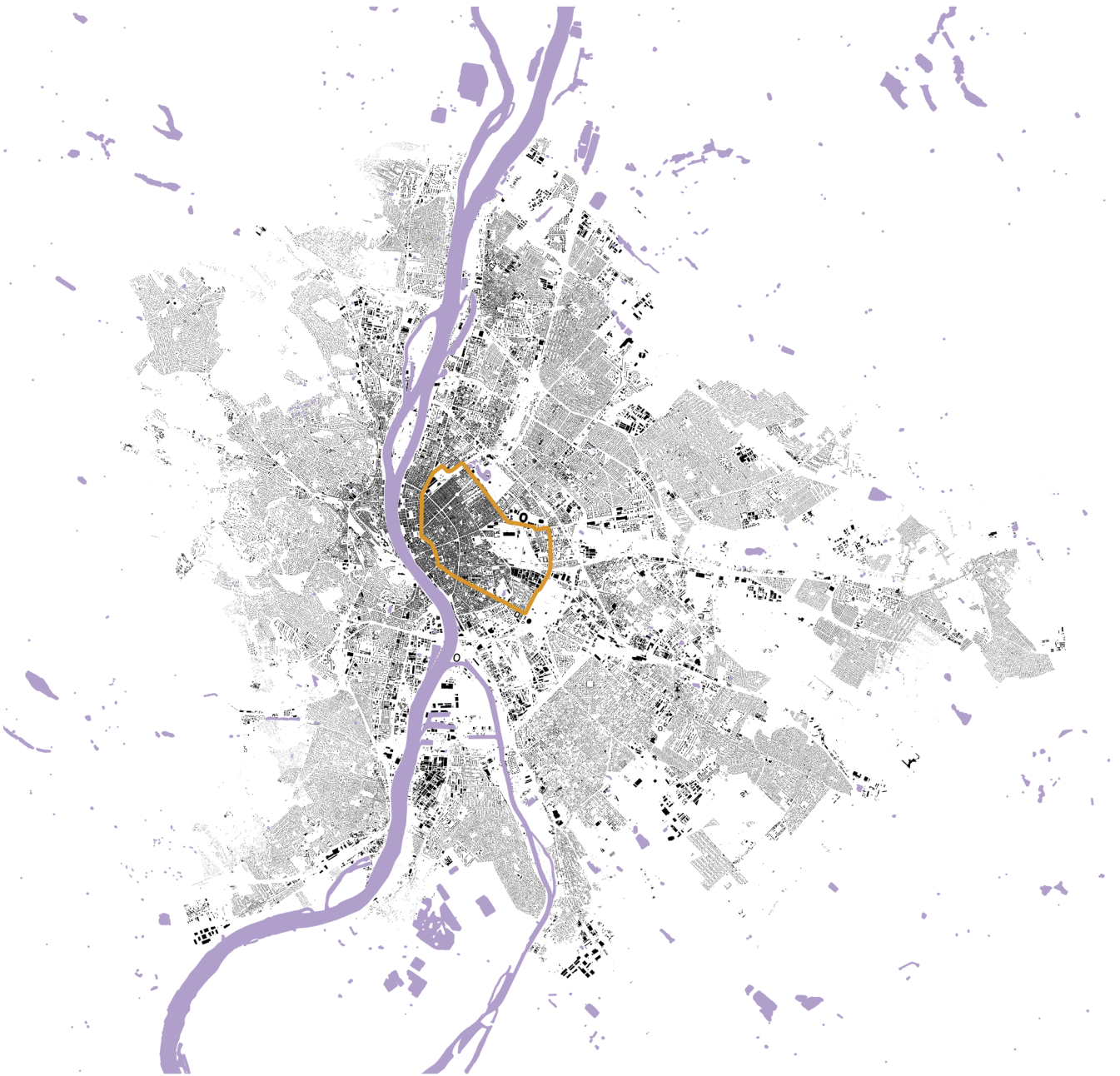
density



life expectancy

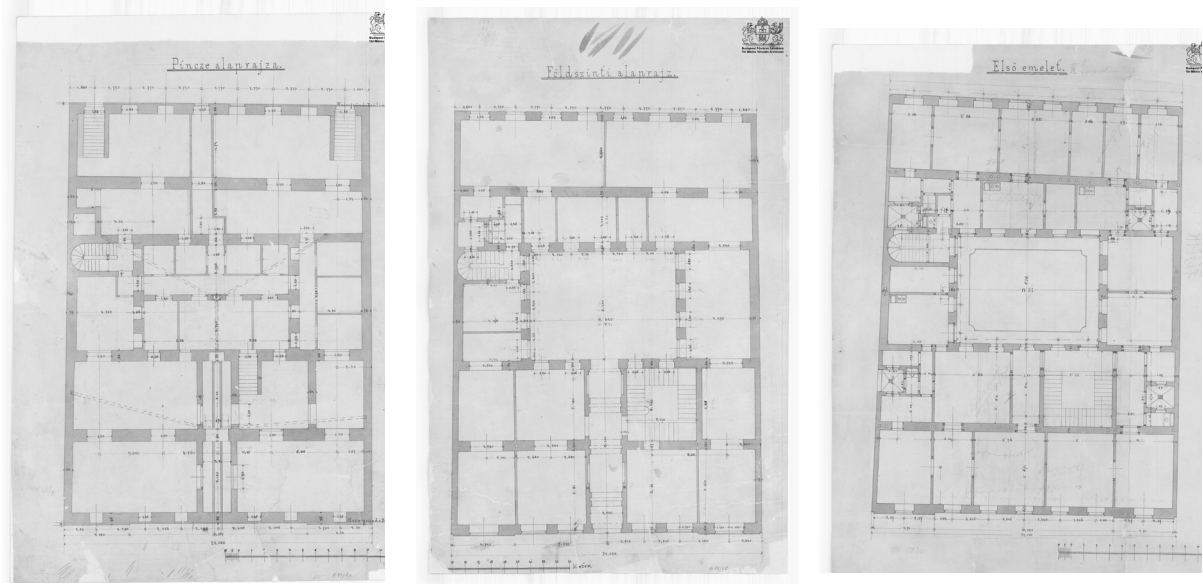
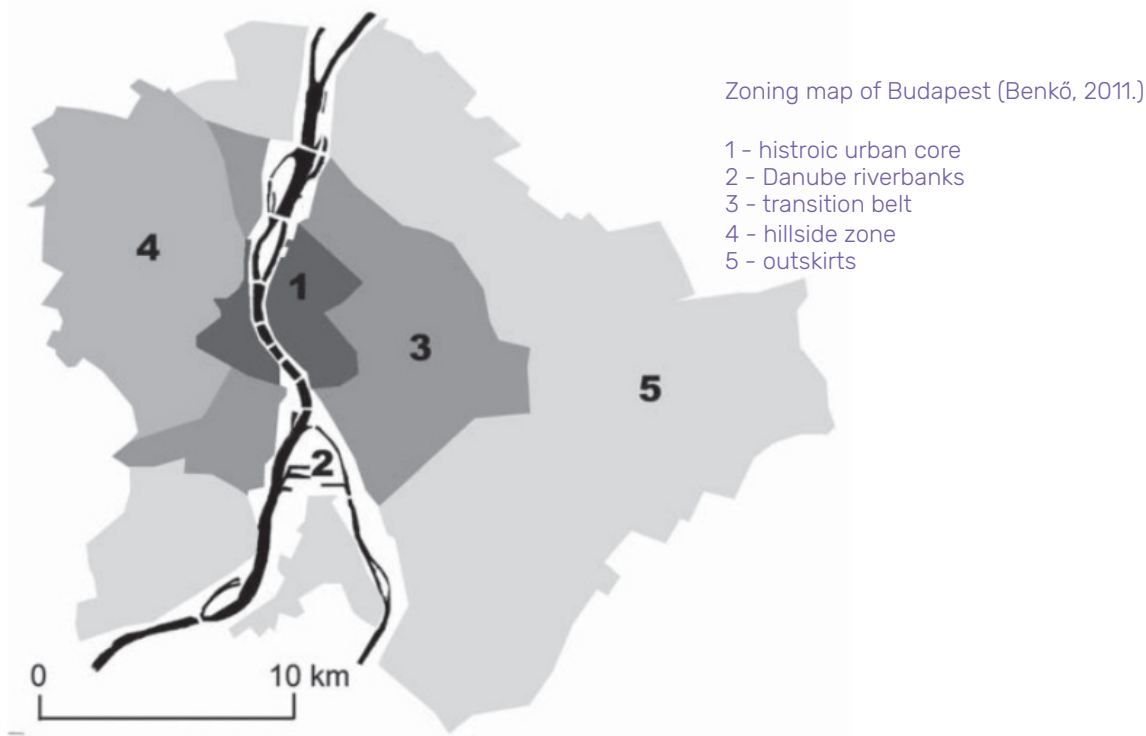


focus area





history of the buildings



history of the buildings



door & hallway



courtyard



stairs



open hanging corridors



caretaker of the building



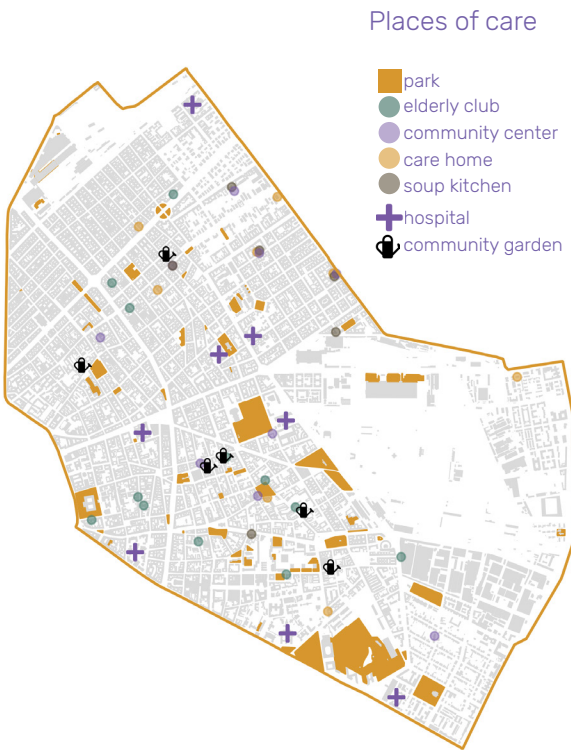
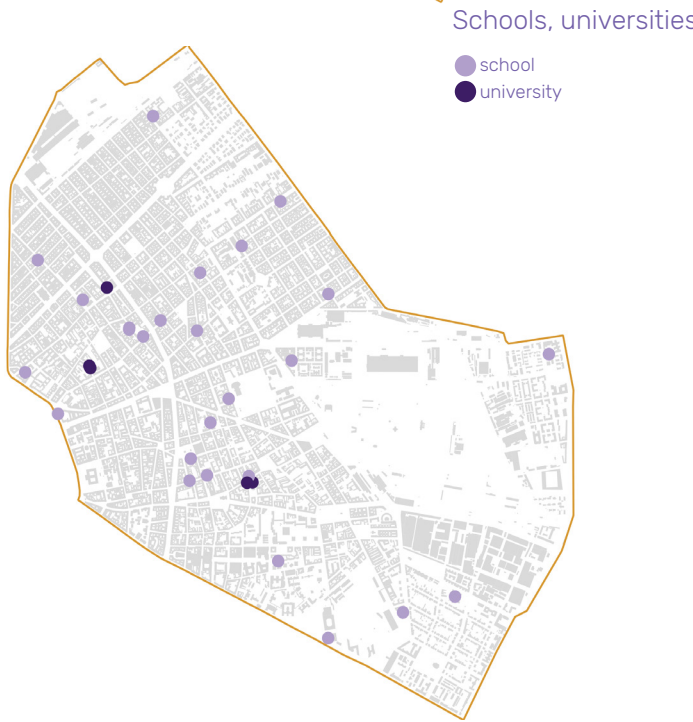
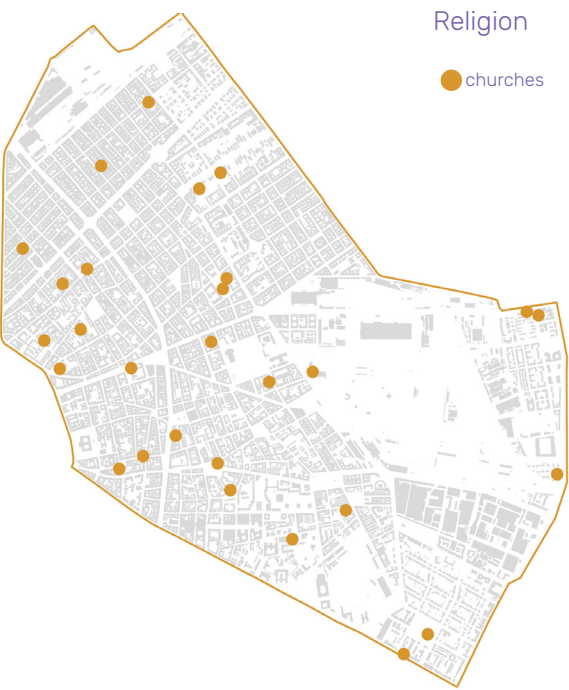
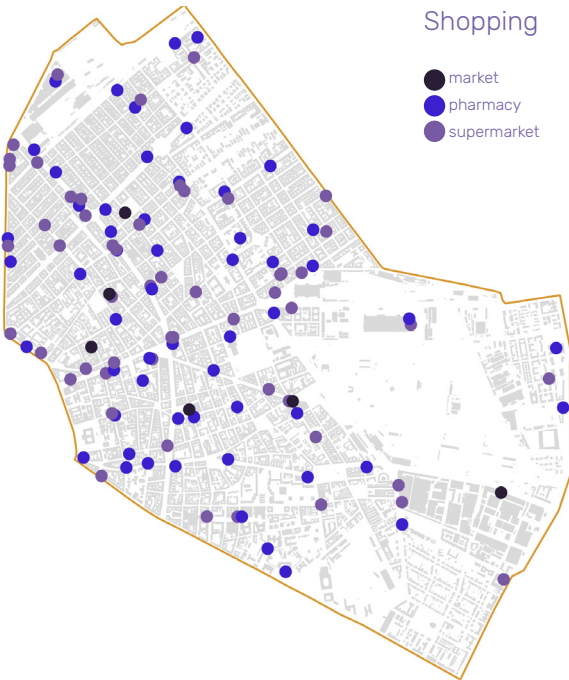
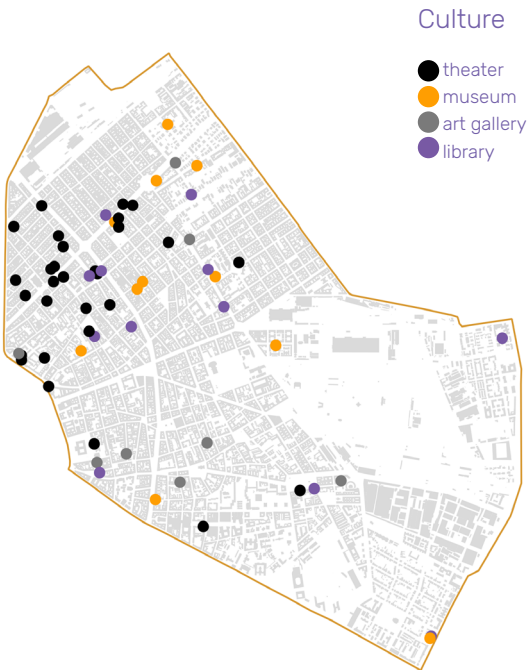
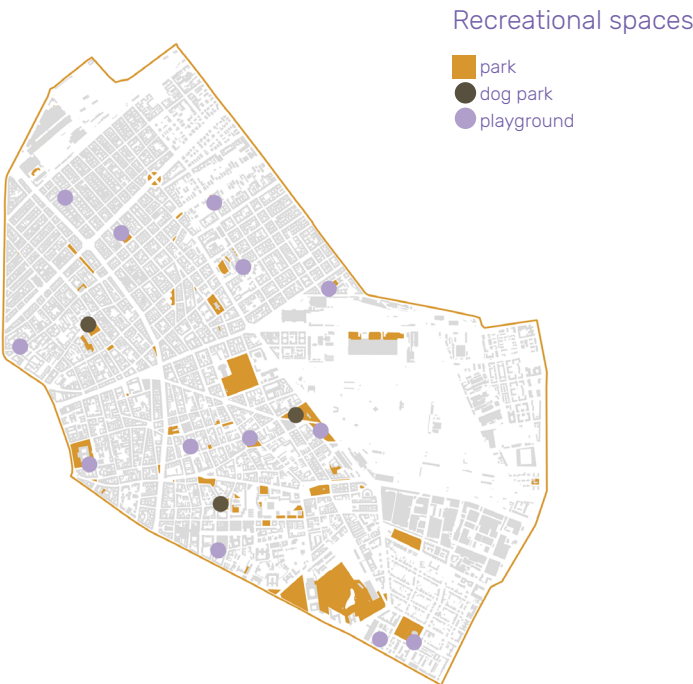
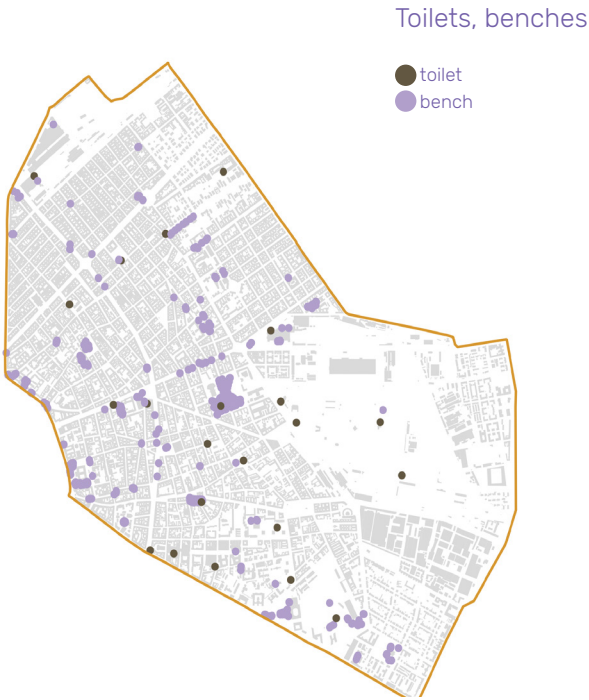
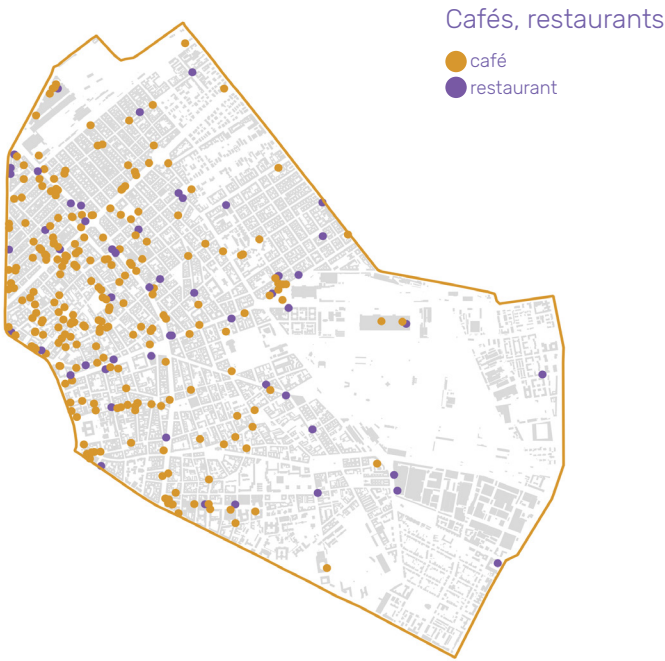
everyday life

current challenges

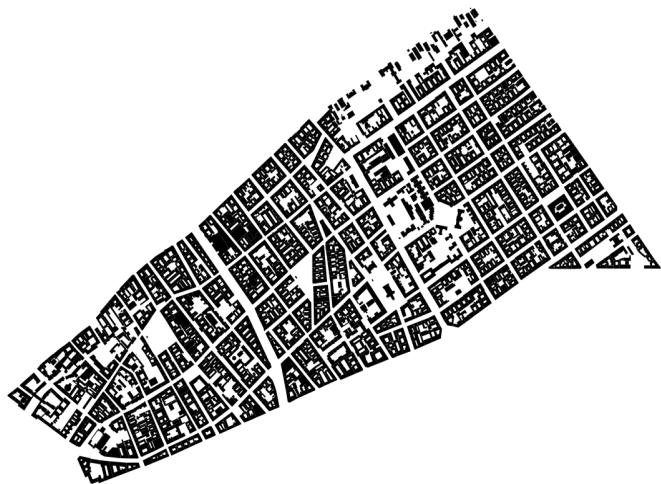
- Privatization
- Rehabilitation projects
- Shifts in community
- Short-term rental platforms
- Common areas are underutilized

pictures: Fortepan, National Photo Gallery

urban space analysis



public space analysis



1 GARAY SQUARE



Type of space:
place for movement

Function:
square in front of a shopping center

2 RÓZSÁK SQUARE



Type of space:
place for movement

Function:
square around the church

3 ALMÁSSY SQUARE



Type of space:
place to stay

Function:
park with playground and dog park

4 BETHLEN GÁBOR SQUARE



Type of space:
place for movement, place to stay

Function:
square at an intersection

5 SZENES HANNA SQUARE



Type of space:
place to stay

Function:
small park

6 LÖVÖLDE SQUARE



Type of space:
place to stay

Function:
park

7 HEVESI SÁNDOR SQUARE



Type of space:
place for movement, place to stay

Function:
square in front of the theater

8 IZABELLA - ALSÓ ERDŐSOR SQUARE



Type of space:
place to stay

Function:
square in an intersection

9 SZÁZHÁZ PARK



Type of space:
place to stay

Function:
park with playground

street analysis

MAIN STREET

Type of space:

place to stay/place for movement

Function:

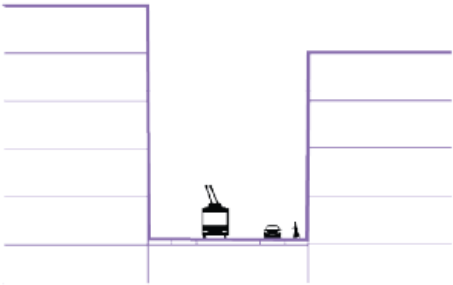
mobility, economic, social, residential

Qualities:

-  active ground floor
-  outside seating
-  public transport
-  green spaces/trees
-  place to interact
-  connectivity
-  eyes on the street

Challenges:

-  loud
-  busy



Király street



Erzsébet boulevard

MIXED-USE STREET

Type of space:

place for movement


Function:

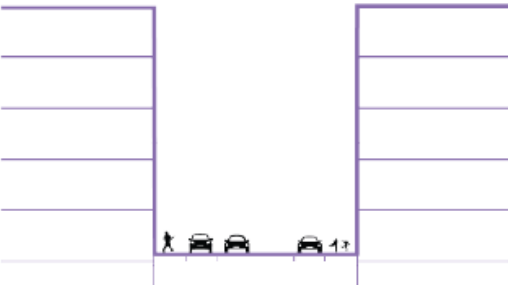
mobility, economic, residential

Qualities:

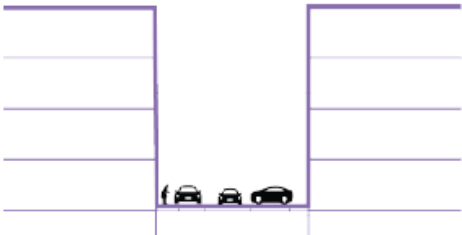
-  public transport
-  connectivity
-  many ground floor function
-  eyes on the street

Challenges:

-  too many parking cars
-  no green space
-  no outside seating
-  no places to interact



István street



Wesselényi street

LIVING STREET

Type of space:

place for movement

Function:

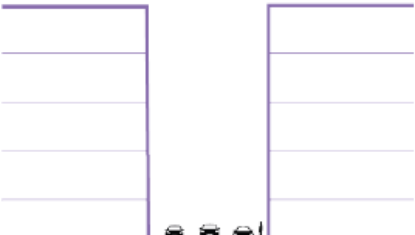
residential

Qualities:

-  quiet

Challenges:

-  no outside seating
-  no places to interact
-  no public transportation
-  no ground function
-  parking cars
-  no eyes on the street

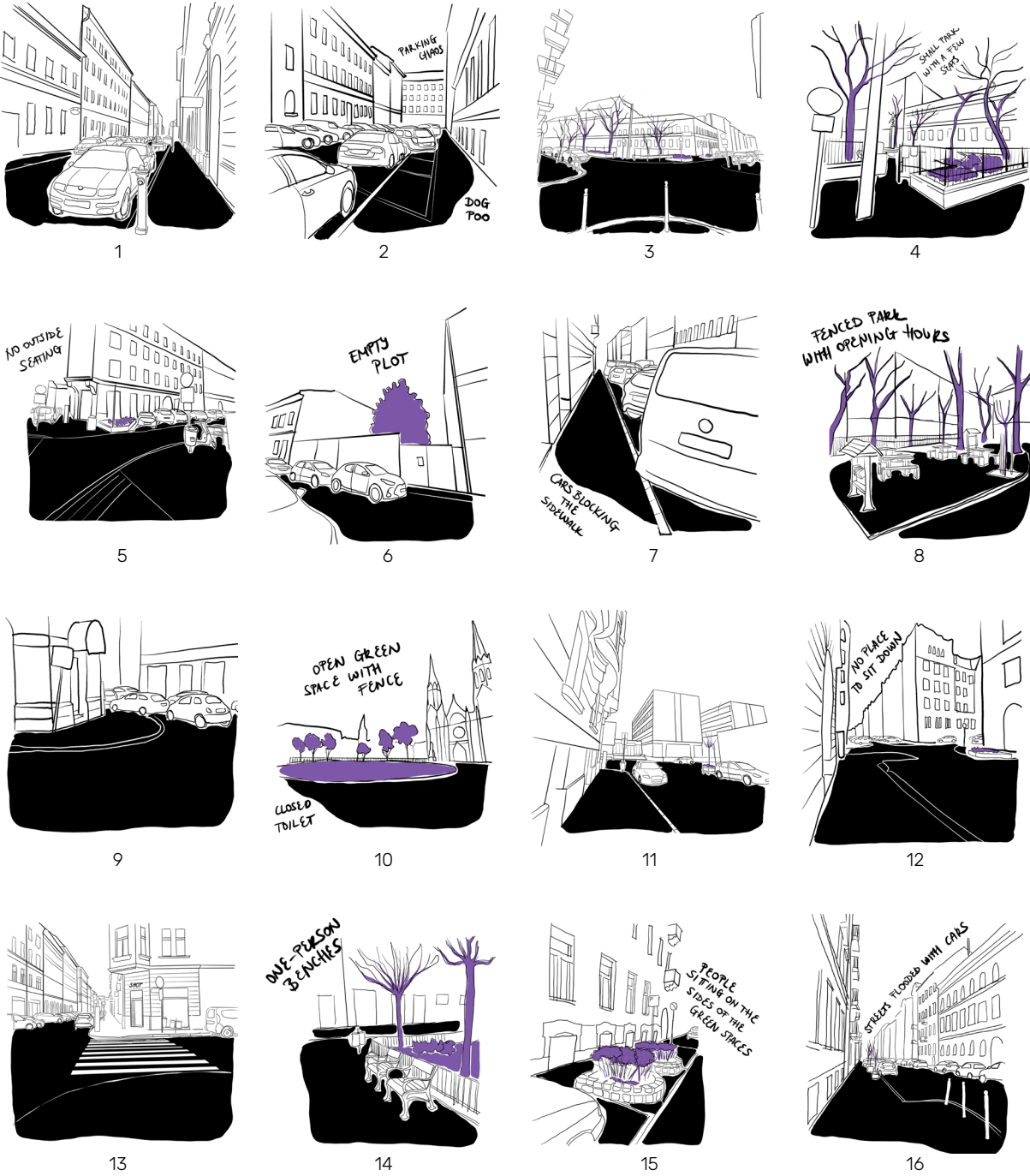


Szinva street



Vörösmarty street

conclusions from the analysis

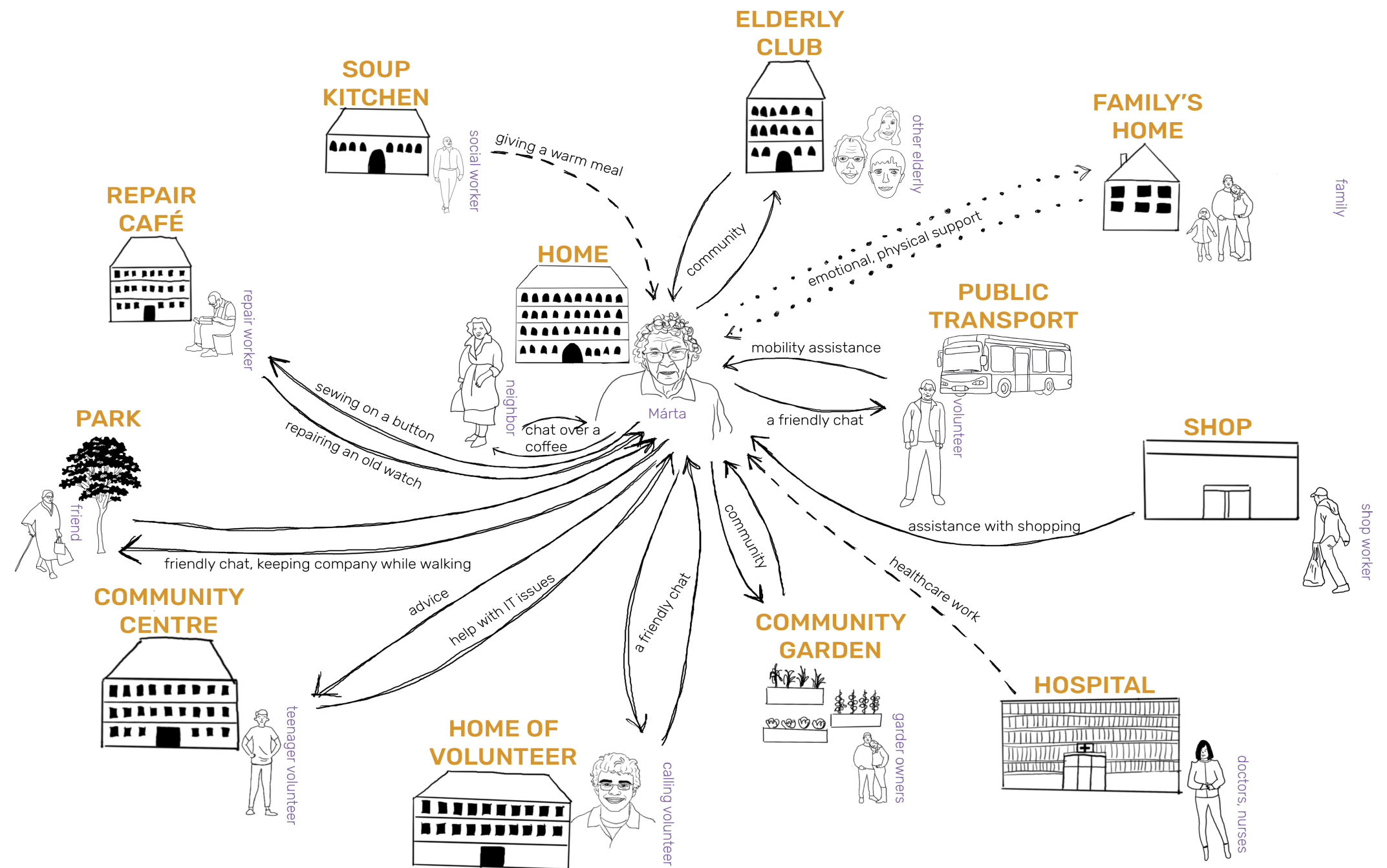


proposal

care, a tool to reshape the boundaries of publicness

4 guide lines:

- Promoting the ability to age in place
- Creating spatial conditions where older adults feel empowered
- Providing equal access to healthy, inclusive environments
- Promoting care as an integral part of everyday life



pattern language

Christopher Alexander (1977)

Pattern code Pattern name	
hypothesis	
theoretical or empirical back-up	
practical implication	<div>scale ← A S B P U O →</div> <div>power to implement top-down ← → bottom-up</div> <div>dimensions of caring urbanism </div> <div>pattern derived from L I A D</div> <div>relation with other patterns</div> <div>sources</div>

scale
← A S B P U O →
A - across scales
S - street
B - block
P - plot
U - unit
O - object

pattern derived from
L literature
I interviews
A analysis
D design process

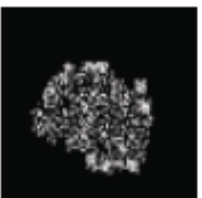
dimensions of caring urbanism



Placing care
- creating urban spaces that are supporting formal and informal care practices



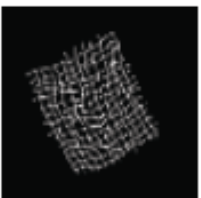
Accessibility as caring
- ensuring physical and social access



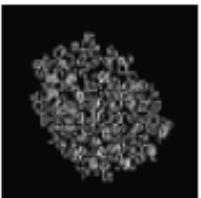
Sensory experiences
- considering environmental factors and sensory experiences



Openness and unfolding of care
- encouraging social and physical adaptability



Caring for attachment
- considering continuity and place attachment



Caring for the future
- creating responsible and sustainable urban spaces

Based on the dimensions of caring urbanism from Juliet Davis' The caring city book.
(Davis, J. (2022). The caring city: Ethics of urban design. Bristol University Press)

pattern language

Social connectivity

S1. Activate the courtyards	S2. Activate the empty plots	S3. Utilising municipal buildings	S4. Intergenerational playground	S5. Community garden	S6. Community kitchen	S7. Quiet zone	S8. Elderly club
S9. Repair center	S10. Community hub	S11. Activate the groundfloor	S12. Shared tools	S13. Adopt the green	S14. Community kiosk	S15. Add shade	

Climate adaptation

C1. Connect the green	C2. Airflow	C3. Permeable pavements	C4. Plant the street	C5. Remove tiles	C6. Cooling water	C7. Green walls	C8. Pocket park
C9. Rain garden	C10. Compost spot	C11. Put out a pot	C12. Add shade				

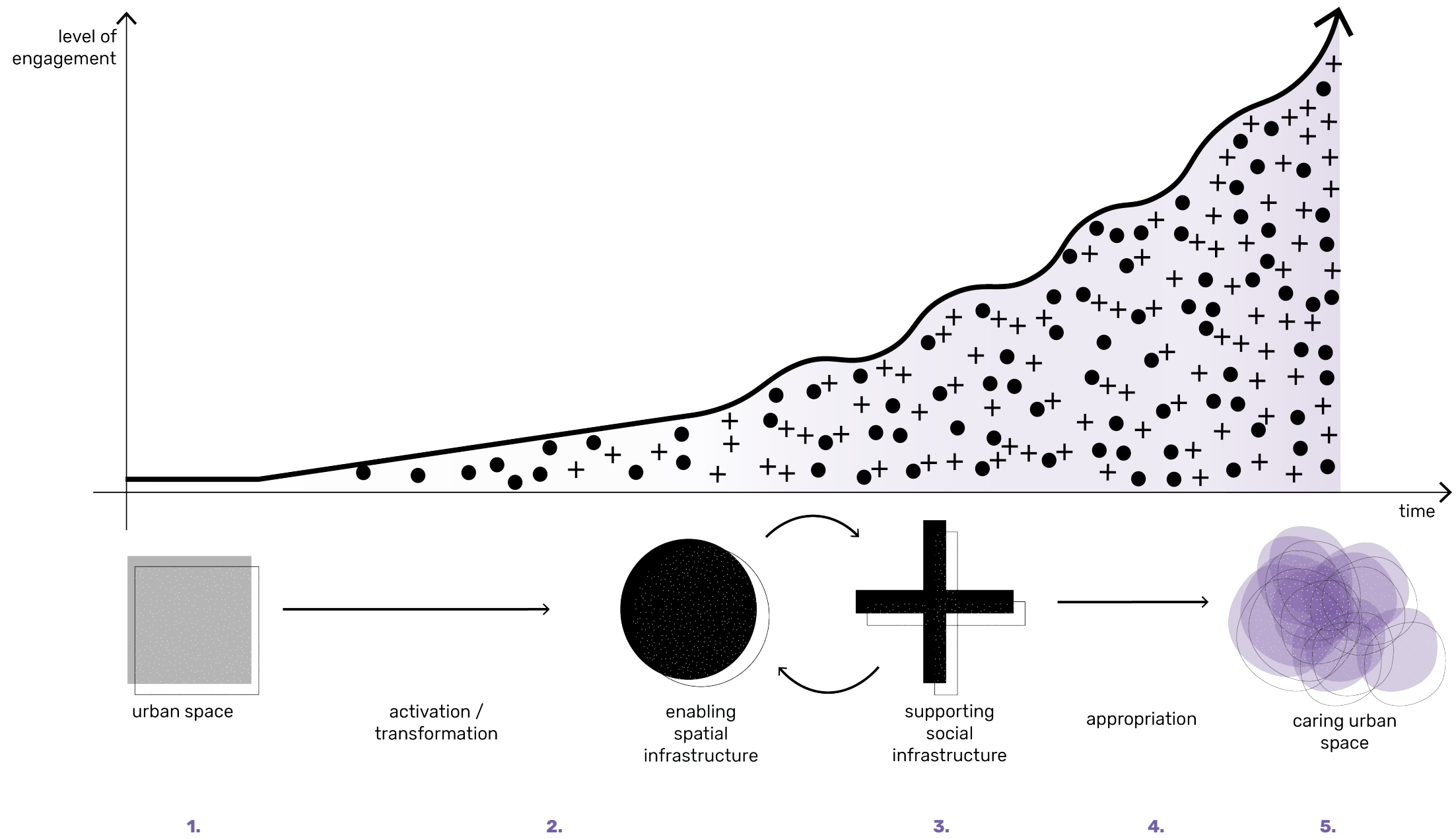
Urban infrastructure

U1. A short walk away	U2. Clear streets	U3. Connect the courtyards	U4. Multi-level parking	U5. Ground floor for the old	U6. Home modification	U7. Parking for special needs	U8. Entryway help
U9. Removing parking spaces	U10. Free toilet	U11. Transform the intersection	U12. Transform the street	U13. Remove fences			

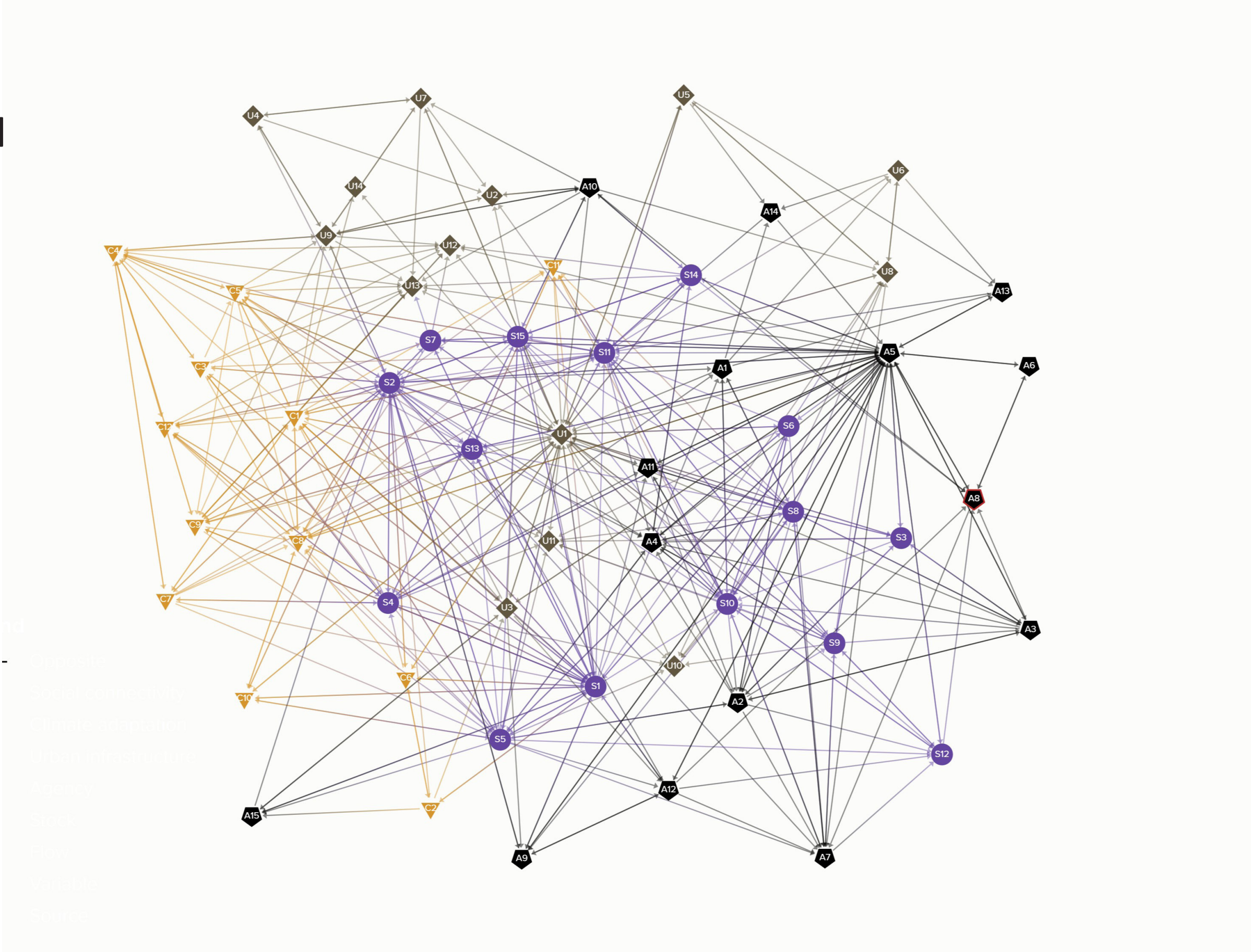
Agency

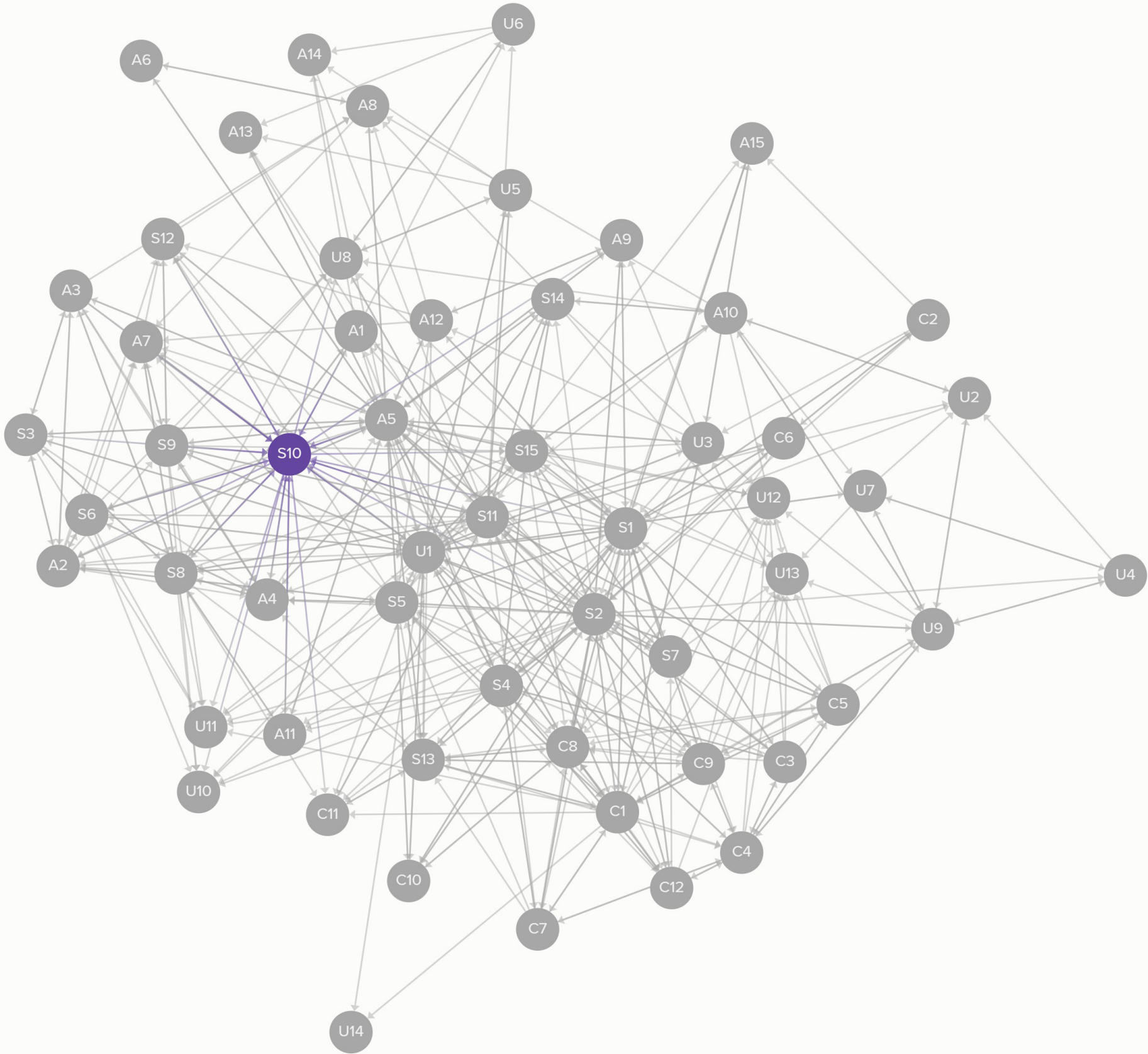
A1. Animal companions	A2. Let's learn	A3. Tech help	A4. Volunteering part-time	A5. Multigenerational mingle	A6. Friendly call	A7. Time banking	A8. Everyday assistance
A9. Voices of the block	A10. Street safety	A11. Together in motion	A12. Know you neighbour	A13. Intergenerational housing	A14. Let's move in together	A15. Open / close	

temporal evolution of space:



pattern field





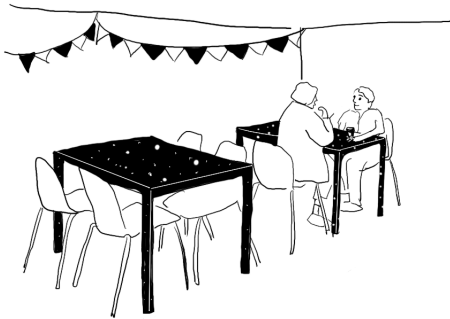
S10. Community hub

S10. Community hub

hypothesis
Communal spaces where everyone from the neighbourhood can meet and interact.

theoretical or empirical back-up
Many elderly people don't move around the city as much as they used to, but it's important for them to avoid isolation by leaving their homes occasionally. Getting out helps them stay active and socialize, which is why community hubs can play such an important role in their well-being and overall health. (Tomaka et al. 2006.)

practical implication
Creating community hubs every few blocks that are easily accessible to all, offering workshops or simply a welcoming space to relax, give elderly residents valuable opportunities to engage and socialize.



scale

U

power to implement

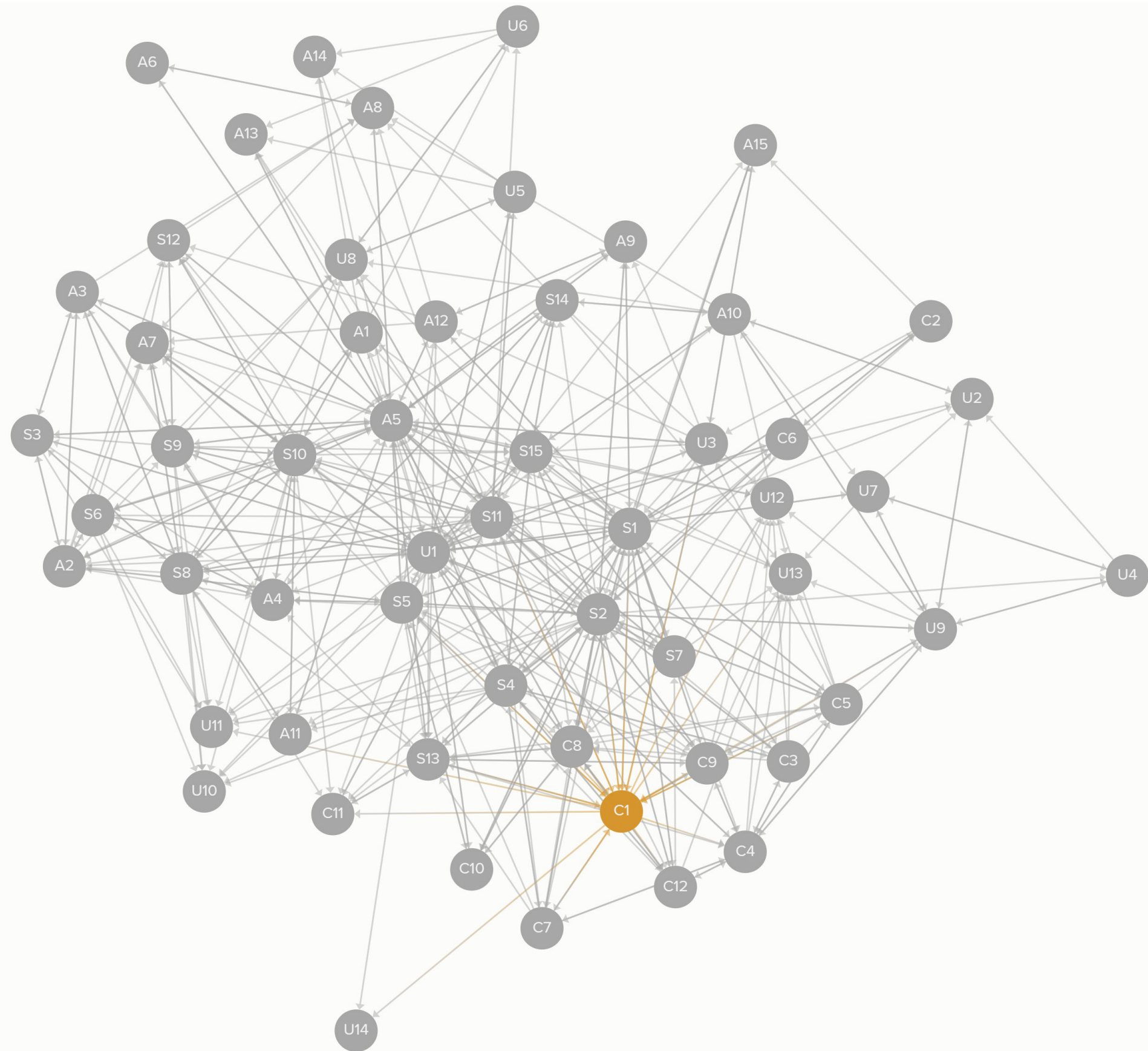
top-down bottom-up



L

relation with other patterns
S6: S8; S11; S12; S15; C11; U1; U8; U10; U11; A1; A2; A3; A4; A5; A7; A9; A11

sources
Tomaka, J., Thompson, S. C., & Palacios, R. (2006). The relation of social isolation, loneliness, and social support to disease outcomes among the elderly. Journal of Health Psychology, 11(3), 409-421.



C1. Connect the green

C1. Connect the green

hypothesis

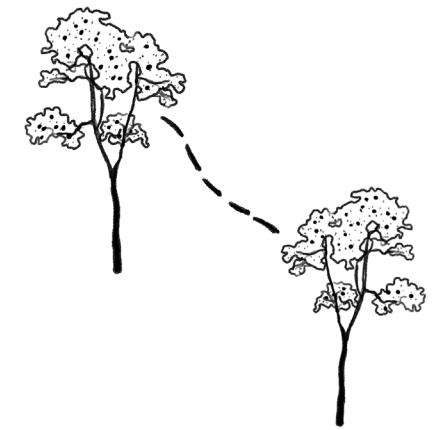
Connecting green spaces to increase biodiversity and foster community spaces.

theoretical or empirical back-up

Creating a continuous network of green spaces within the neighbourhood supports ecological connectivity, enhances urban heat mitigation, and provides inviting environments for community use and enjoyment.

practical implication

Connecting parks, green courtyards, green streets, rain gardens, and plant pots helps form a continuous ecological and social network.



scale

A



A

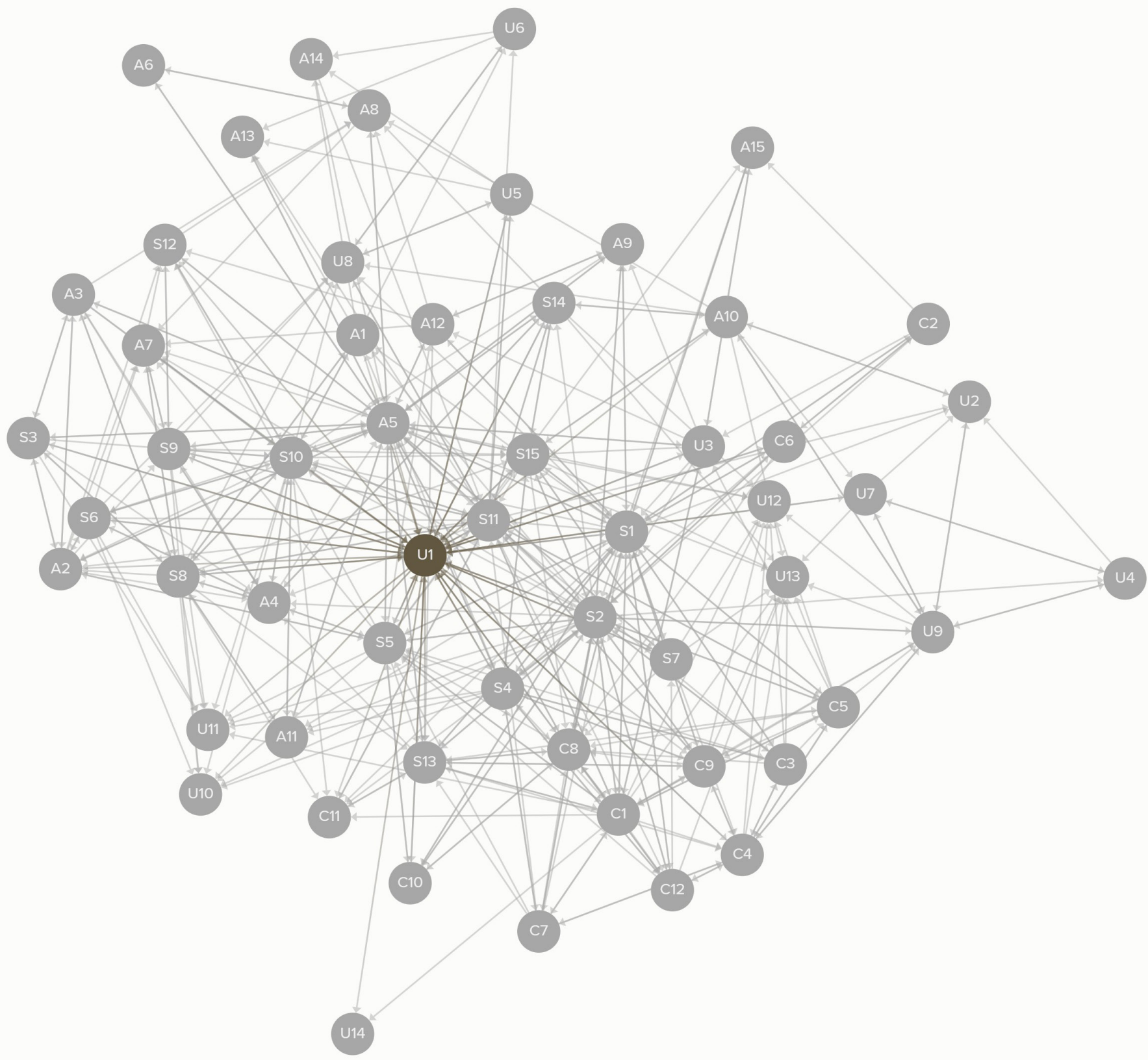
relation with other patterns

S1; S2; S5; S11; S13; C4; C5; C7; C8; C9; C11; C12; U3; U9; U11; U12; U13; U14

sources

power to implement

top-down
bottom-up



U1.

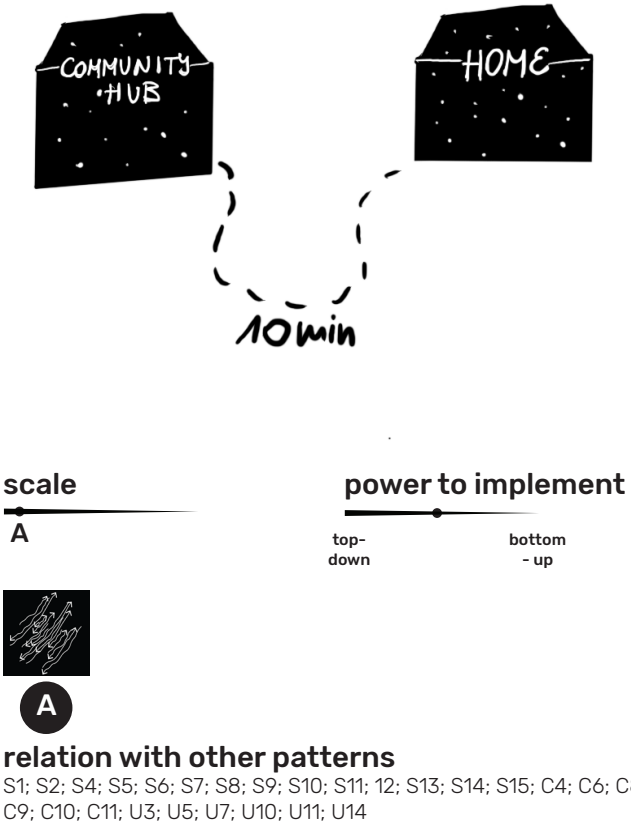
A short walk away

U1.
A short walk away

hypothesis
Everyday functions and communal spaces are at a walk-able distance.

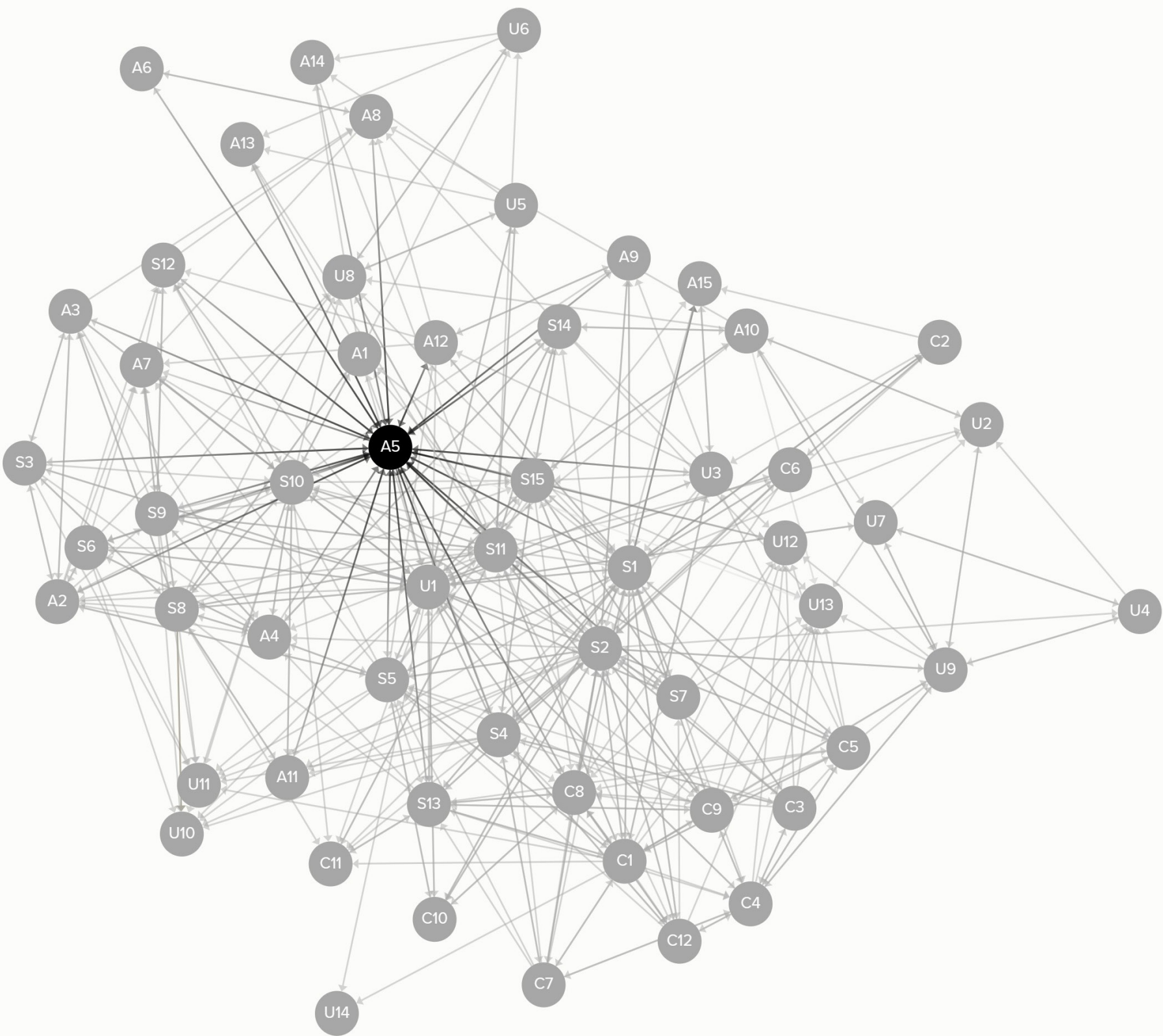
theoretical or empirical back-up
With aging, many older adults gradually lose the ability to move around as freely as they once did, resulting in a shrinking daily environment. Their immediate neighborhood becomes their primary living space. (Wieringa, 2012). This makes it especially important to design neighborhoods with spaces that support the formation of social bonds and to ensure that essential services and amenities are located nearby and are easily accessible.

practical implication
Establishing community hubs, elderly clubs, and inclusive public or shared spaces within each block allows older adults to connect with peers and interact with other generations. In parallel, ensuring that essential services and amenities, such as shops, pharmacies, and healthcare facilities are located within a 10-minute walking distance.



relation with other patterns
S1; S2; S4; S5; S6; S7; S8; S9; S10; S11; 12; S13; S14; S15; C4; C6; C8; C9; C10; C11; U3; U5; U7; U10; U11; U14

sources
Wieringa, J. (2012). Better a neighbor nearby than a brother far away? A qualitative study of the relation between loneliness and the social capital of elder elderly in their neighborhood (Master's thesis). Utrecht University.



A5. Multigenerational mingle

A5. Multigenerational mingle

hypothesis
Creating spaces where different generations can meet and interact.

theoretical or empirical back-up
After retiring many elderly loose their daily purpose as well as many of their social connections, and with physical and mental health declining many of them experience isolaton and mental issues, like depression. (Han et al., 2022) A lot of elderly experience a difficulty in connecting with younger generations, because of the lack of opportunities to connect with each other. By creating public and communal spaces, different genera-tions can meet and interact, which has a positive effect on all age groips. Encouraging informal interactions and foster intergenerational relations.

practical implication
Creating public, semi-public, and communal spaces in courtyards, empty plots and empty ground floors, that foster informal interactions across different age groups.



scale
A

power to implement
top-down bottom-up



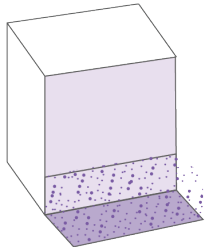
L I A

relation with other patterns
S1; S2; S3; S4; S5; S6; S7; S9; S10; S11; S12; S13; S14; S15; C8; U1; U3; U12; U13; A2; A3; A6; A7; A8; A9; A11; A12; A13

sources
Han, Y., He, Y., Lyu, J., Yu, C., & Bian, M. (2022). Effectiveness of social support for community-dwelling elderly with depression: A systematic review and me-ta-analysis. Healthcare, 10(10), 1964.

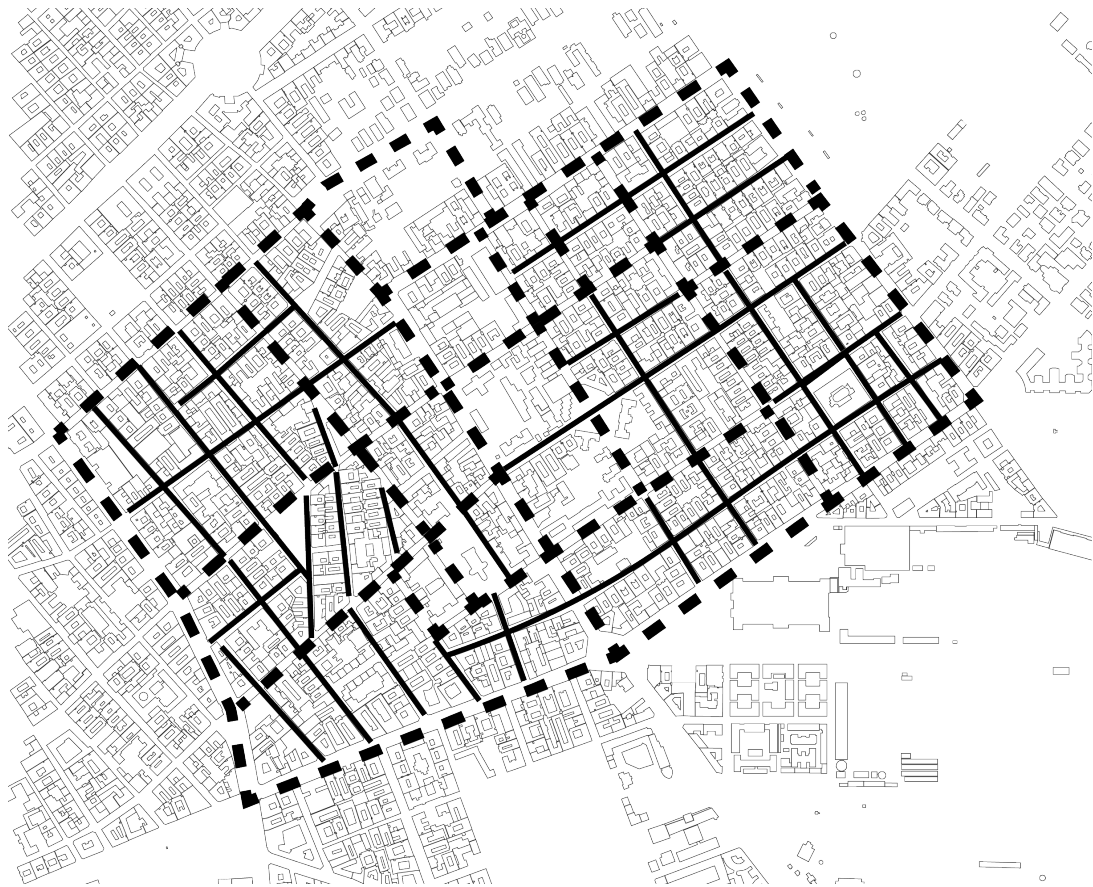
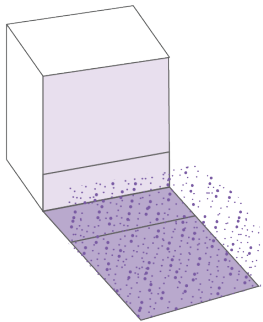
spatial catalogue

1. ground floors



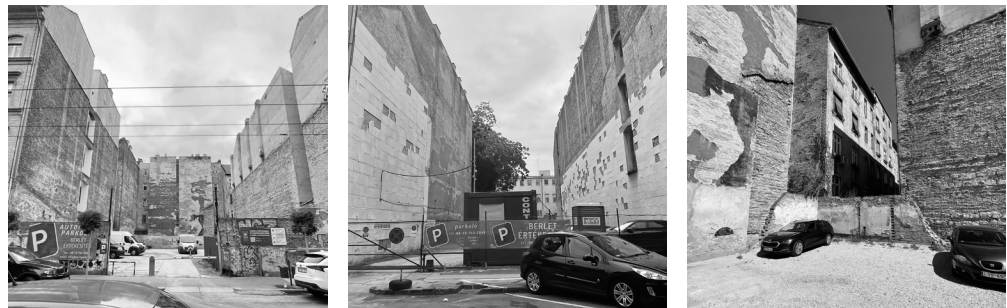
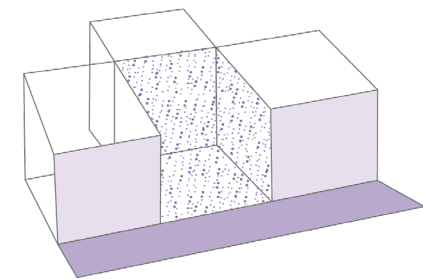
spatial catalouge

2. streets



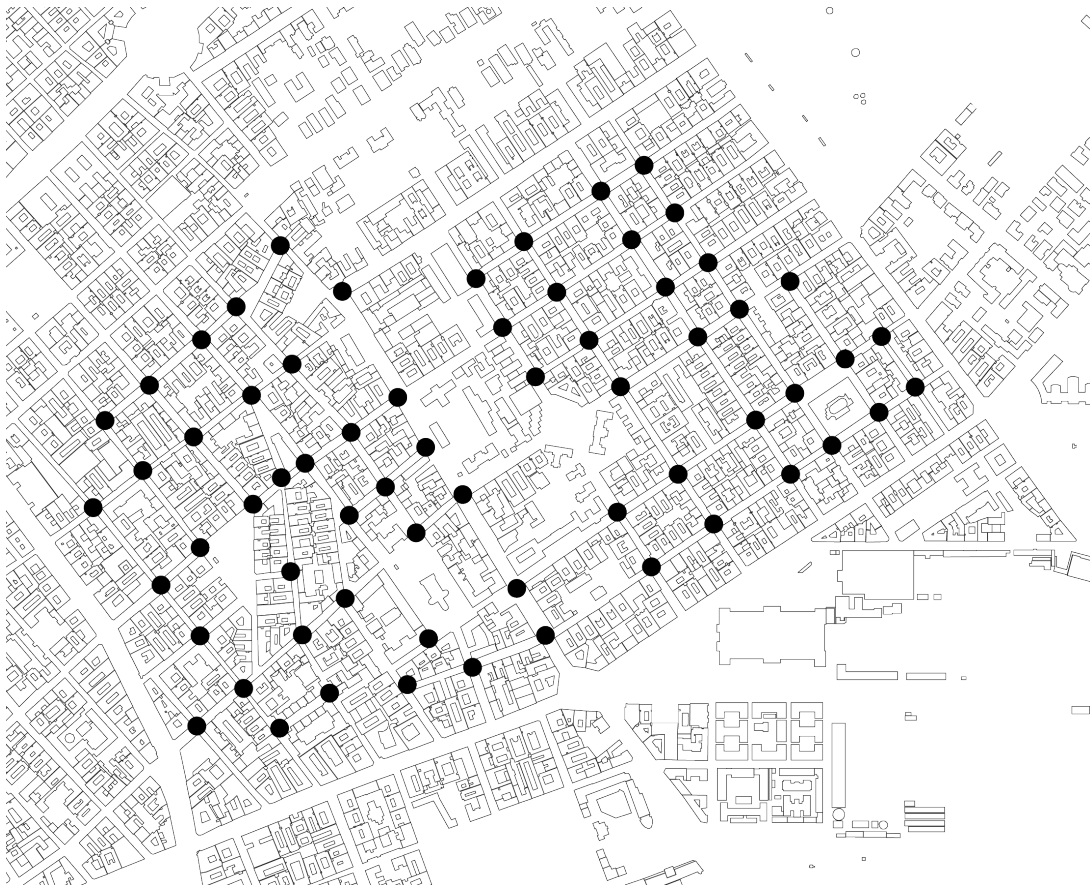
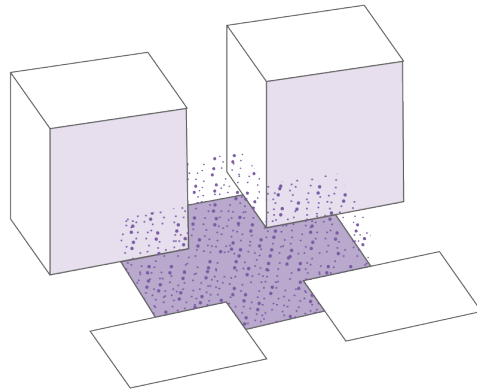
spatial catalouge

3.empty plots
and parking lots



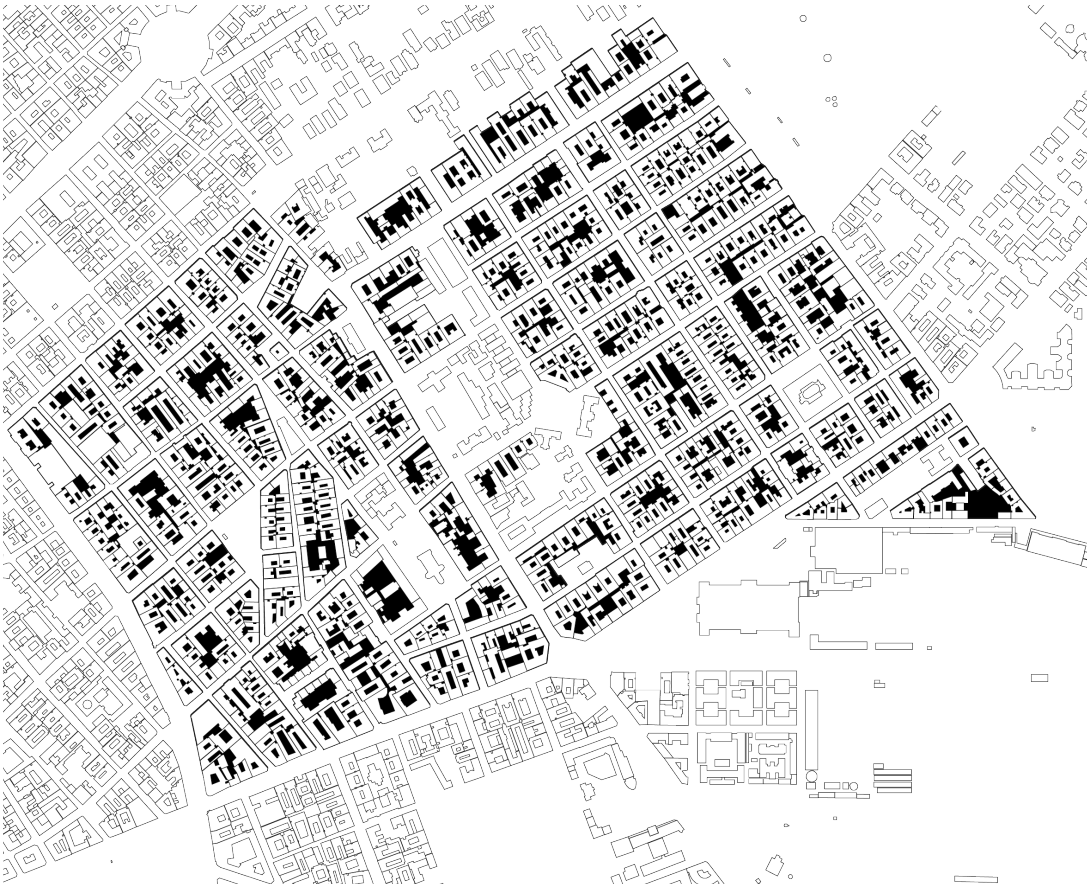
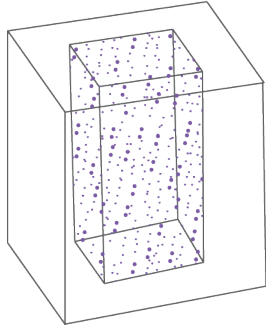
spatial catalouge

4.intersections



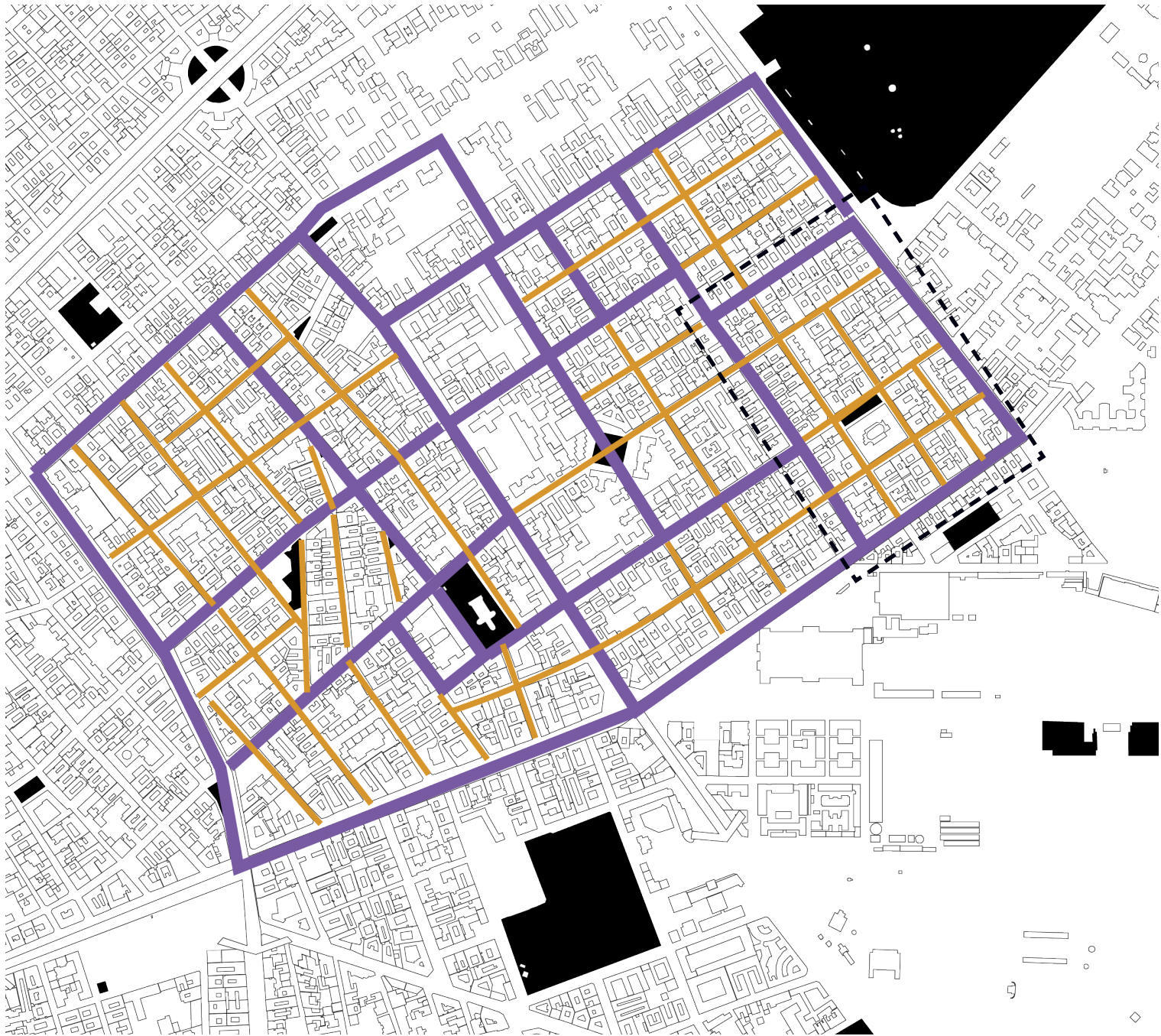
spatial catalouge

5. courtyards

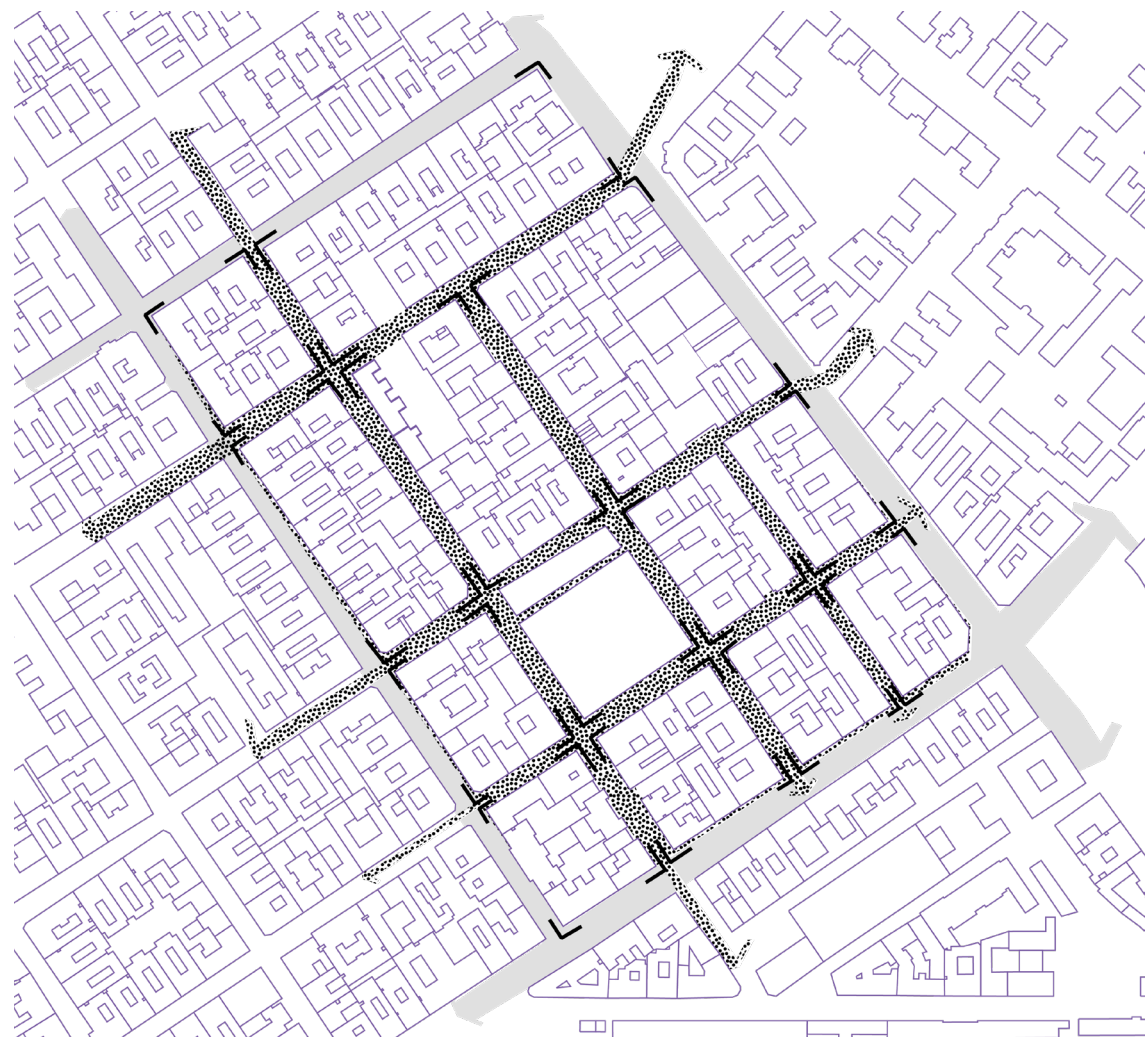


neighbourhood strategy

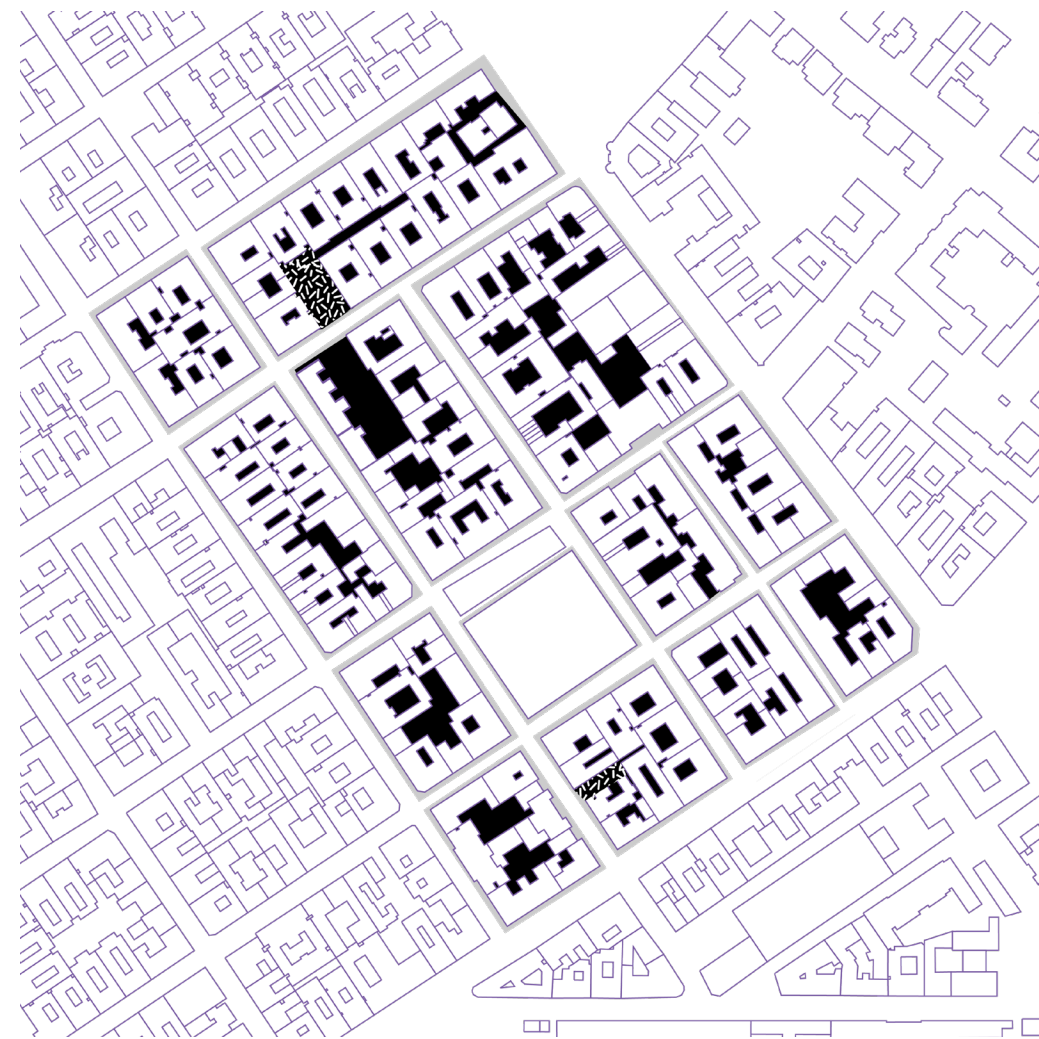
RECONNECTING ELDERLY



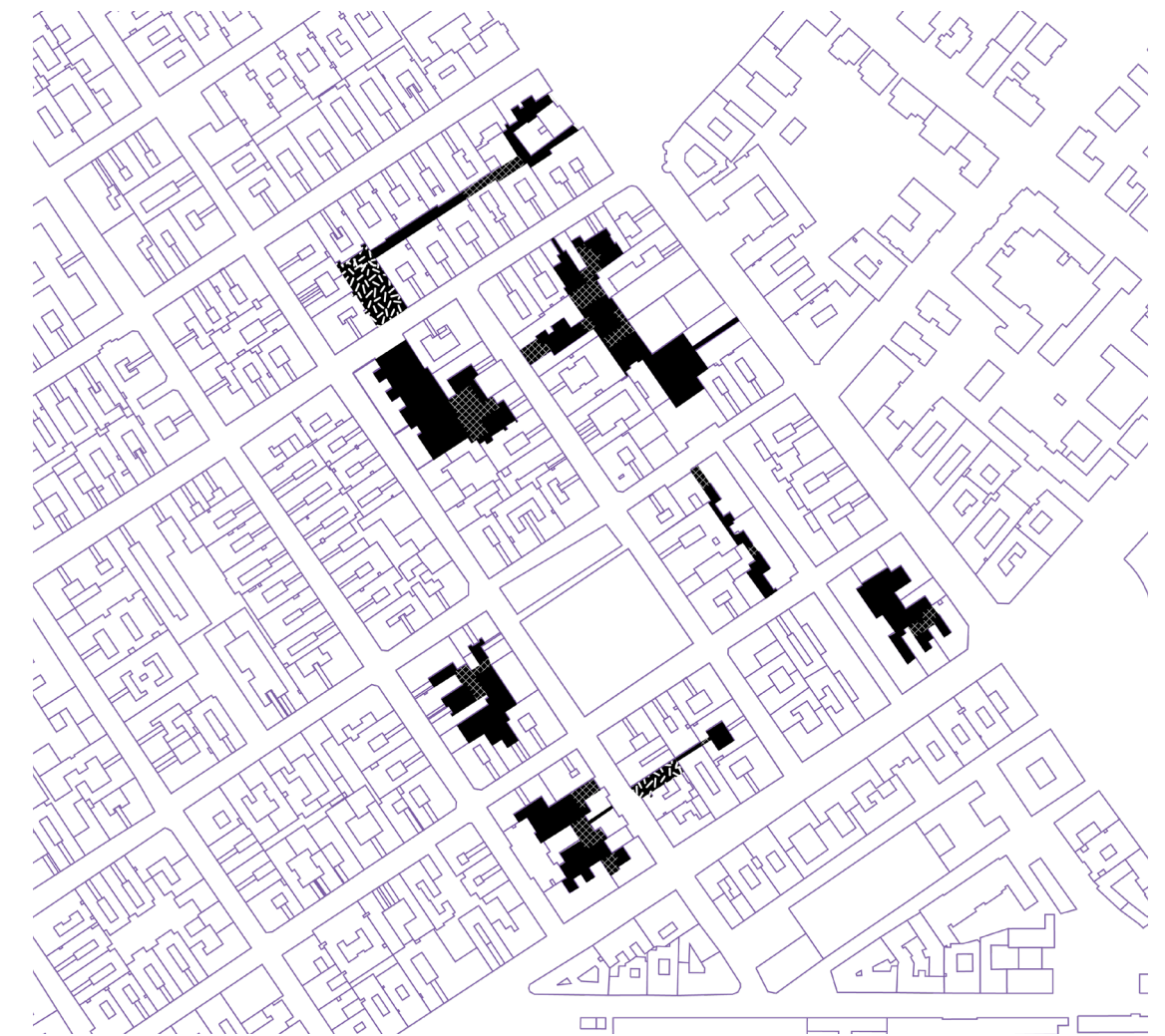
multi-block unit



1. **pedestrian streets** connecting green spaces
2. **traffic streets** outside of the block unit, offering public transport
3. activated **intersections** acting as small centers

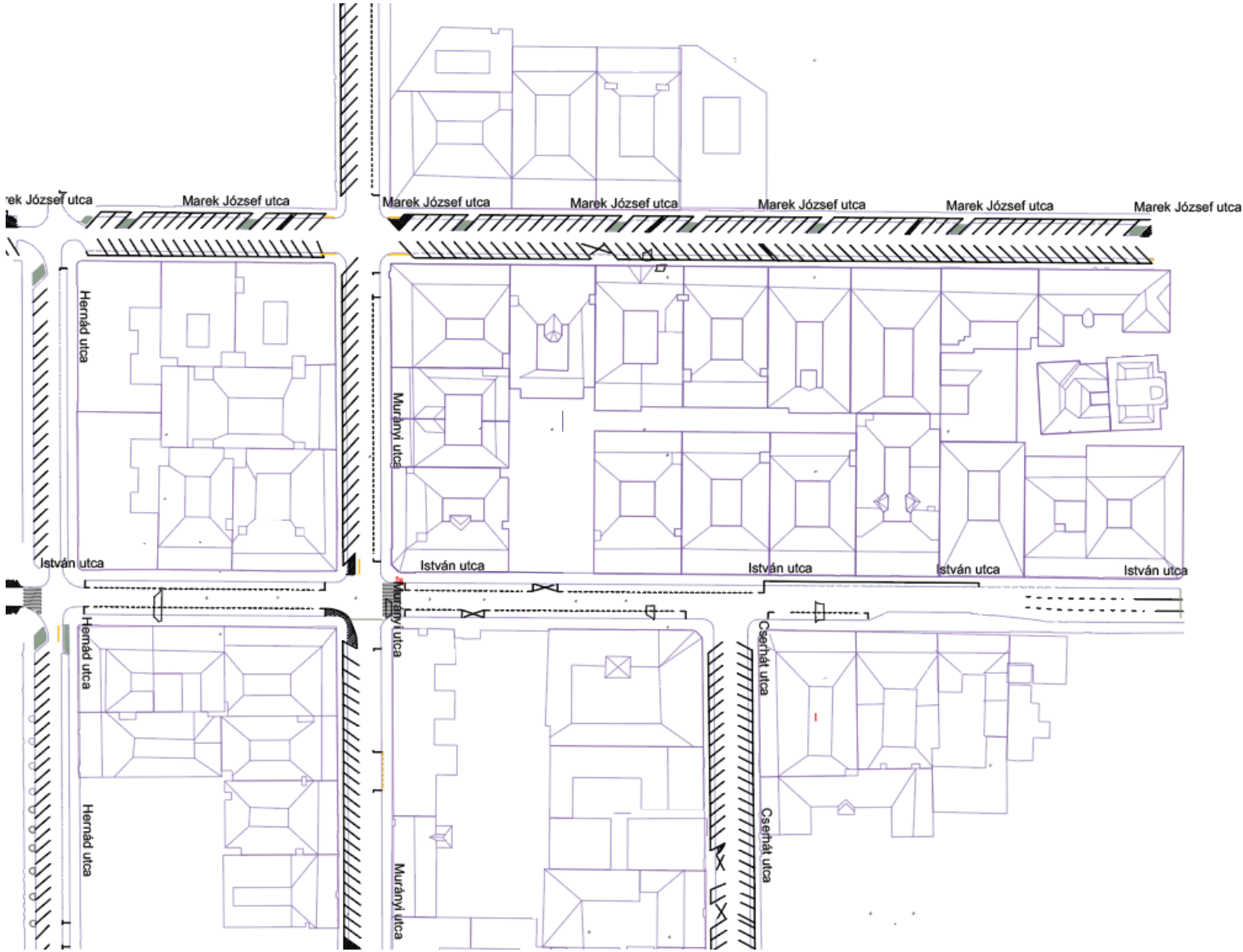


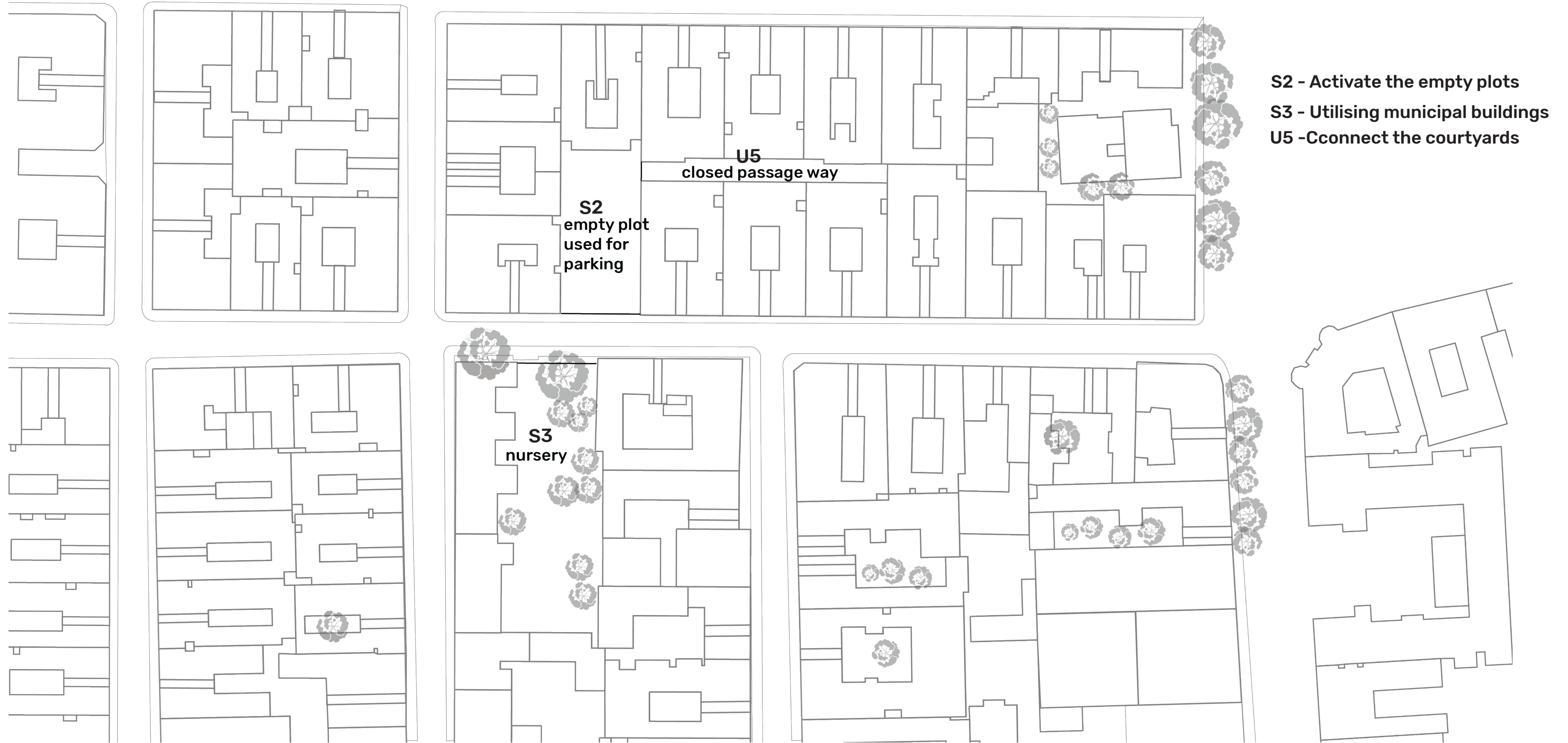
4. activated **empty plots** with diverse programming
5. activated **courtyards** with diverse programming
6. active **ground-floors** creating transitional spaces between private and public



7. opening up the **buildings** to reshape boundaries
8. and create **public and semi-public courtyards**, that are open during the day and closed for the night

design exploration



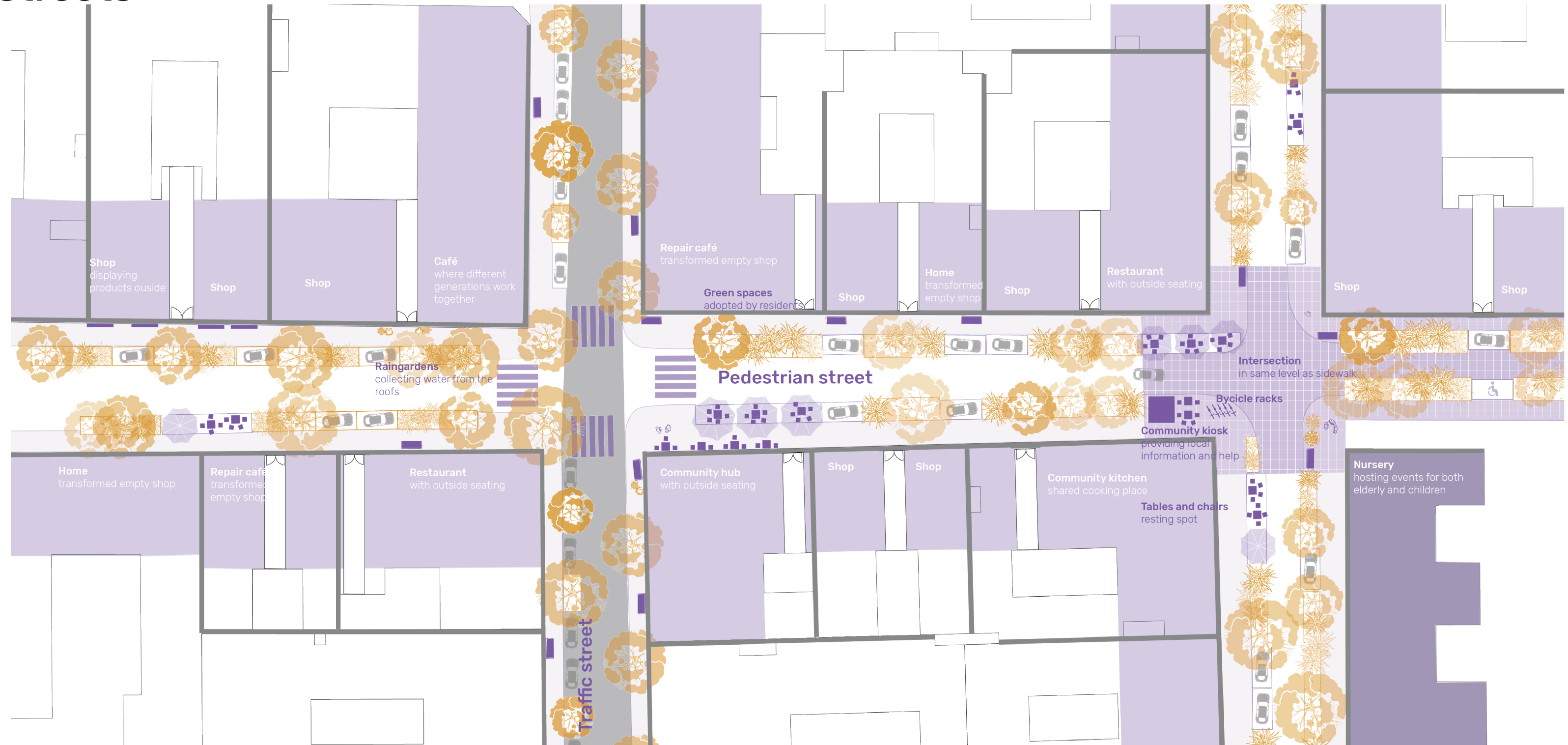




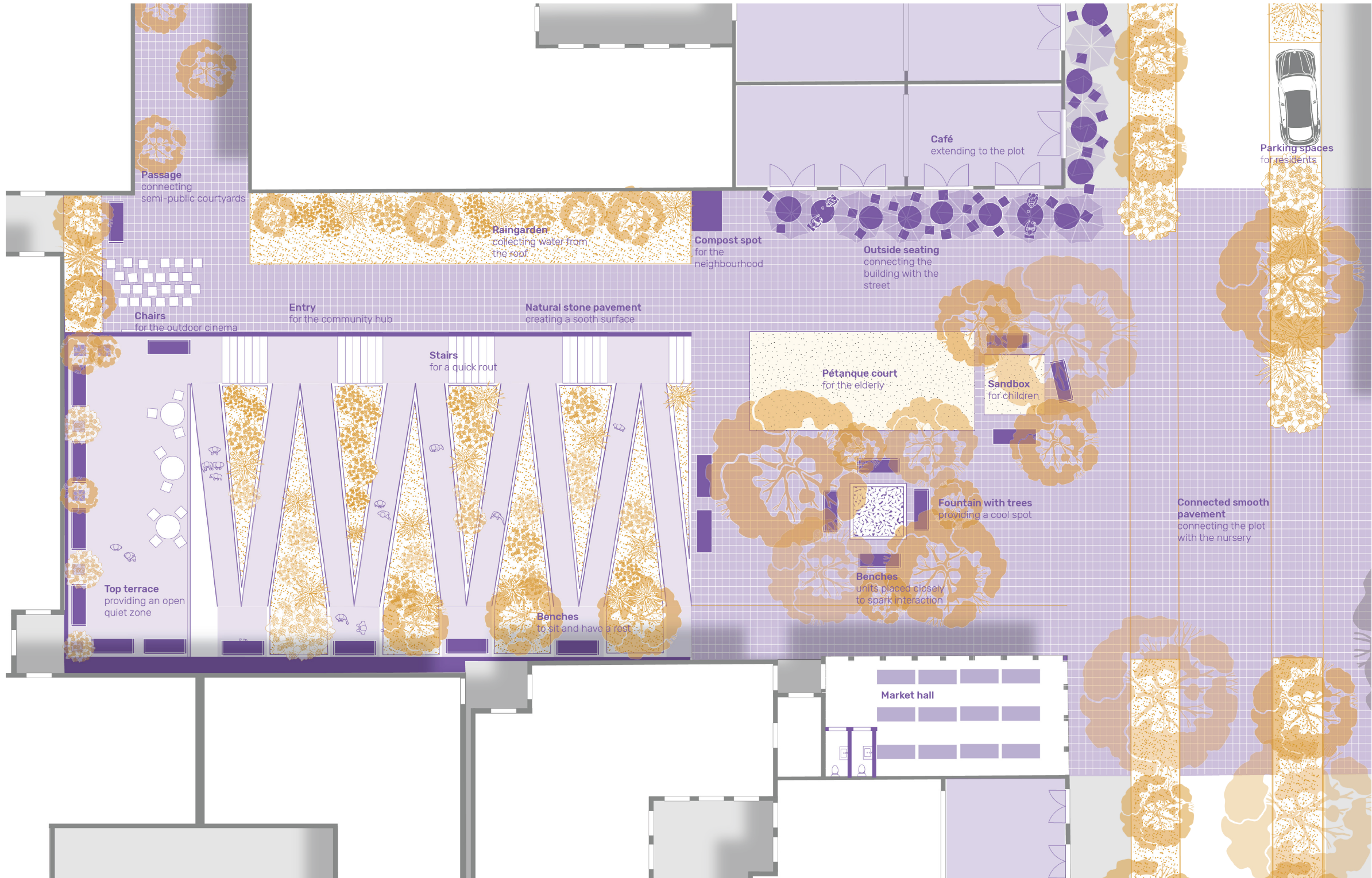




focus 01. streets



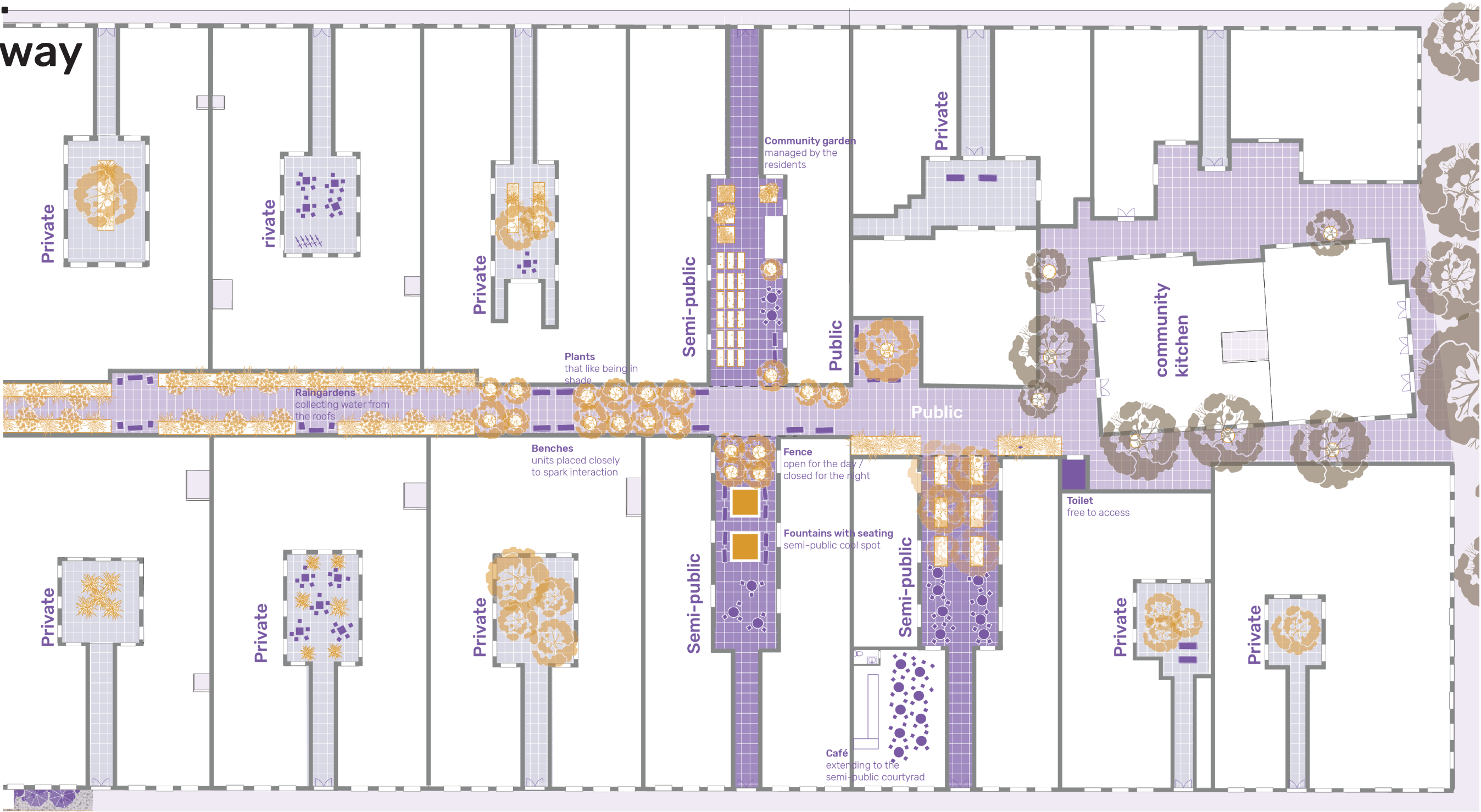
focus 02.
empty plot



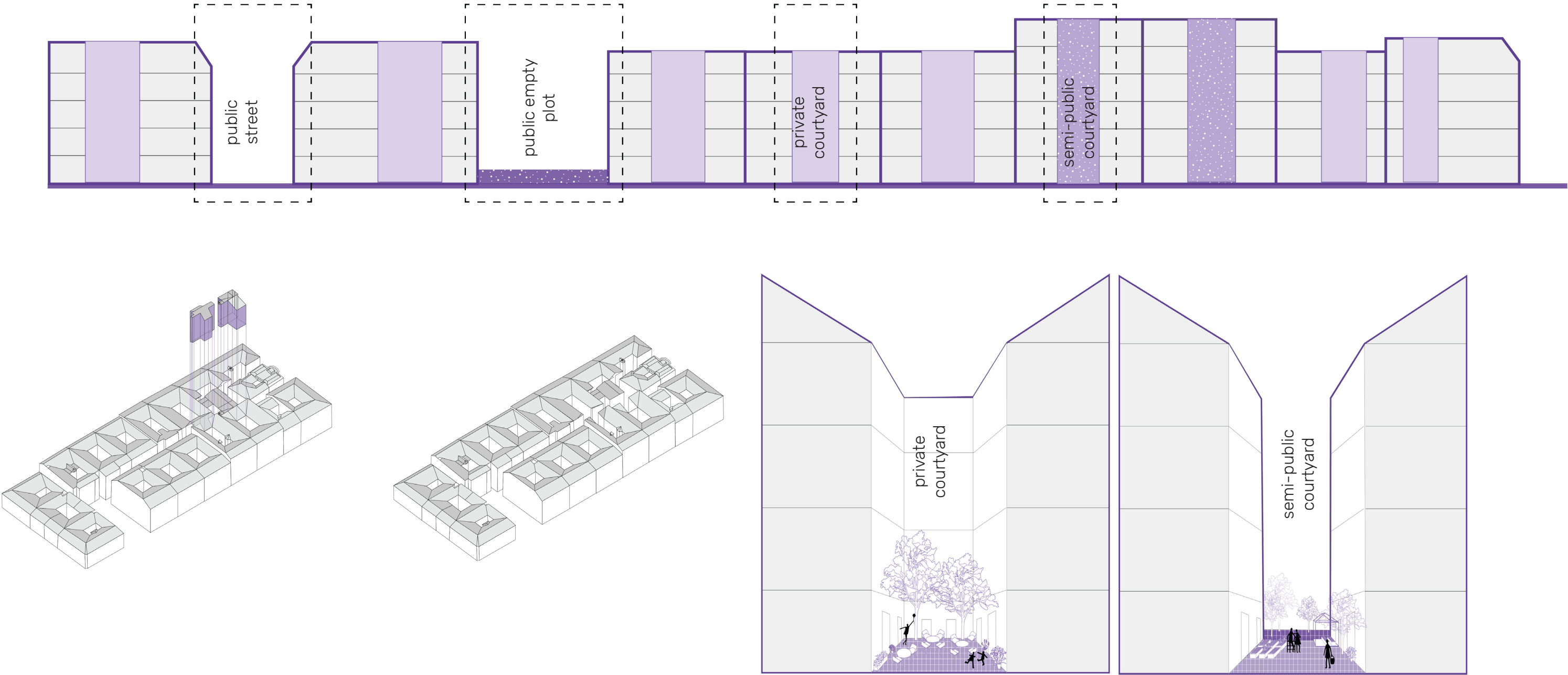
focus 02.
empty plot



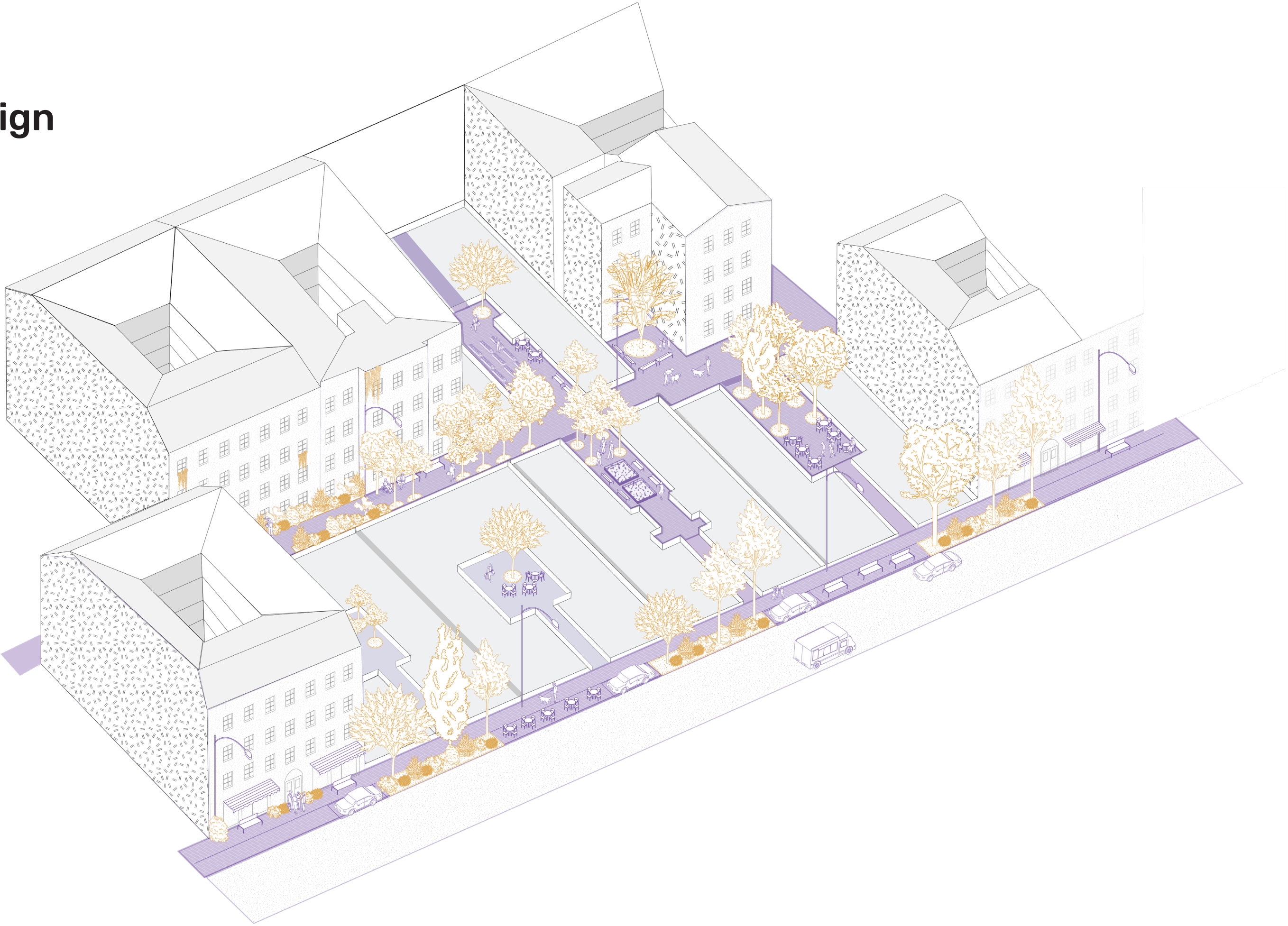
focus 03.
passage way



section



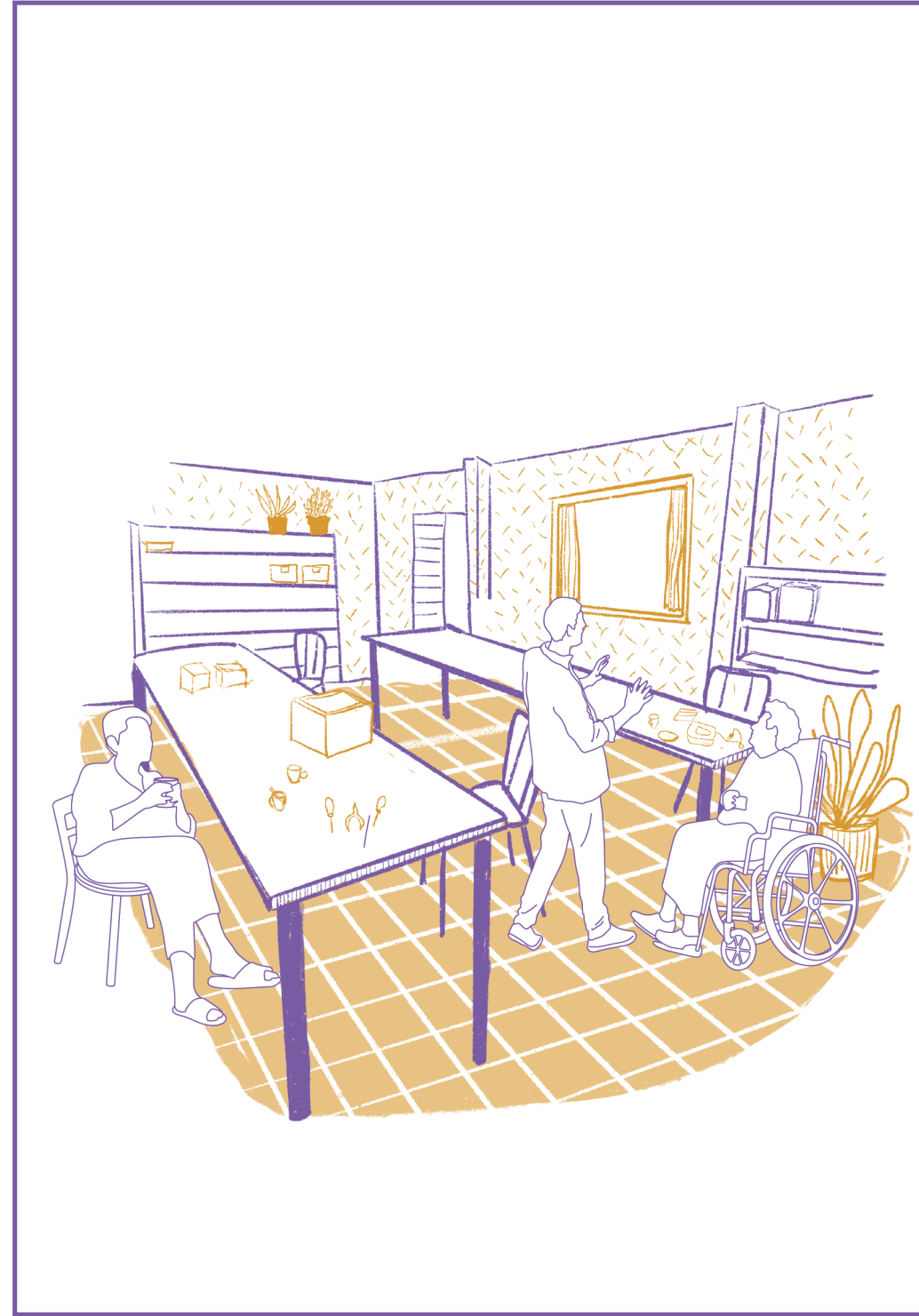
final design

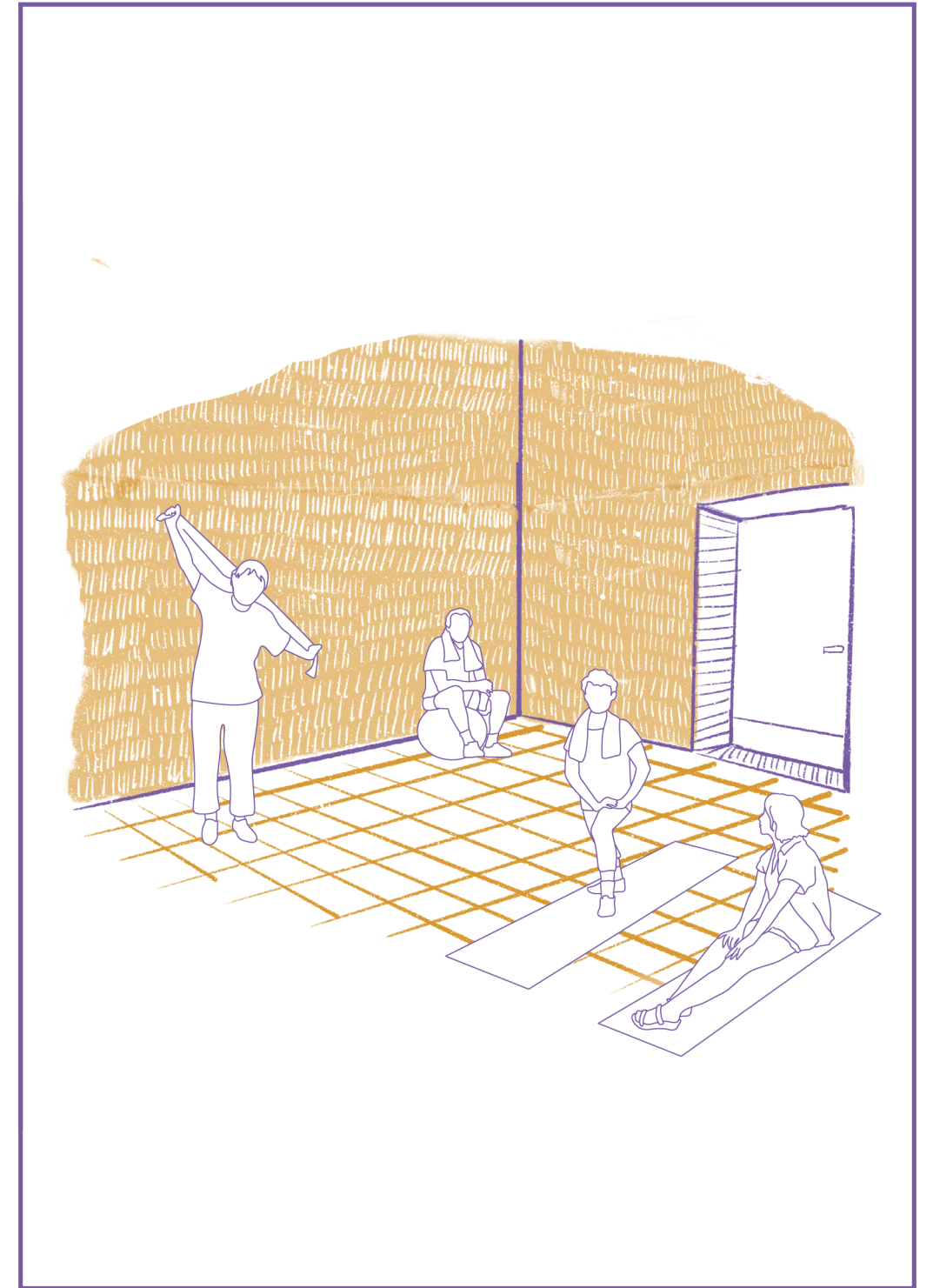
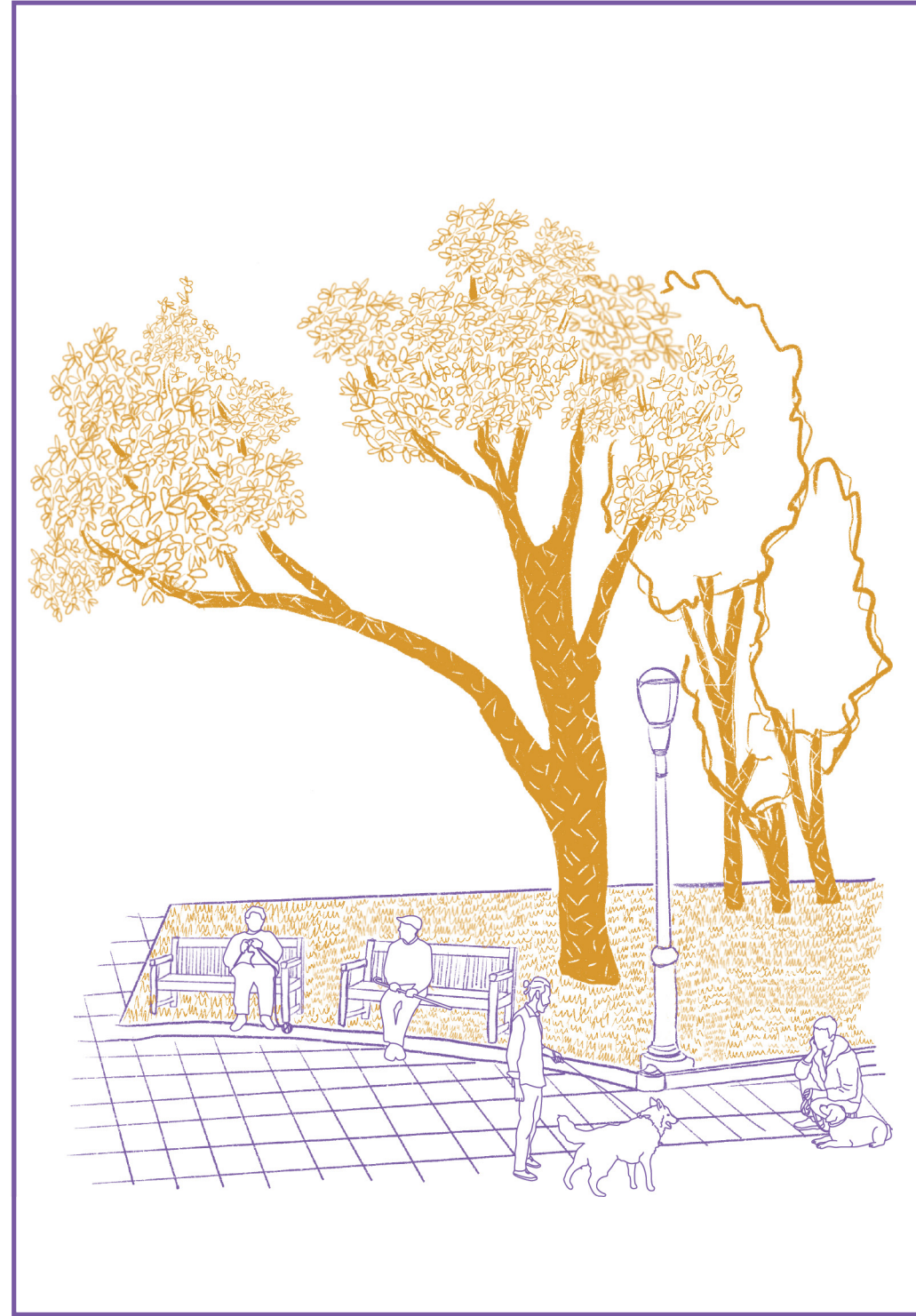


vision of the neighbourhood through Márta's

Hello, I'm Márta, 82 years old. I used to live with my husband, but he passed away 11 years ago. After that, I felt very lonely and had to make some changes in my life to cope with the solitude. My children and grandchildren have all moved abroad, so I spend most of my time on my own. Since an accident, my leg hasn't been the same, which makes it hard for me to go far from home, so I mostly stay within the neighborhood.

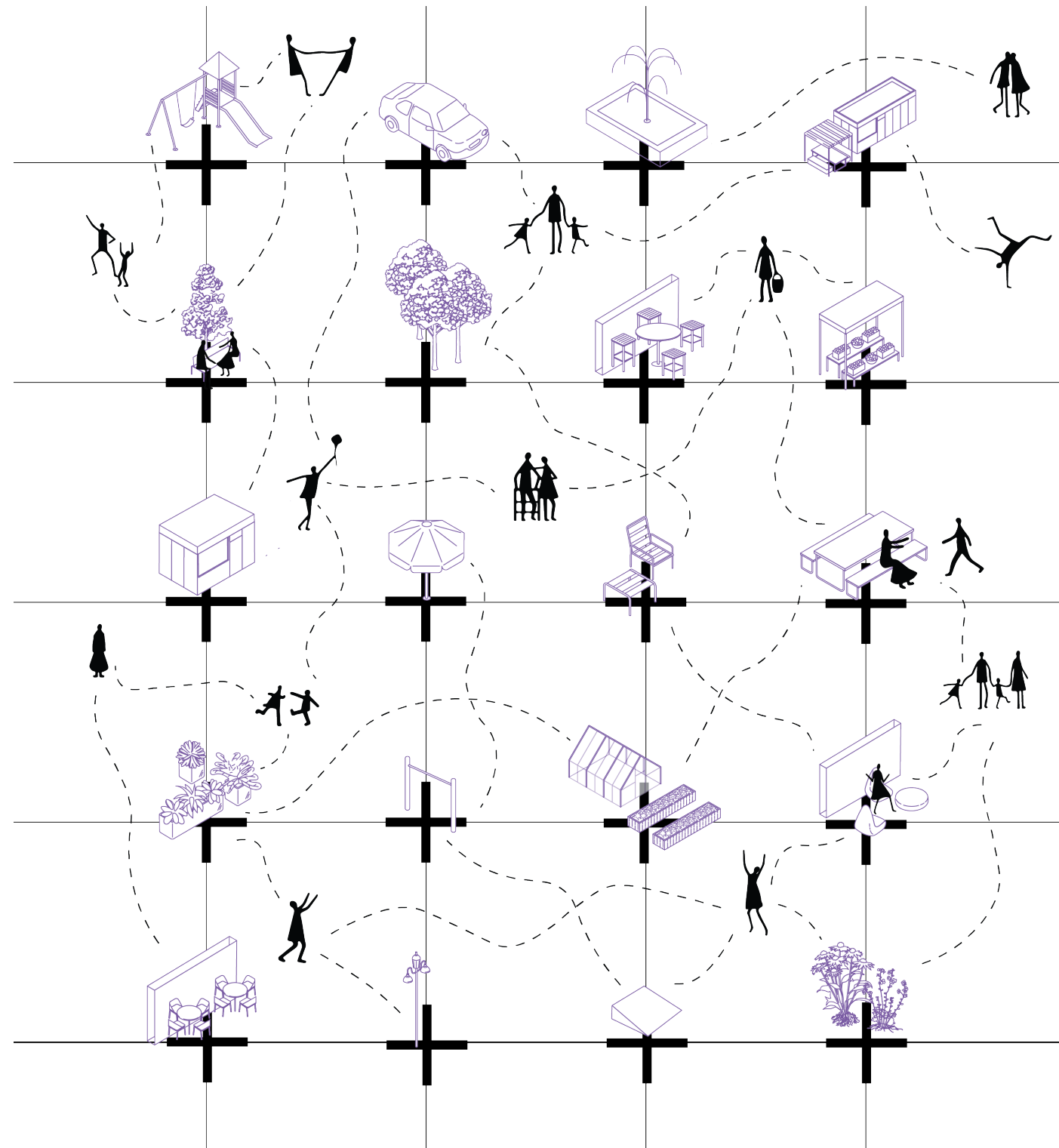






conclusions

- transitional zones and semi-public spaces
- supporting more than physical needs
- rejecting segregated models of care
- care as a process unfolding over time
- diversity of aging



thank you

historical center of Budapest

RECONNECTING ELDERLY



