



# Socio-Spatial Segregation

Reducing the gap between neighbourhoods in Vliissingen

Margot Schouls

4820584





## Vlissingen

- Boulevard
- Beach
- Historical city centre
- Tourists





▲ De politie onderzoekt nog of het slachtoffer daadwerkelijk gewond is geraakt door een steekpartij. © HVZeeland

## Twee aanhoudingen na zware mishandeling met ijzeren staaf in Vlissingen

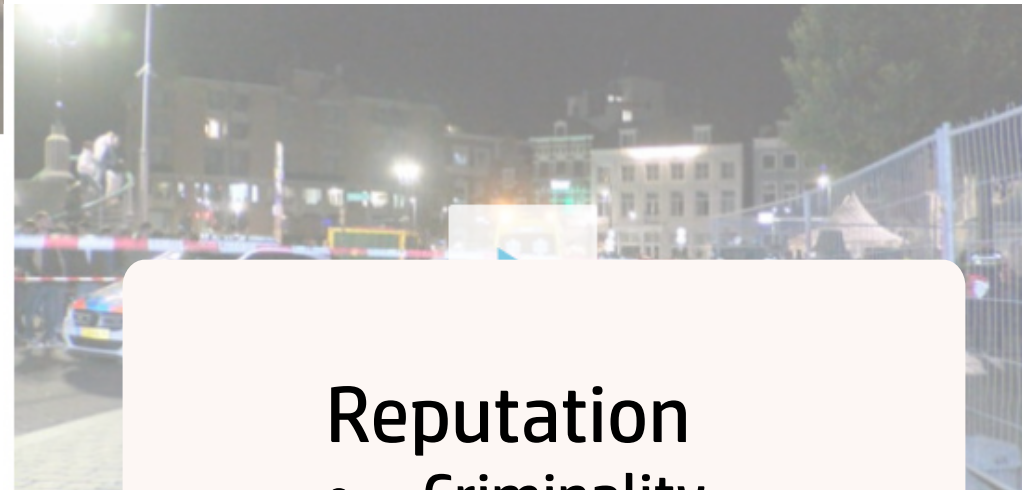


▲ Een fietser en de donkere auto links wachten op het opstelpunt in het midden van de President Rooseveltlaan tot ze kunnen oversteken naar de respectievelijk noordelijke en zuidelijke kant van de Bloemenlaan op een doorsnee maandagmiddag. © Dirk Jan Gjeltema

## Vlissingen telt de meeste verkeersonveilige buurten

## Dode bij steekpartij op studentenfestival Vlissingen

8 september 2022, 23:37 • 2 minuten leestijd



### Reputation

- Criminality
- Poor people
- Industry

Ge  
Vlis

29 juni 2022, 19:18 • 1 minuut leestijd



▲ © Thinkstock

## Misdaadmeter: Vlissingen toch weer onveiliger



## Man (23) met geweld omgebracht in Vlissingen; omwonenden zeggen schoten te hebben gehoord





## Vlissingen

- Boulevard
- Beach
- Historical city centre
- Tourists

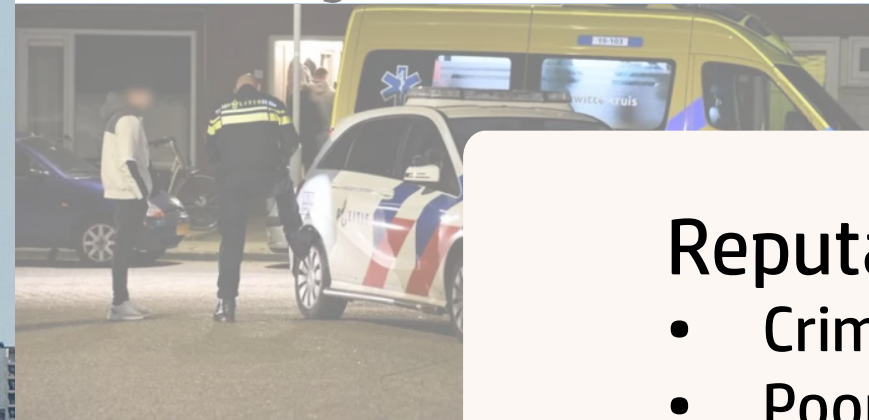
## Dode bij steekpartij op studentenfestival Vlissingen

8 september 2022, 23:37 • 2 minuten leestijd

Een 20-jarige man uit Vlissingen is gisteravond overleden bij een steekincident op het Bellamypark in Vlissingen. Op het moment van de steekpartij was het Kickoff Festival bezig, de aftrap van het studiejaar voor onder andere de University College Roosevelt, de HZ en Scaldia. Een verdachte, een 16-jarige jongen uit Middelburg, is later die avond in zijn woonplaats aangehouden.

▲ © Thinkstock

## Misdaadmeter: Vlissingen toch weer onveilig



▲ De politie onderzoekt nog of het slachtoffer daad...  
HVZeeland

## Twee aanhoudinge mishandeling met Vlissingen

## Reputation

- Criminality
- Poor people
- Industry



## steekpartij in

29 juni 2022, 19:18 • 1 minuut leestijd

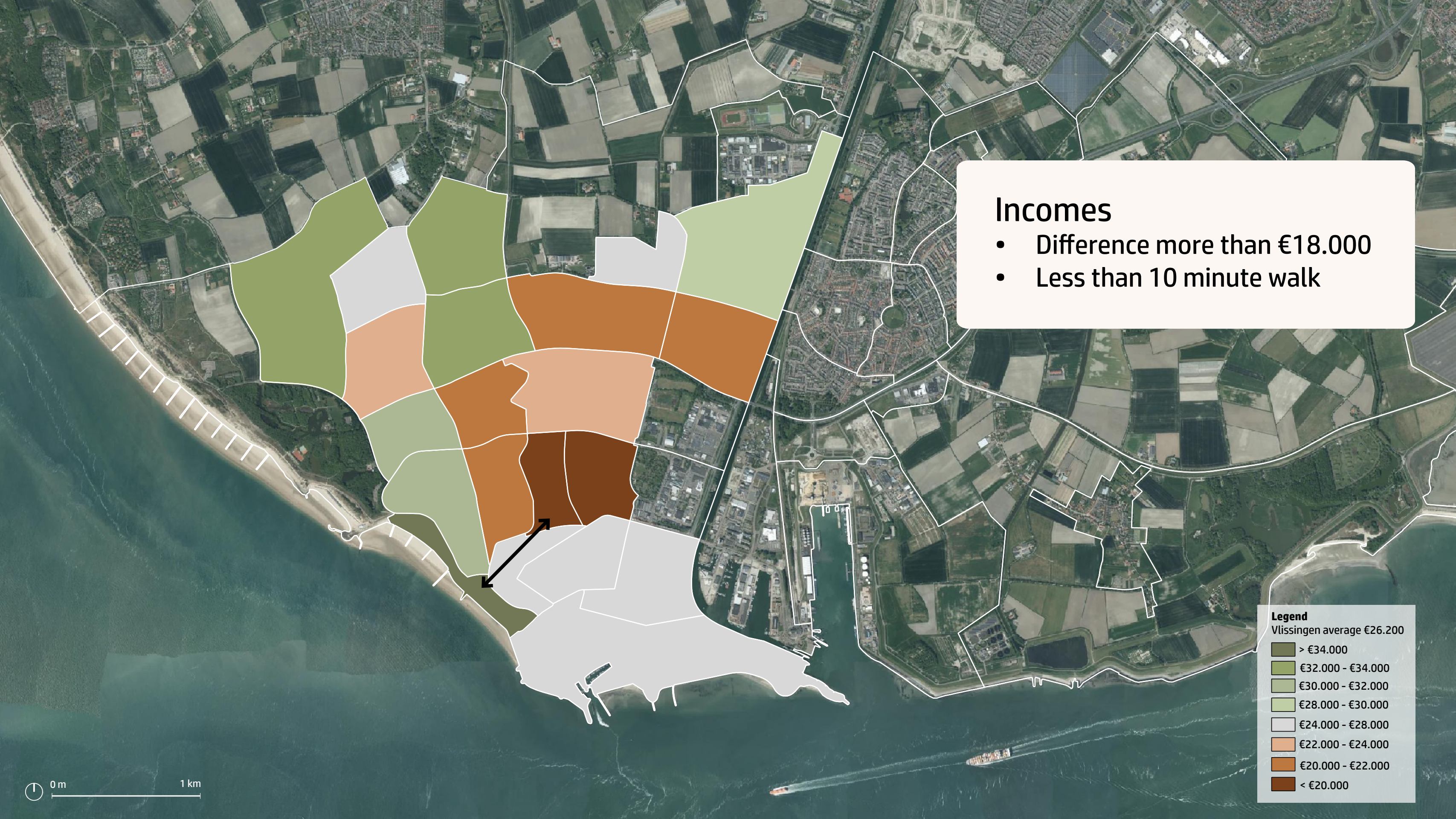
Bij een steekpartij aan de Vincent van Goghlaan in Vlissingen is een 31-jarige man uit Vlissingen gewond geraakt. De politie onderzoekt wat er gebeurd is.



▲ Een fietser en de donkere auto links wachten op het opstelpunt in het midden van de President Rooseveltlaan tot ze kunnen oversteken naar de respectievelijk noordelijke en zuidelijke kant van de Bloemenlaan op een doorsnee maandagmiddag. © Dirk Jan Gjeltema

## Vlissingen telt de meeste verkeersonveilige buurten





## Incomes

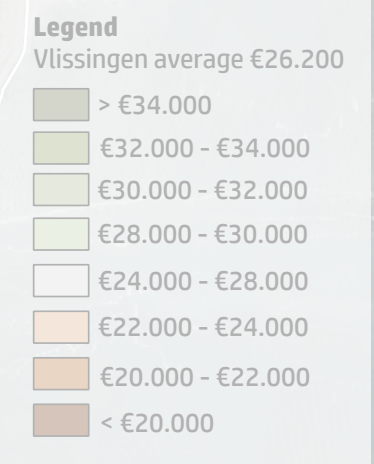
- Difference more than €18.000
- Less than 10 minute walk



0 m 1 km



**Poor inhabitants and rich inhabitants** concentrate themselves  
in **different neighbourhoods** in Vlissingen



0 m 1 km



**Poor inhabitants and rich inhabitants** concentrate themselves  
in **different neighbourhoods** in Vlissingen

**Socio-spatial segregation** describes the concentration and  
residential separation of different social groups.





# Conceptual Framework

## THEORY

### Socio-spatial segregation

#### Social

- Demographics
- income
  - ethnicity
  - age
  - education

#### Spatial

- Built Environment
- housing value
  - maintenance
  - building year
  - tenure

## MAIN FOCUS

Poor social groups

Living environment

## LOCATION

### Vlissingen

City and neighbourhood scale

Regional, district and block scale

## PROJECT AIM

### Urban design

- Reduce socio-spatial segregation
- Improve living environment
- Improve poor social group opportunities



# Conceptual Framework

## THEORY

### Socio-spatial segregation

#### Social

- Demographics
- income
  - ethnicity
  - age
  - education

#### Spatial

- Built Environment
- housing value
  - maintenance
  - building year
  - tenure

## MAIN FOCUS

Poor social groups

Living environment

## LOCATION

### Vlissingen

City and neighbourhood scale

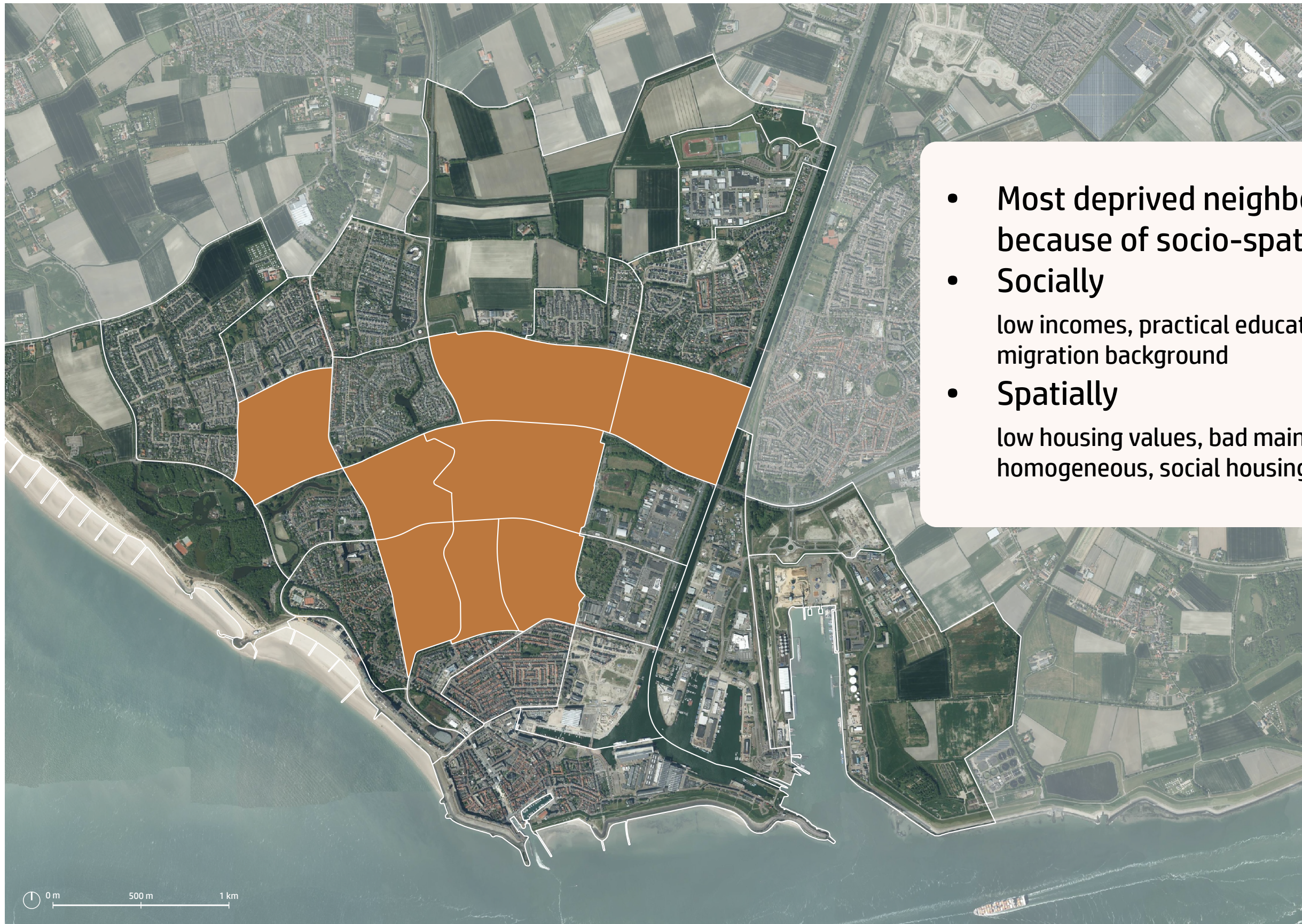
Regional, district and block scale

## PROJECT AIM

### Urban design

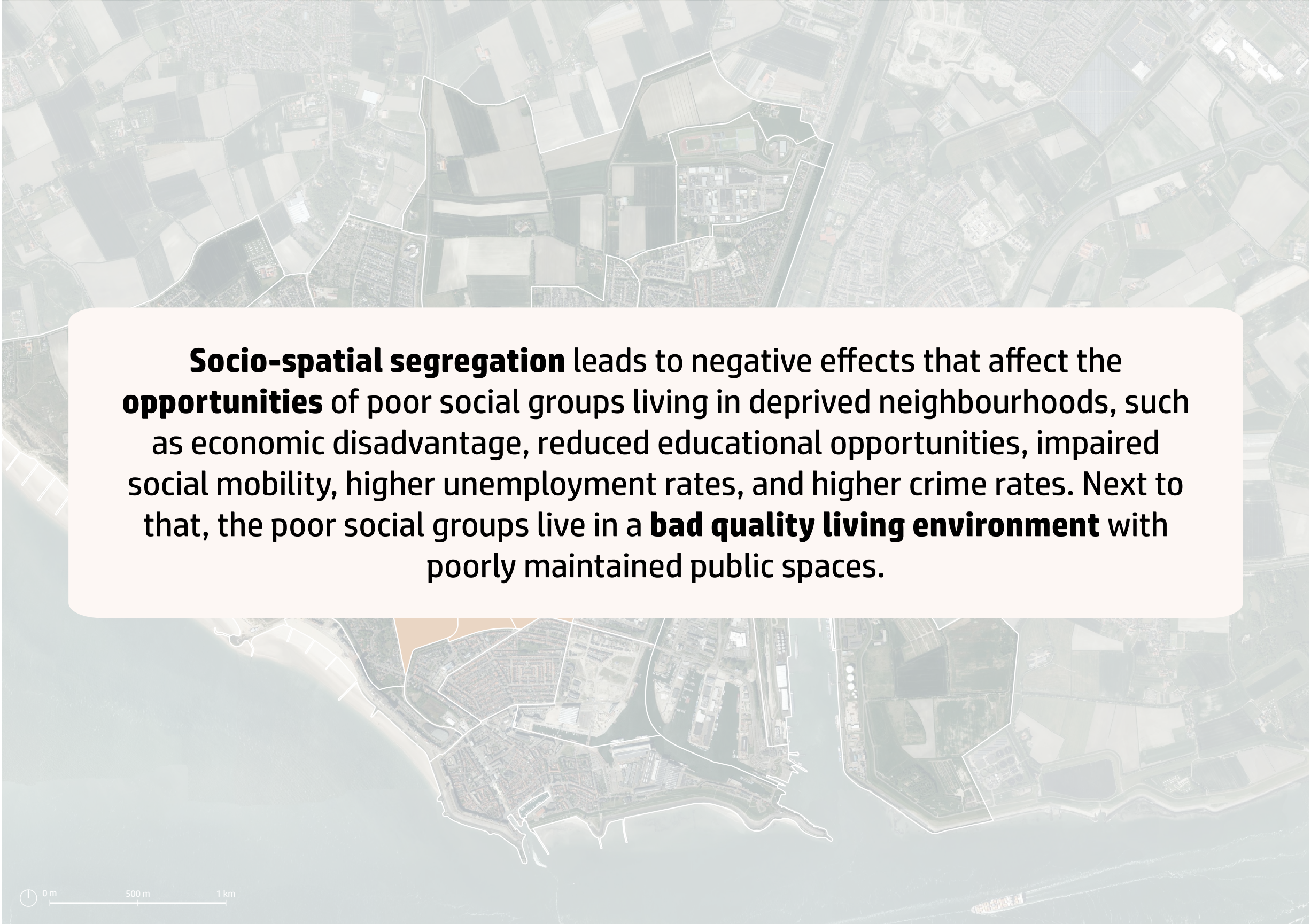
- Reduce socio-spatial segregation
- Improve living environment
- Improve poor social group opportunities





- **Most deprived neighbourhoods because of socio-spatial segregation**
- **Socially**  
low incomes, practical educated, families, migration background
- **Spatially**  
low housing values, bad maintenance, homogeneous, social housing



An aerial photograph of a coastal urban area, likely in the Netherlands, showing a mix of residential, commercial, and industrial zones. A semi-transparent white text box is centered over the map. The map shows a coastline with a harbor, various buildings, and green spaces. A scale bar is visible in the bottom left corner.

**Socio-spatial segregation** leads to negative effects that affect the **opportunities** of poor social groups living in deprived neighbourhoods, such as economic disadvantage, reduced educational opportunities, impaired social mobility, higher unemployment rates, and higher crime rates. Next to that, the poor social groups live in a **bad quality living environment** with poorly maintained public spaces.

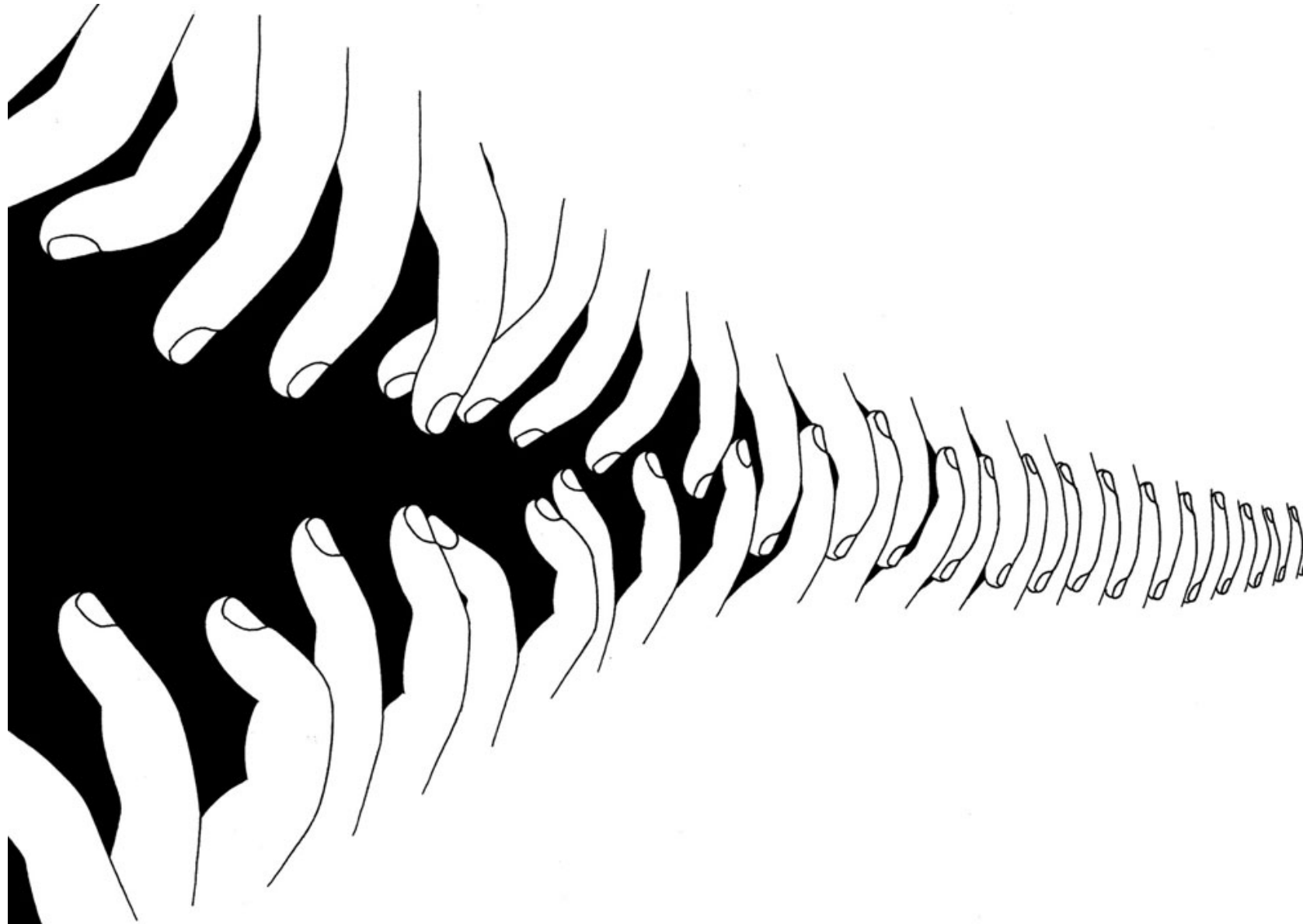


## Research Question

How can **socio-spatial segregation** between neighbourhoods in **Vlissingen** be reduced and the living environment of deprived neighbourhoods be improved by **urban design** to improve the opportunities of poor social groups?



# Segregation ↔ Integration



Zipper Fingers by Mrzyk & Moriceau



# Integration

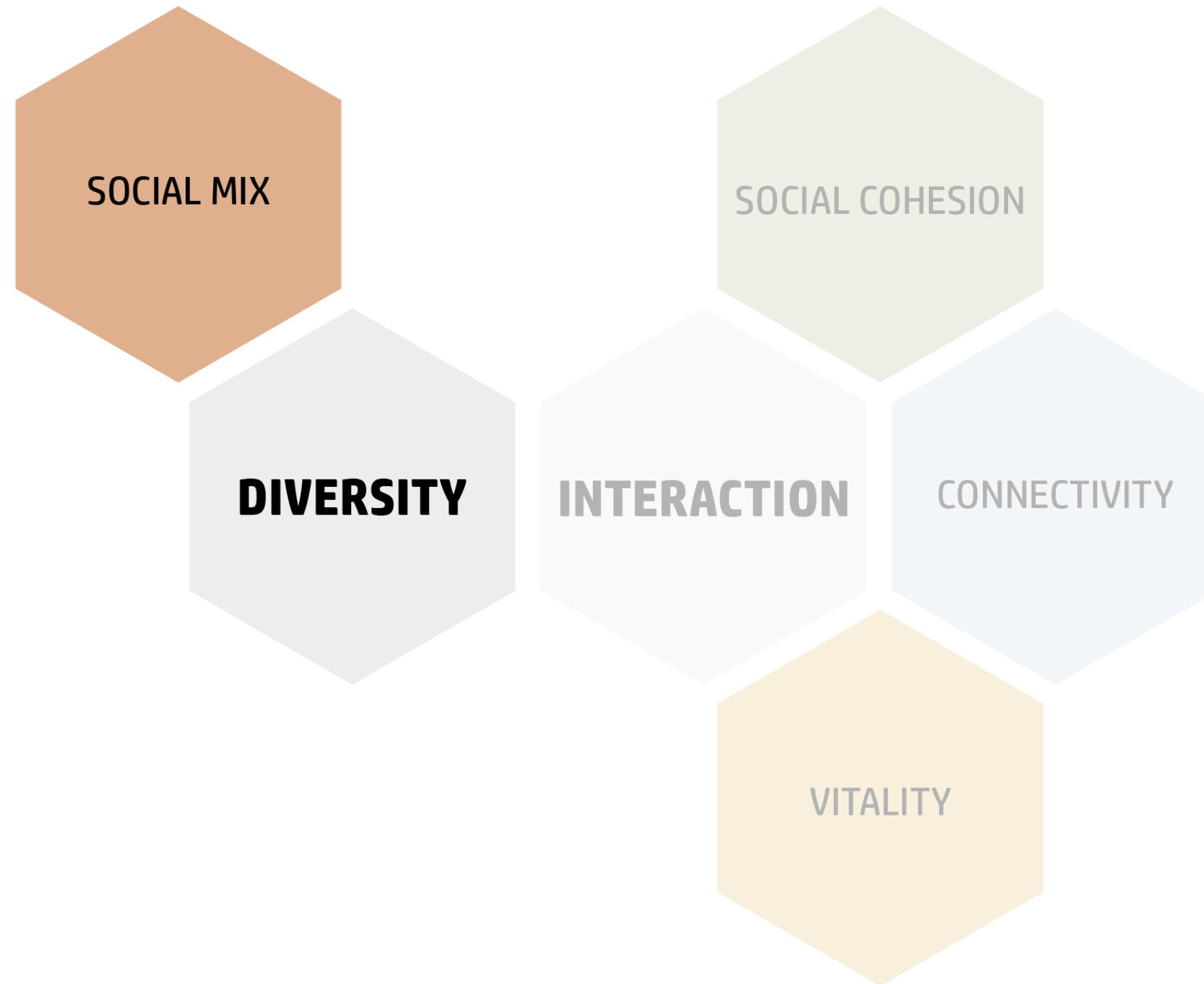
```
graph TD; A[Integration] --> B[Diversity]; A --> C[Interaction];
```

Diversity

Interaction

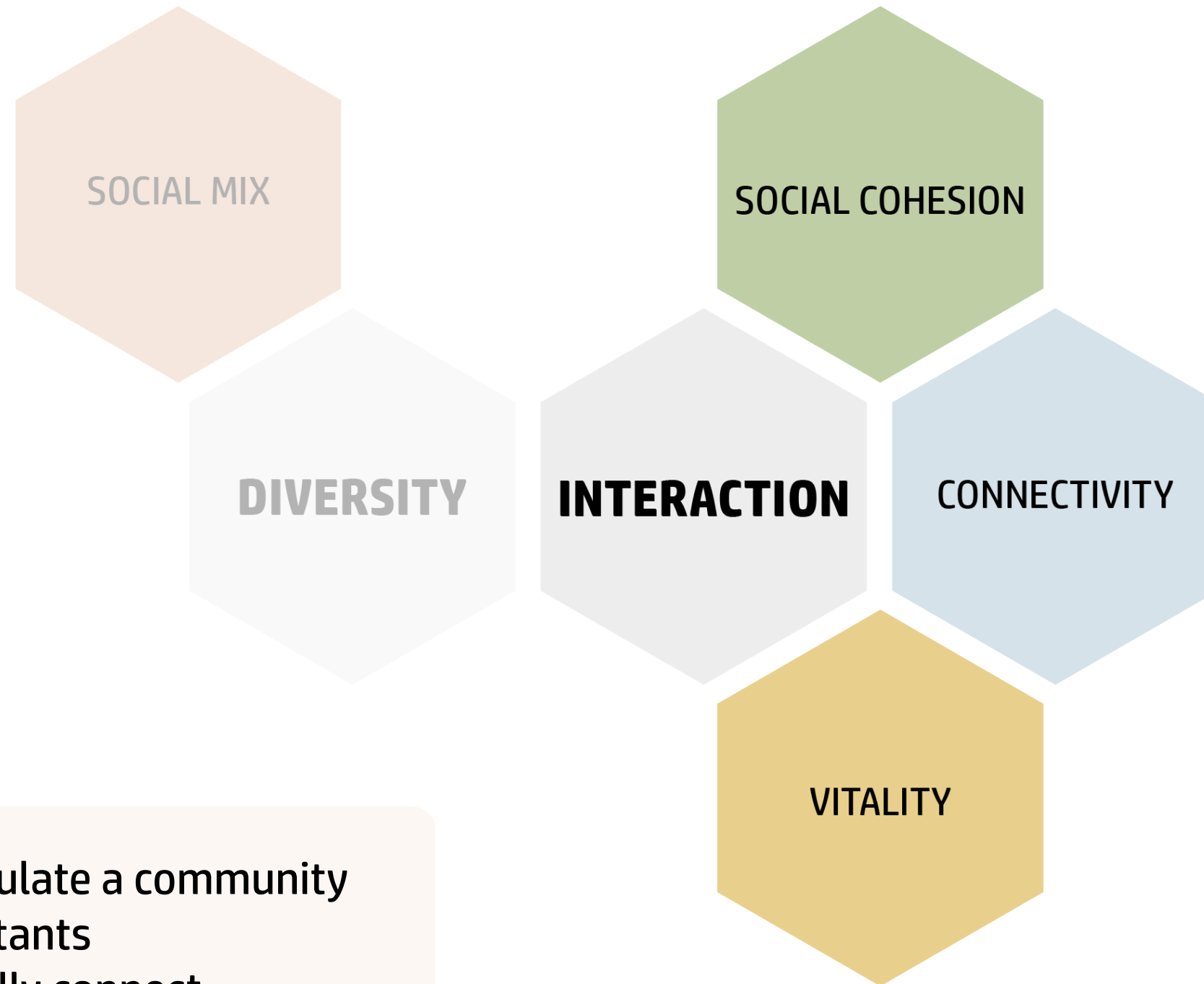
- Diversity of people to reduce spatial segregation, because social groups will live in the same neighbourhood
- Interaction to reduce social segregation, because the different social groups are stimulated to interact with each other





- Social mix to introduce new social groups into the neighbourhood





- Social cohesion to stimulate a community feeling between inhabitants
- Connectivity to physically connect neighbourhoods
- Vitality to stimulate urban life in public spaces





side by side tenures are  
indistinguishable



clear hierarchy between  
private and public



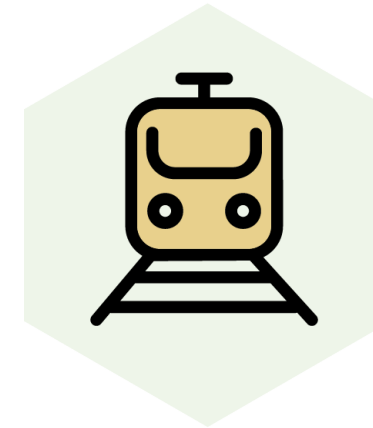
urban parks on  
different scales



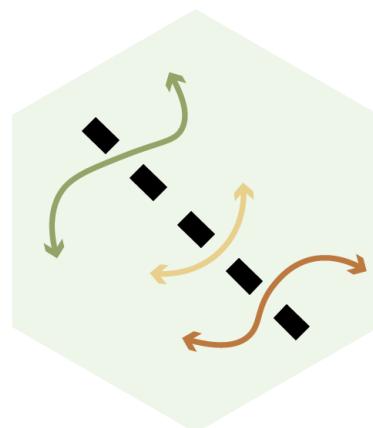
mixed use  
neighbourhood



stimulate walkability



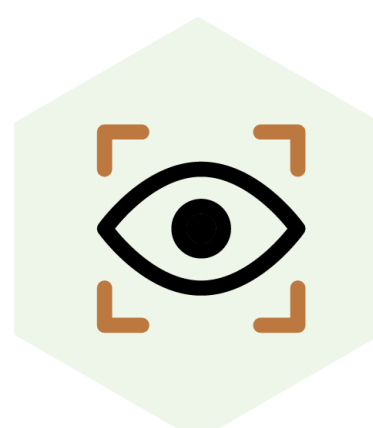
accessible public  
transport



connected  
neighbourhoods



activity in public spaces



eyes on the street

- Guiding principles
- Result of theory



# Conceptual Framework

## THEORY

### Socio-spatial segregation



#### Social

- Demographics
- income
  - ethnicity
  - age
  - education

#### Spatial

- Built Environment
- housing value
  - maintenance
  - building year
  - tenure

## MAIN FOCUS

Poor social groups

Living environment

## LOCATION

### Vlissingen



City and neighbourhood scale

Regional, district and block scale

## PROJECT AIM

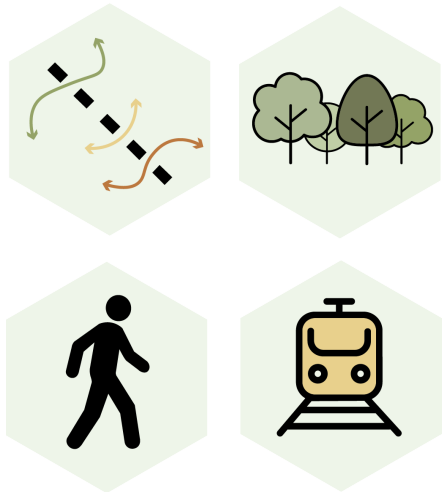
### Urban design

- Reduce socio-spatial segregation
- Improve living environment
- Improve poor social group opportunities



Vision map city scale

- Guiding principles and urban planning conditions
- Urban parks, walkability, connectivity and public transport



- Legend**
- urban park
  - main green structure
  - opportunity urban park
  - secondary green structure
  - missing links in green structure
  - main car roads
  - improve walkability routes
  - missing links for walkability
  - new bus connections
  - railway
  - reduce urban heat island effect
  - increase greenery in public space
  - improve water problems





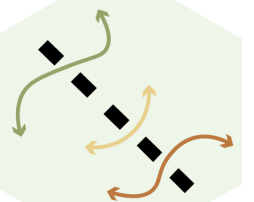
**Legend**

- main walkability routes
- main car roads
- urban parks
- main green structure
- secondary green structure

0 m 250 m 500 m

**Urban design - greenery**

- Biodiversity
- Urban Heat Island and water disposal
- Urban parks
- Walkability







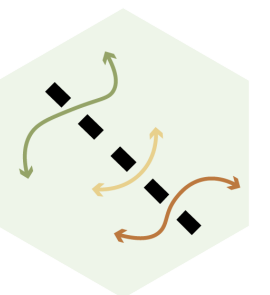
#### Legend

- main walkability routes
- main car roads
- text main amenities

0 m 250 m 500 m

## Urban design - walkability

- Amenities
- Walkability

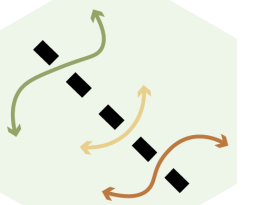
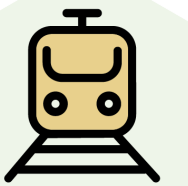






## Urban design - public transport

- Accessibility of neighbourhoods and amenities
- Walkability





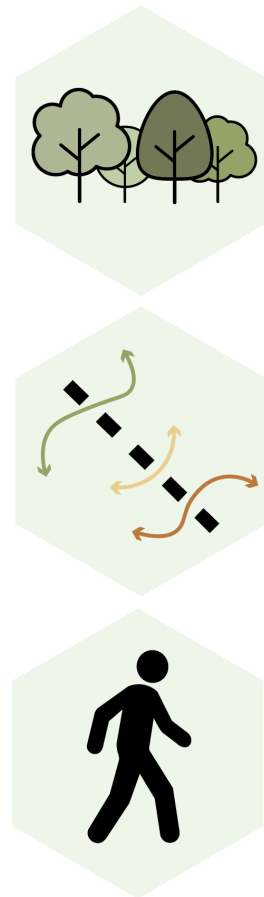
# Middengebied







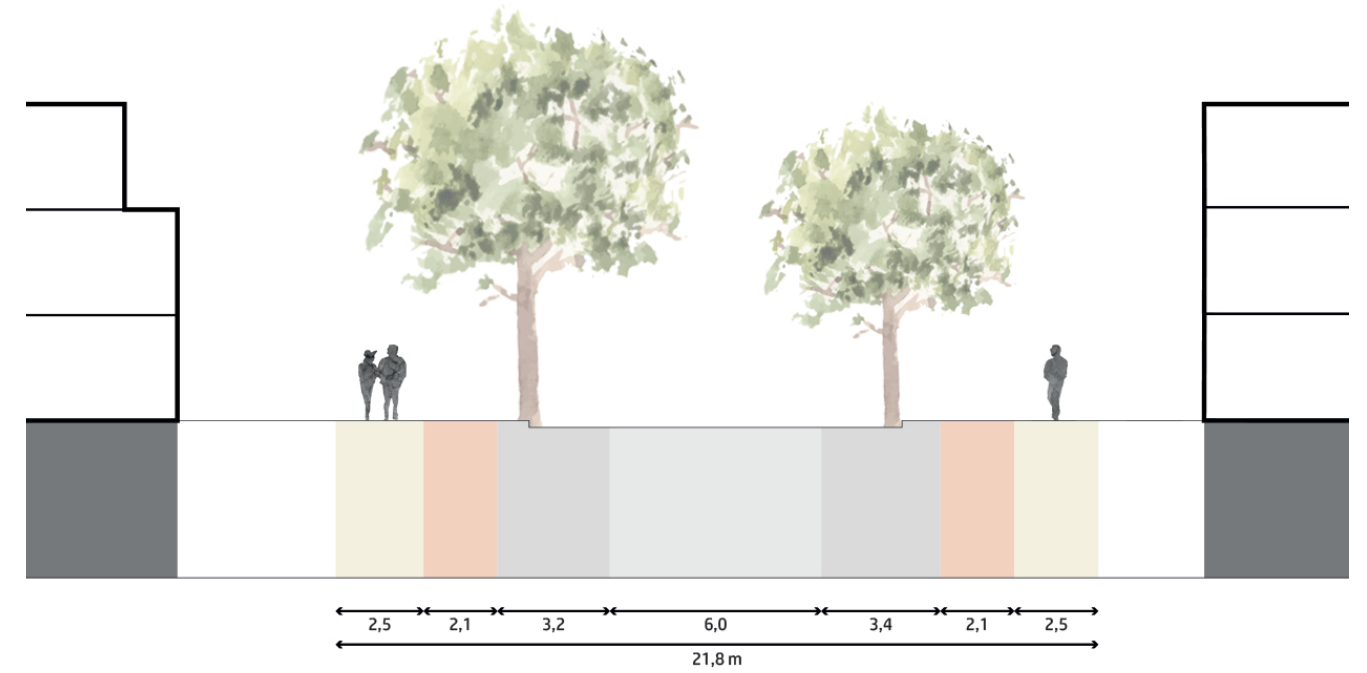








# Walkability



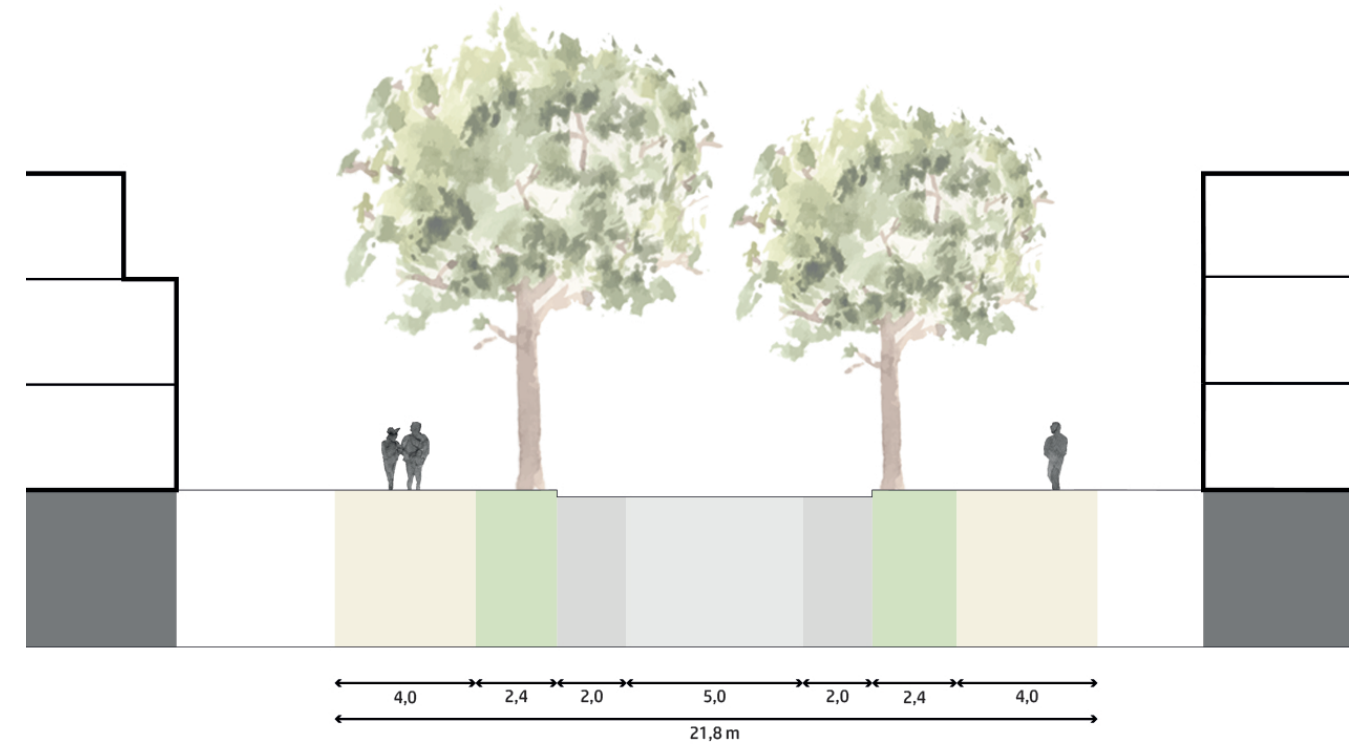
current



get rid of parking space



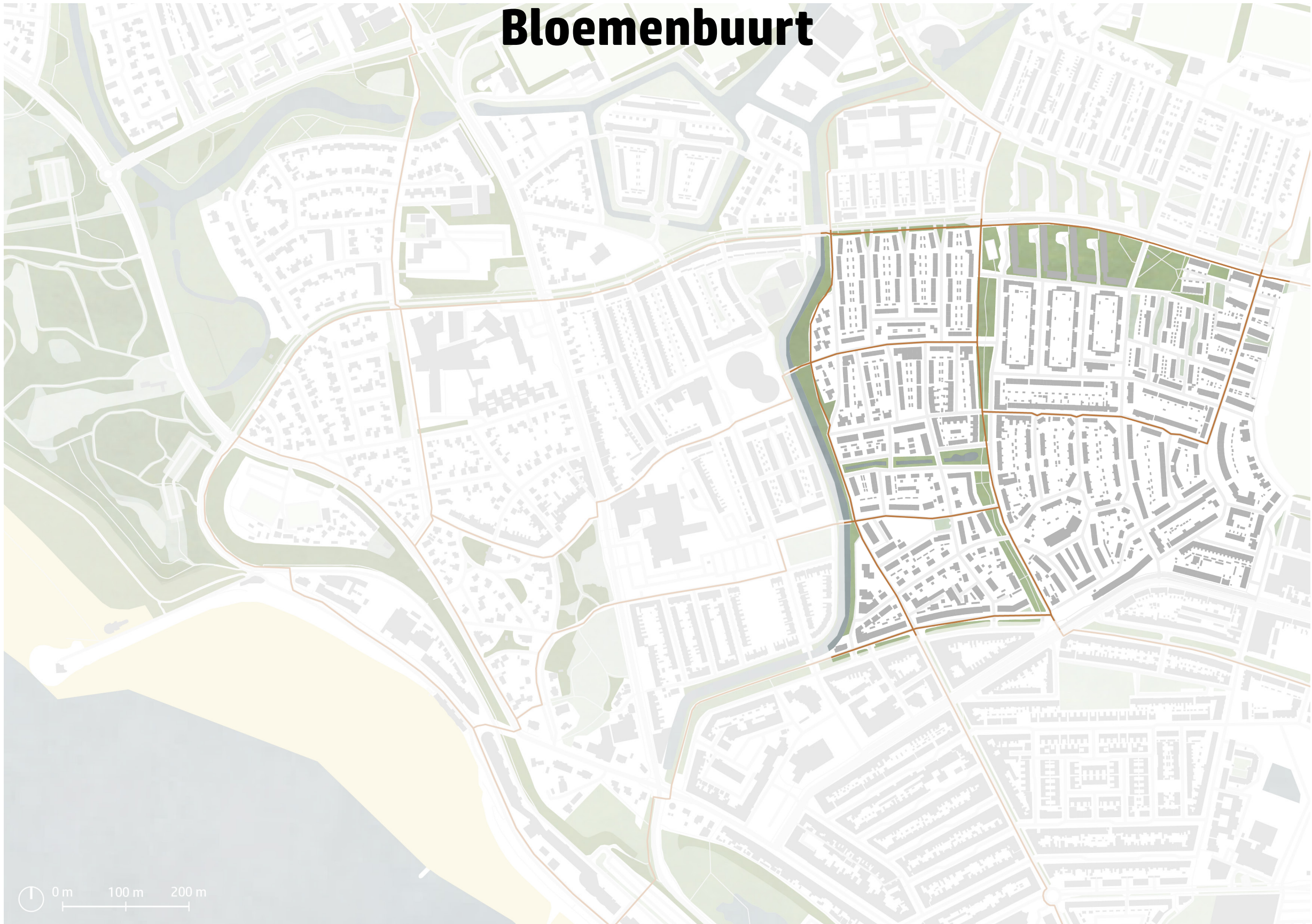
change car road to one-way traffic



President Rooseveltlaan



# Bloemenbuurt





**Vision map  
neighbourhood scale**

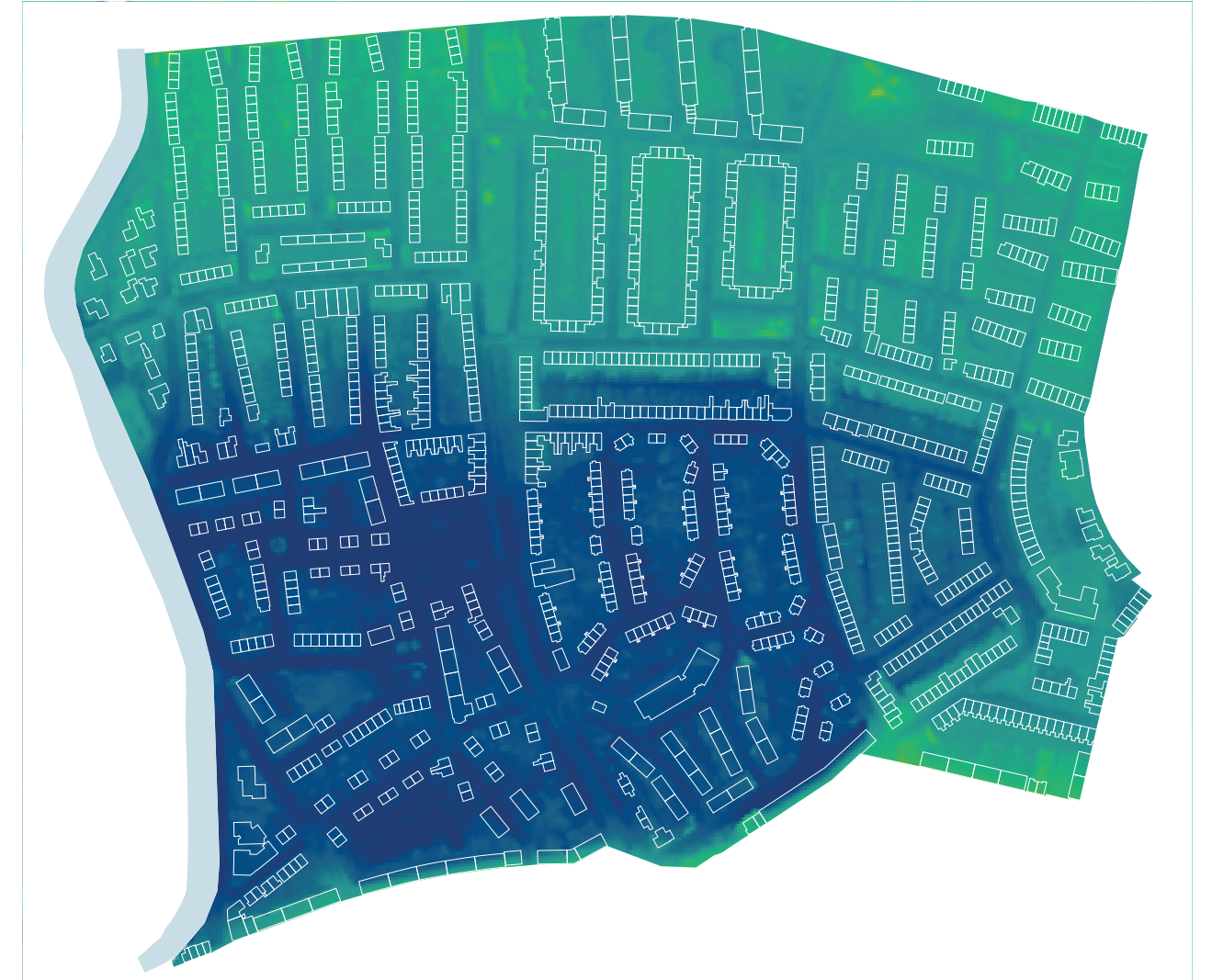
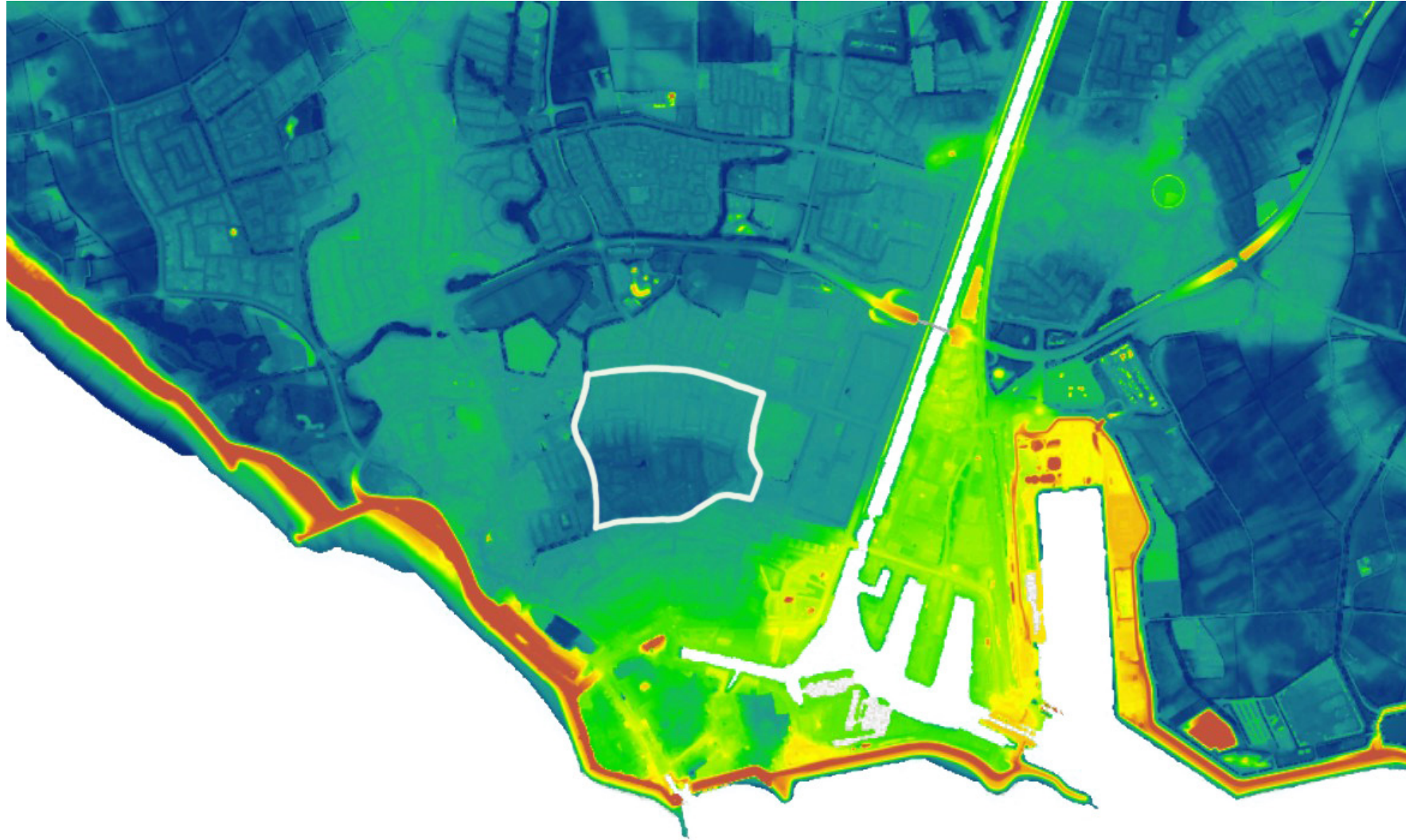
- Guiding principles, urban planning conditions and inhabitant input
- All guiding principles



- Legend**
- o opportunity urban park
  - keep current amenities
  - ★ new location community centre
  - important connection public transport
  - bus stop
  - improve walkability
  - ||||| missing links for walkability
  - improve connection
  - ⊗ get rid of car entrance
  - main (car) entrance
  - give function to public spaces
  - fronts facing walkability routes
  - important green structures for ecology
  - improve green structure
  - missing links green structure
  - potential to change housing  
homogeneous typologies  
social housing  
oldest building years
  - ... keep historic character
  - lowest area - more green space
  - highest urban heat island effect - more green space
  - P solve parking problems
  - ↔ slow down cars
  - improve low quality living environment

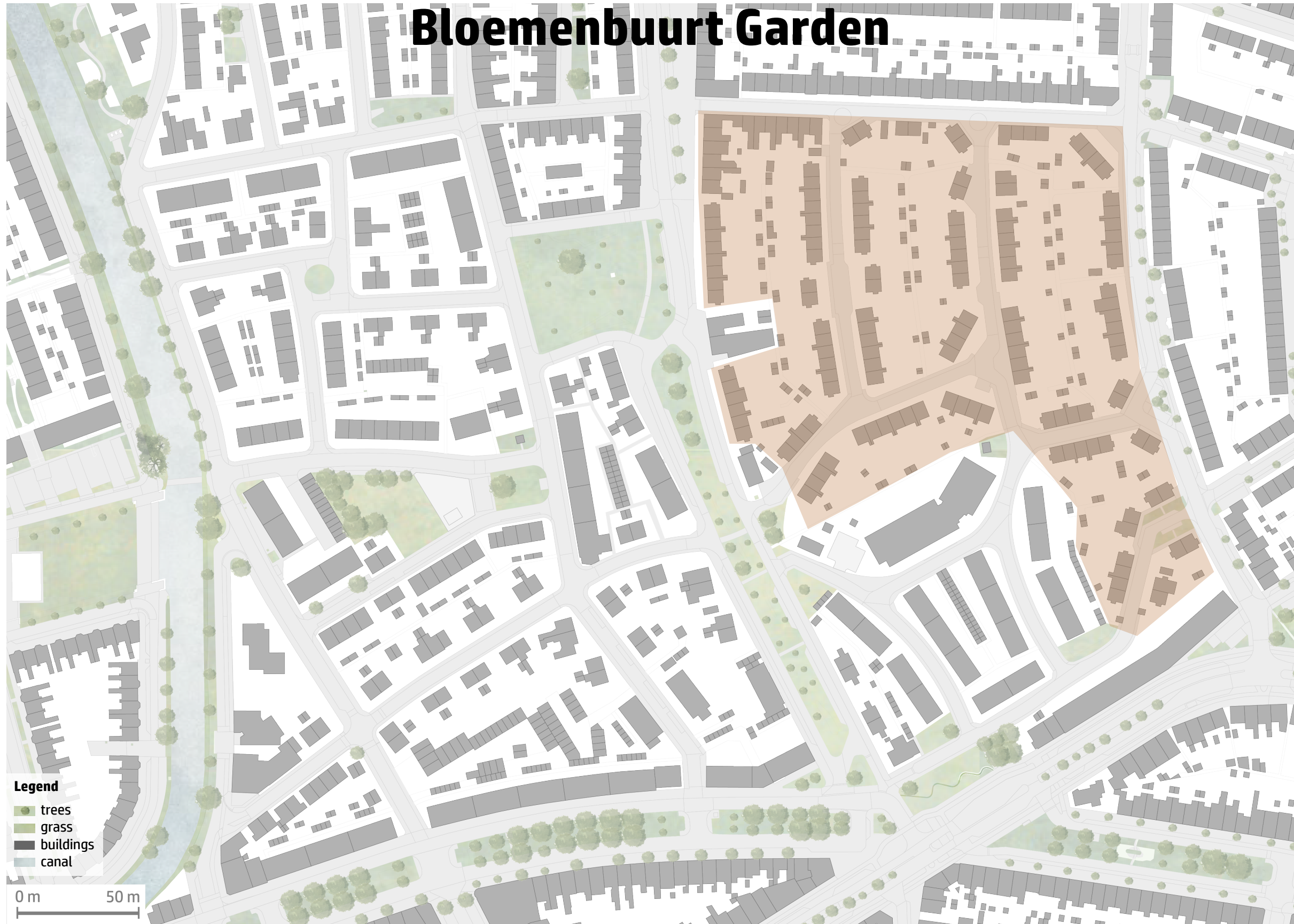


# Bloemenbuurt Garden





# Bloemenbuurt Garden





# Garden City Concept









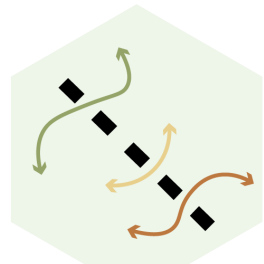






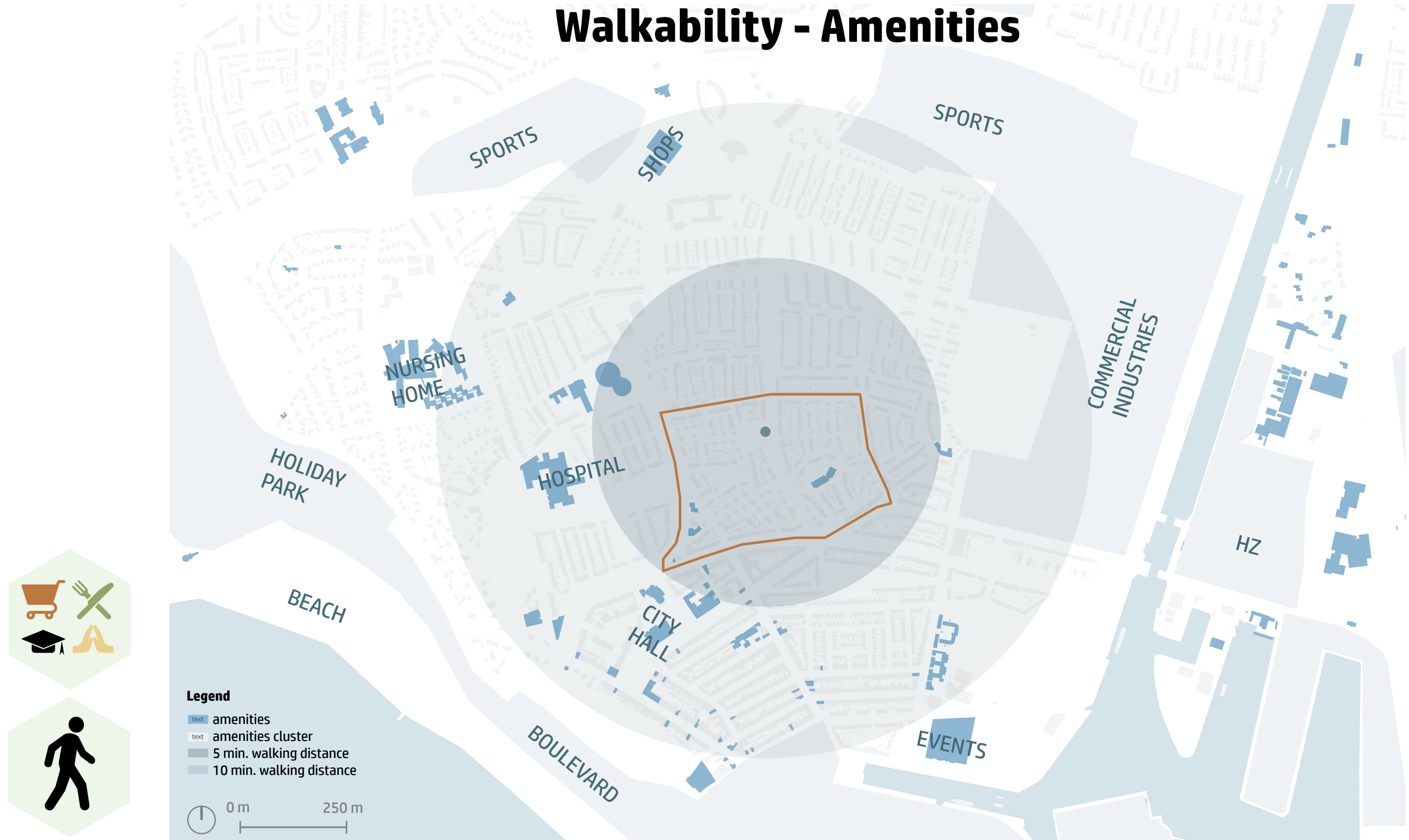


# Walkability



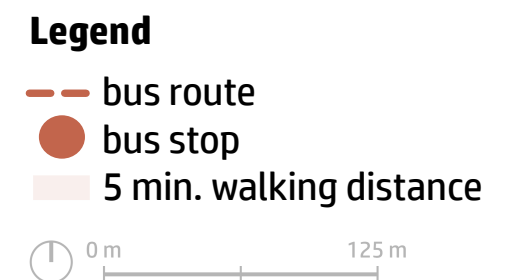
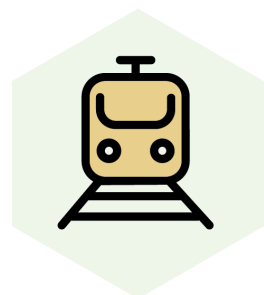


# Walkability - Amenities



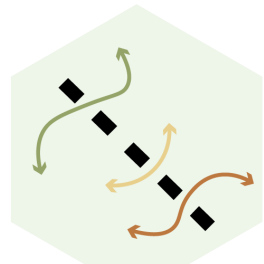
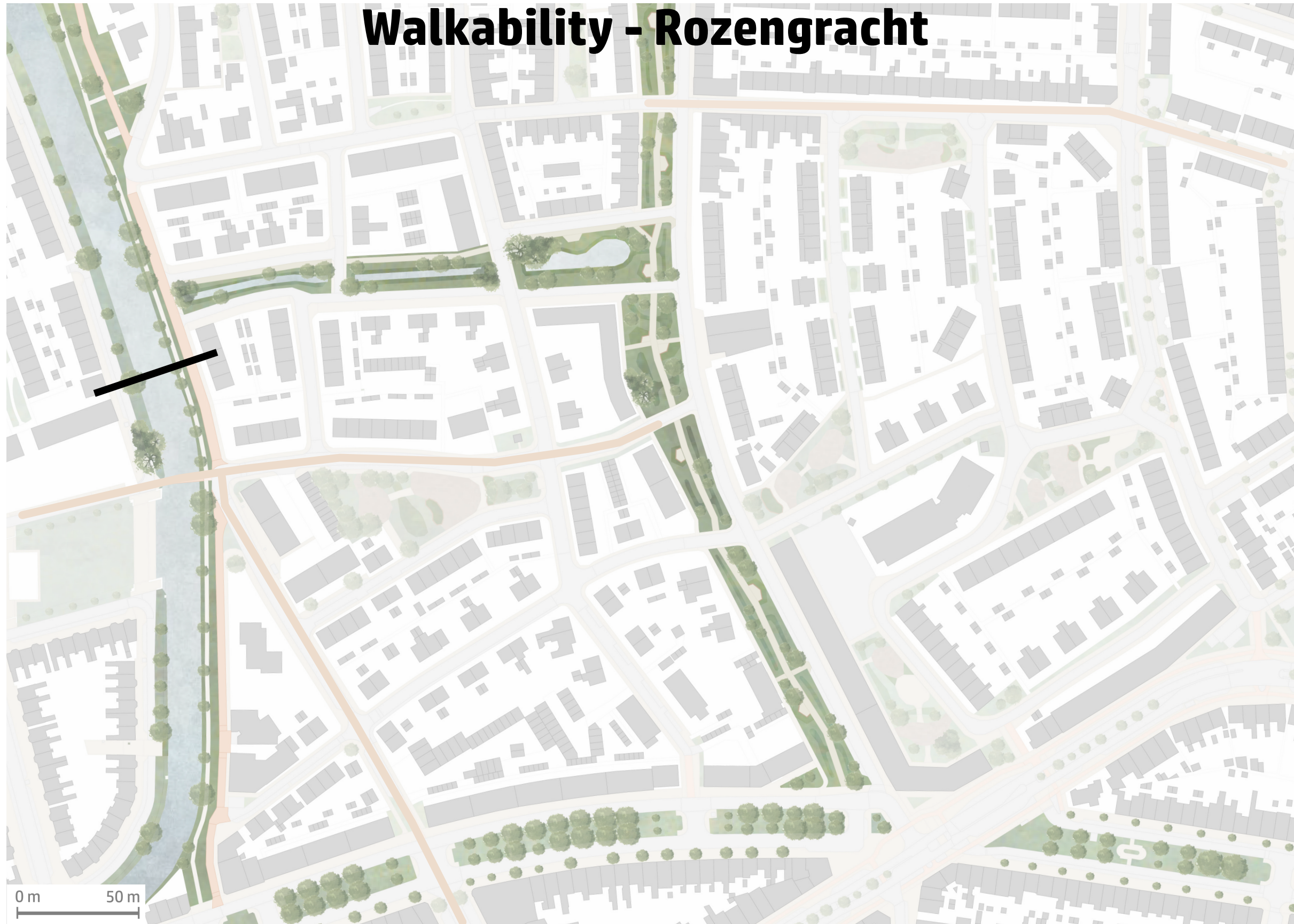


# Walkability - Public Transport





# Walkability - Rozengracht

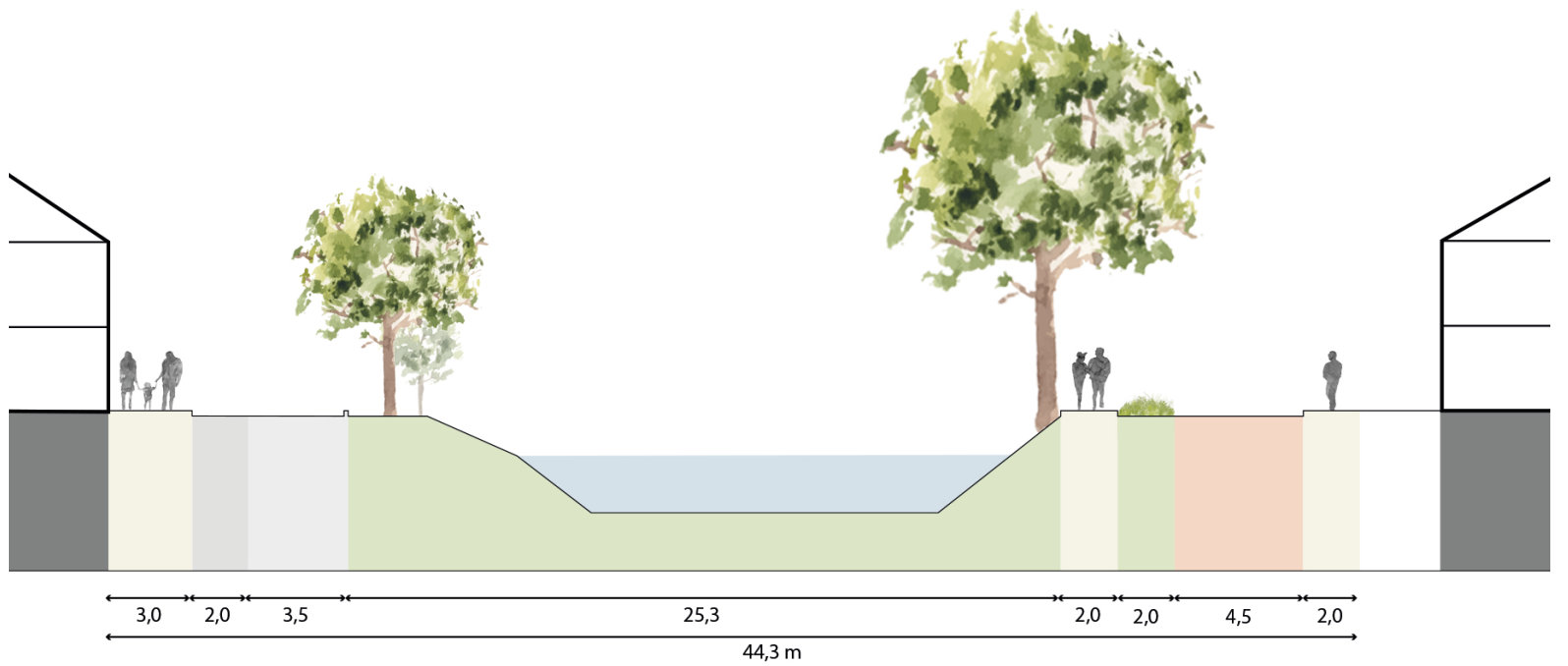
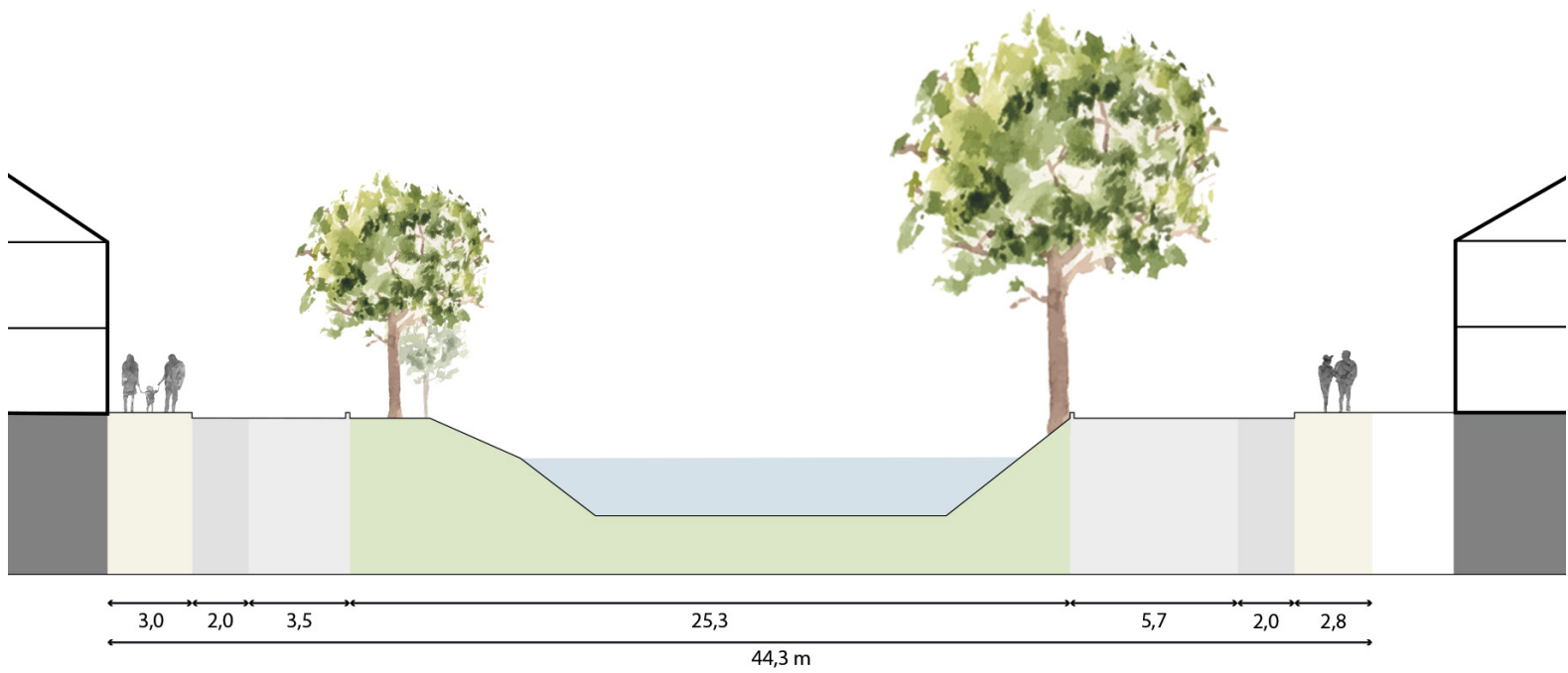


0 m 50 m



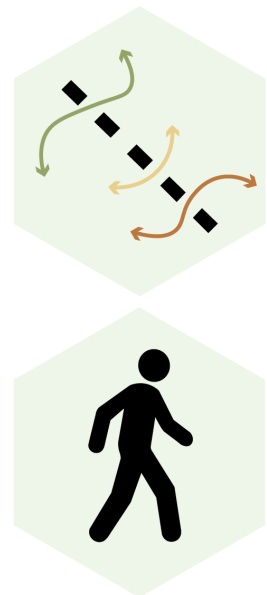








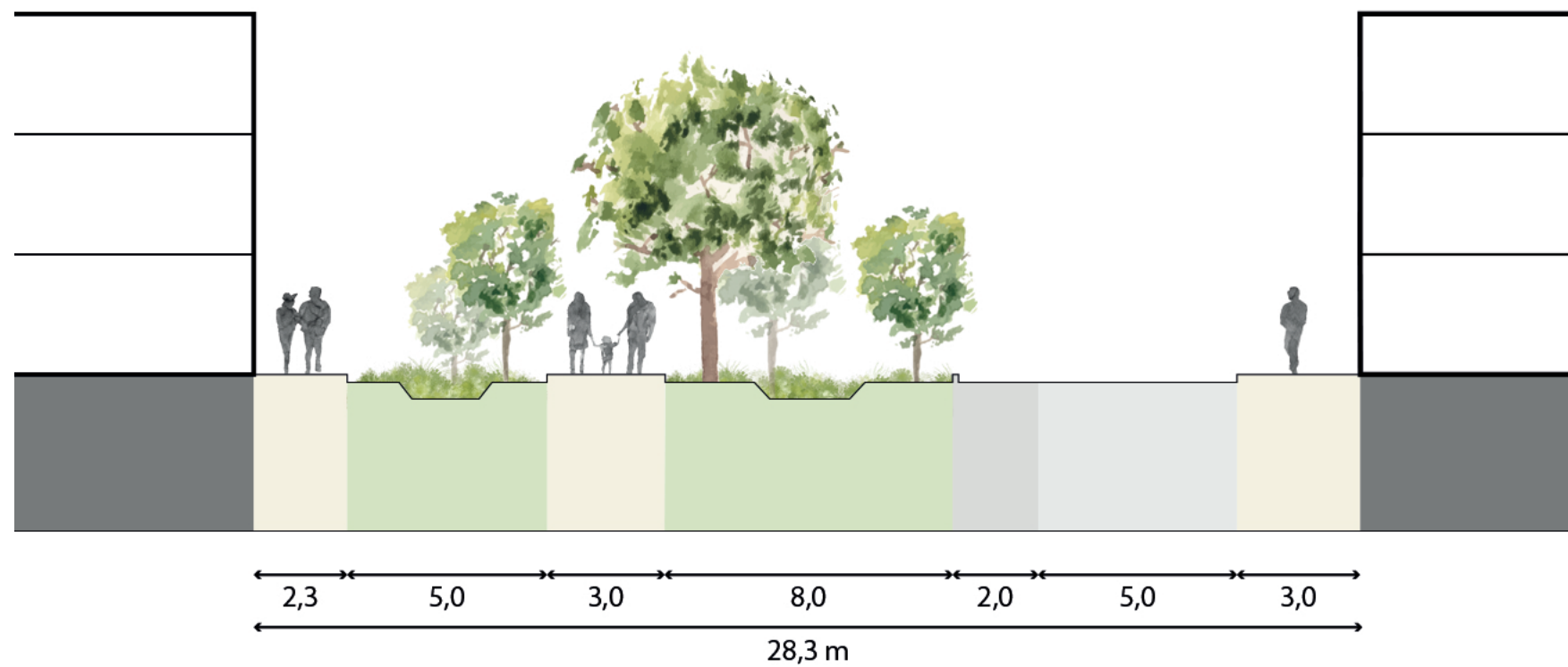
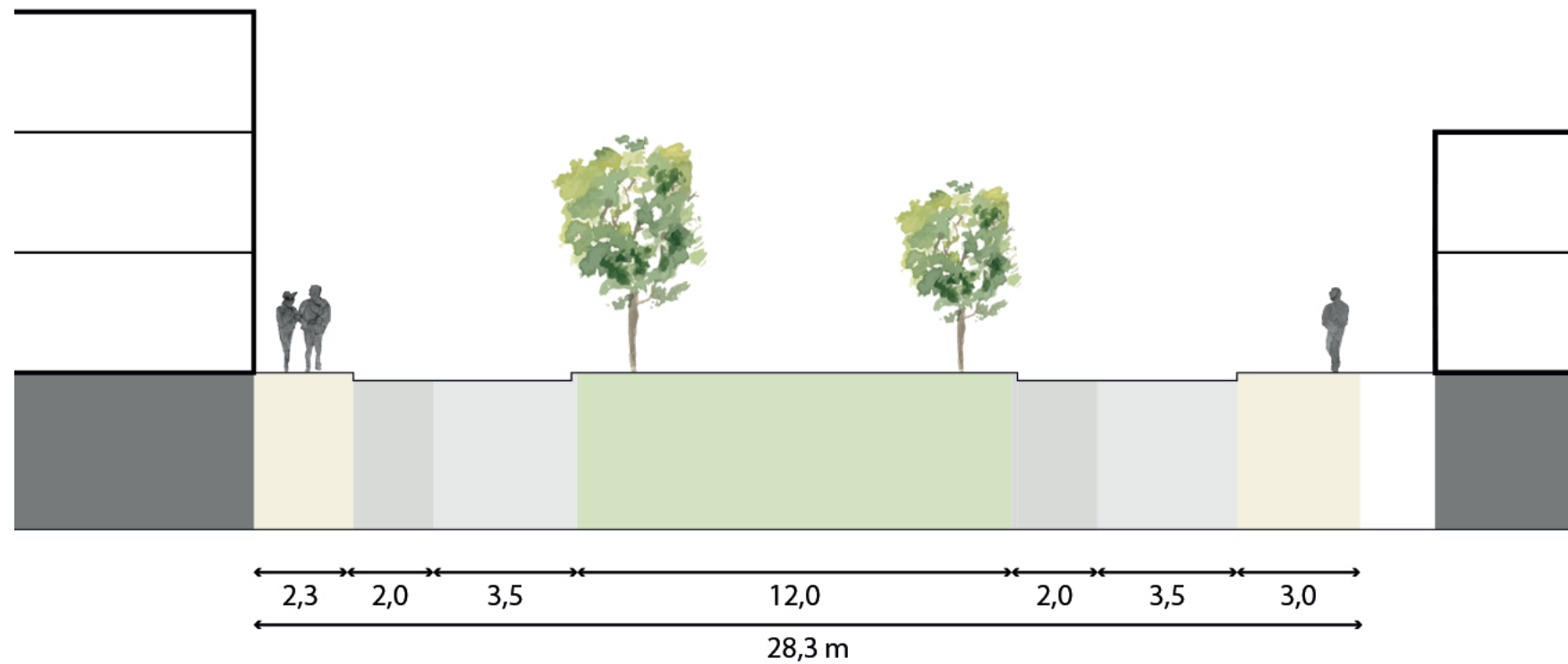
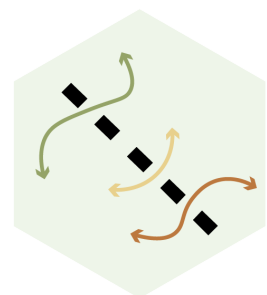
# Walkability - Bloemenlaan













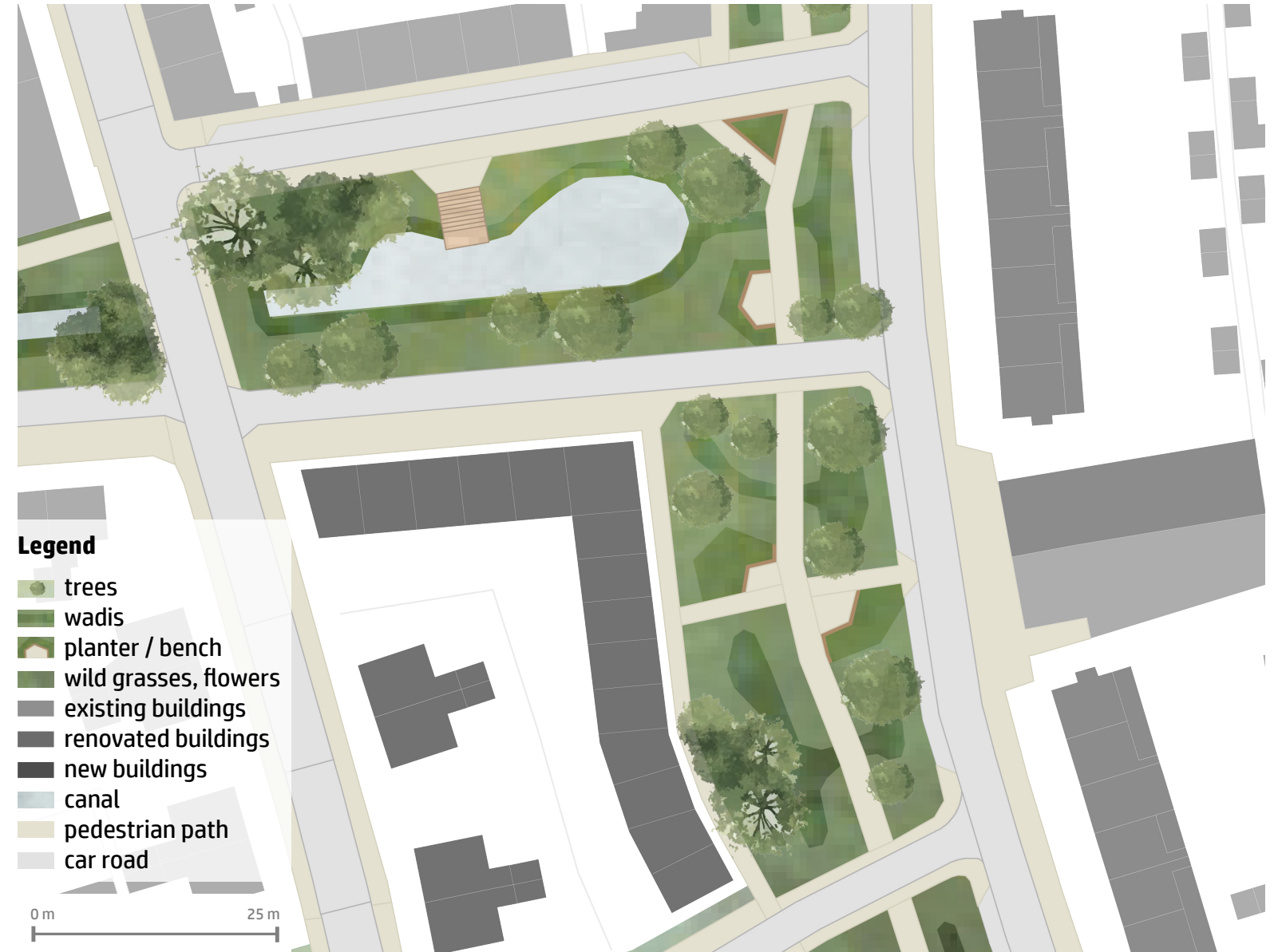
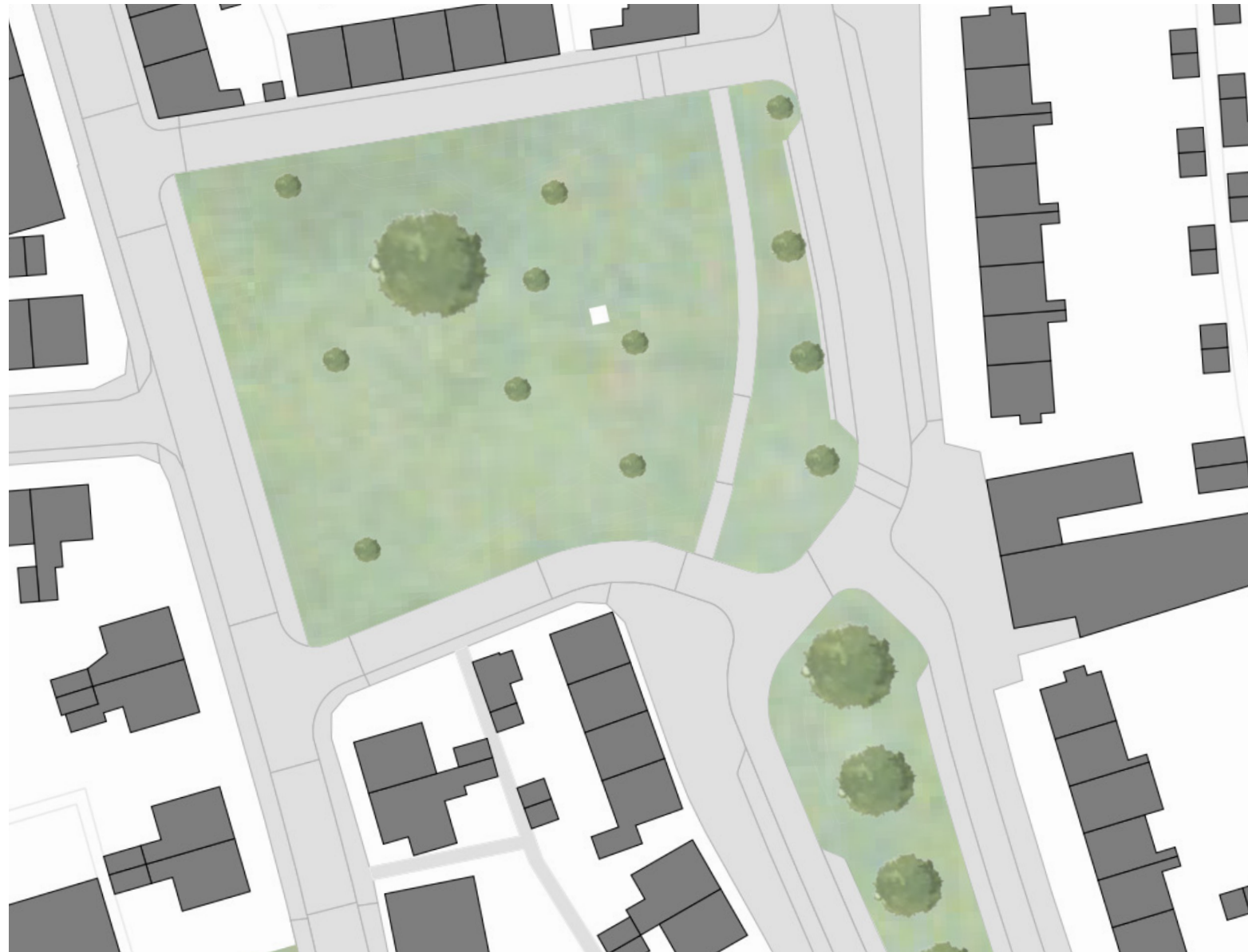
# Urban park



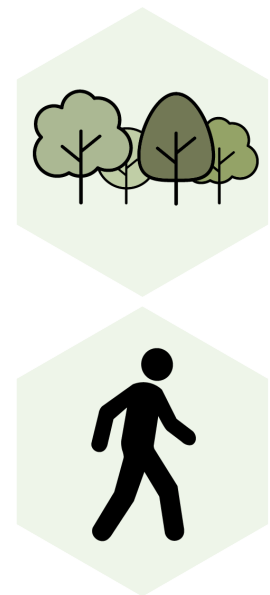
0 m 50 m



# Urban park











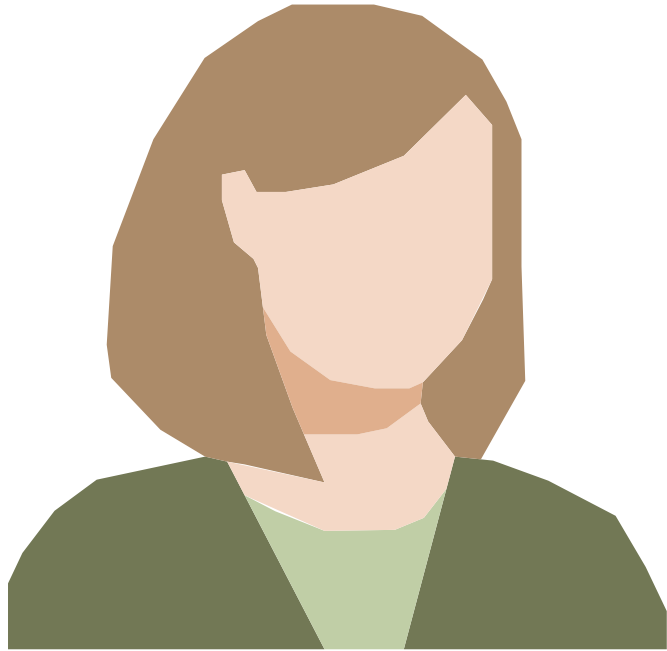


# Activity in public spaces

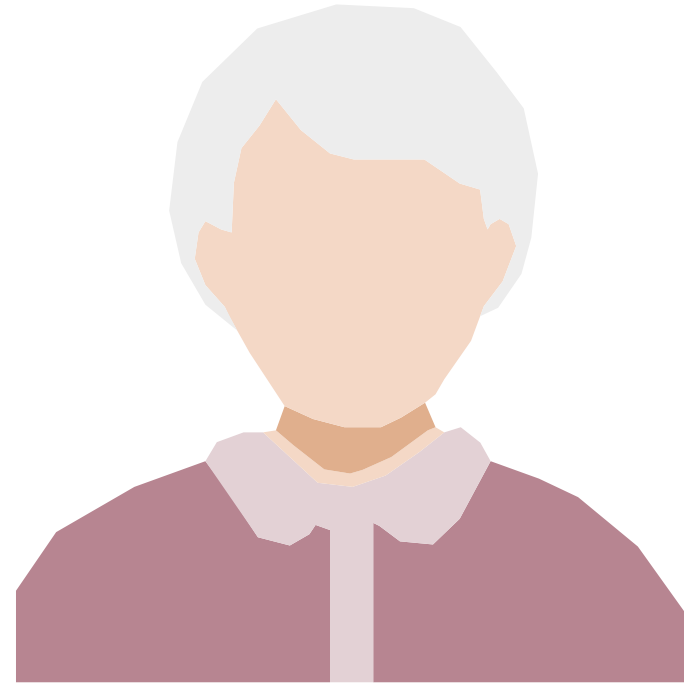




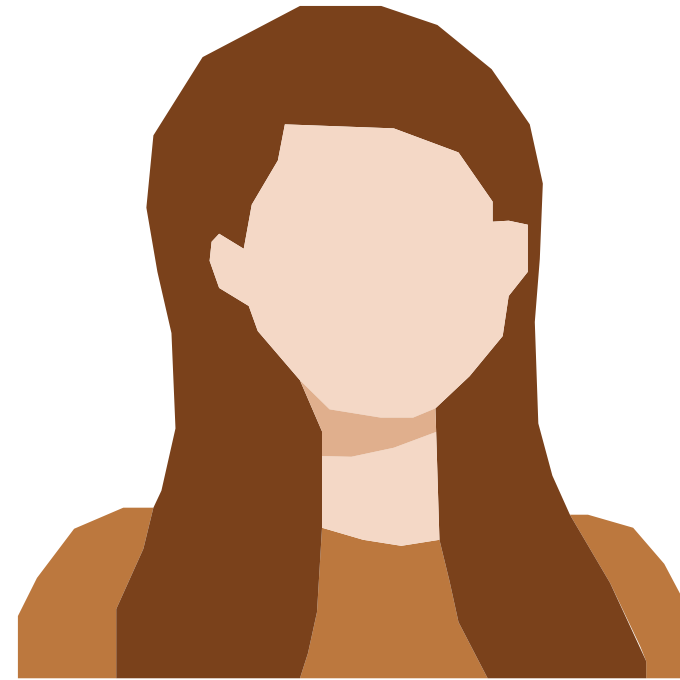
# Inhabitant input



“There is a lot of overdue maintenance and a lack of space for children. There is a playground not far from here, but it was built about 25 years ago and never changed since.” - Krista



“Many front gardens are a mess. They are full of trash and used to park bikes.” - Ms Bertijn

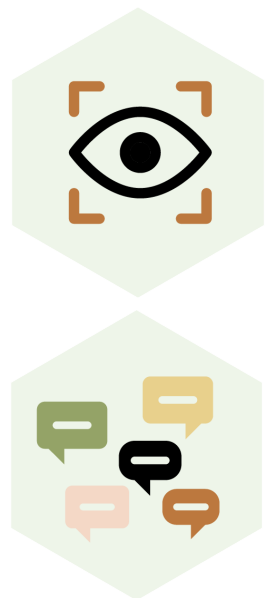


“There are not many opportunities for children to play. I do not have or want children myself, but still the neighbourhood could be more child friendly.” - Ilona



“There is a lot of nuisance when it is raining. There are many gardens with only concrete tiles, which results in the green gardens getting all the water problems.” - Walter

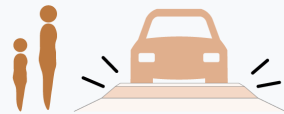




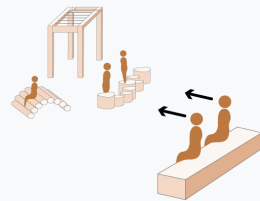
## SAFETY



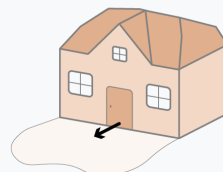
overview



slow down cars



social control



fronts facing public space

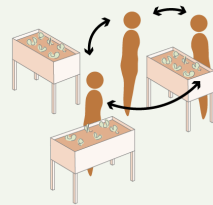


lighting

## GARDEN CITY



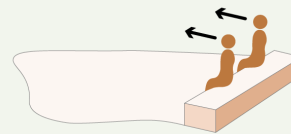
greenery



collective garden

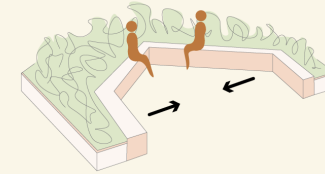


biodiversity

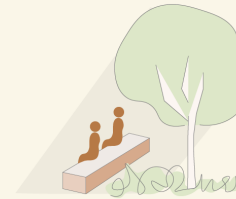


open spaces

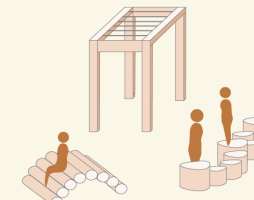
## ACTIVITY



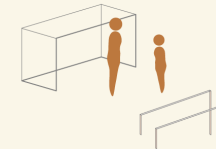
benches face each other



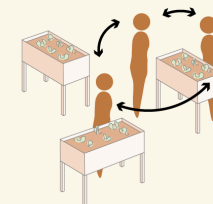
benches with shadow



playgrounds



sport facilities



collective garden



# Activity in public spaces



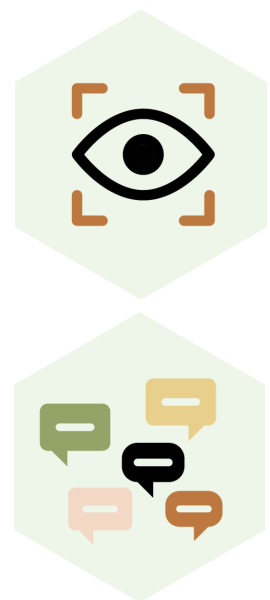
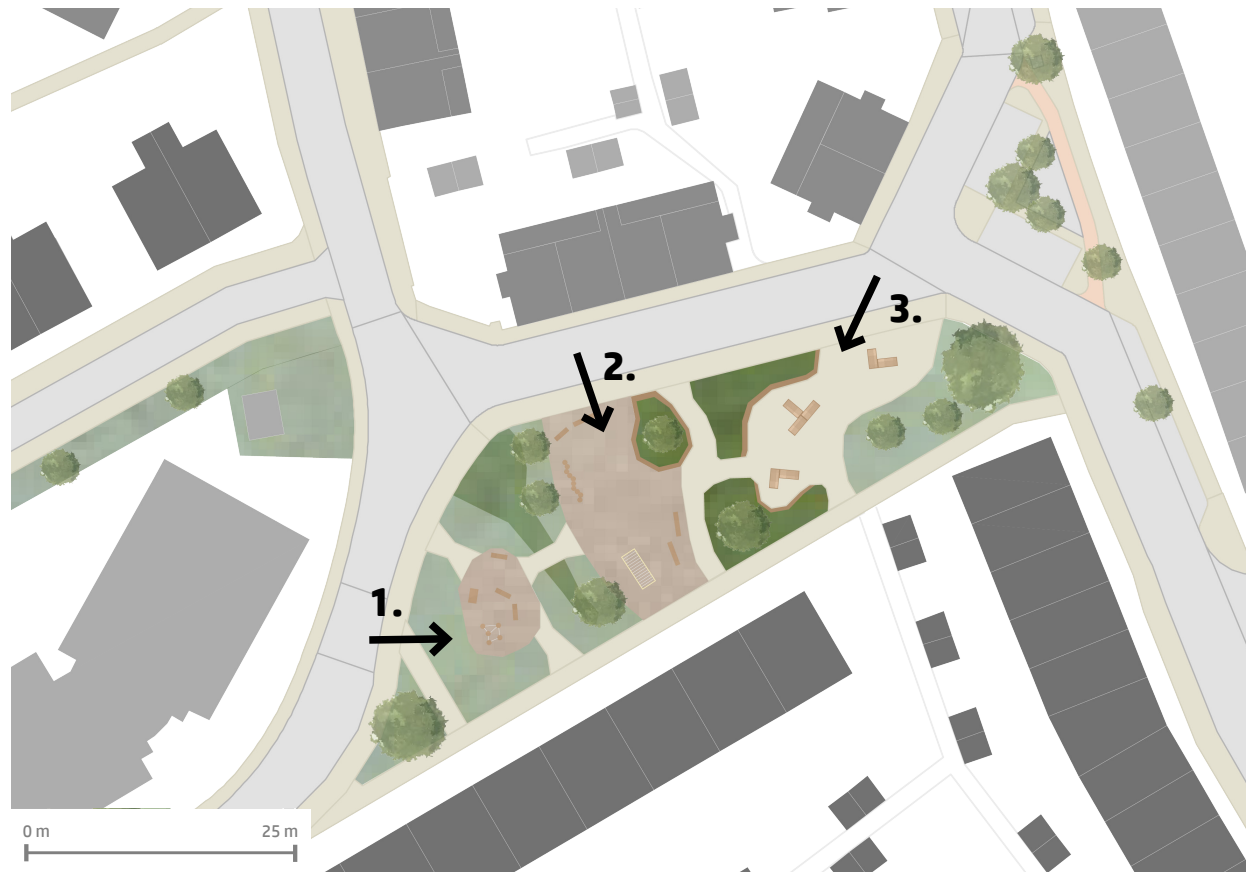
0 m 50 m



# Activity in public spaces

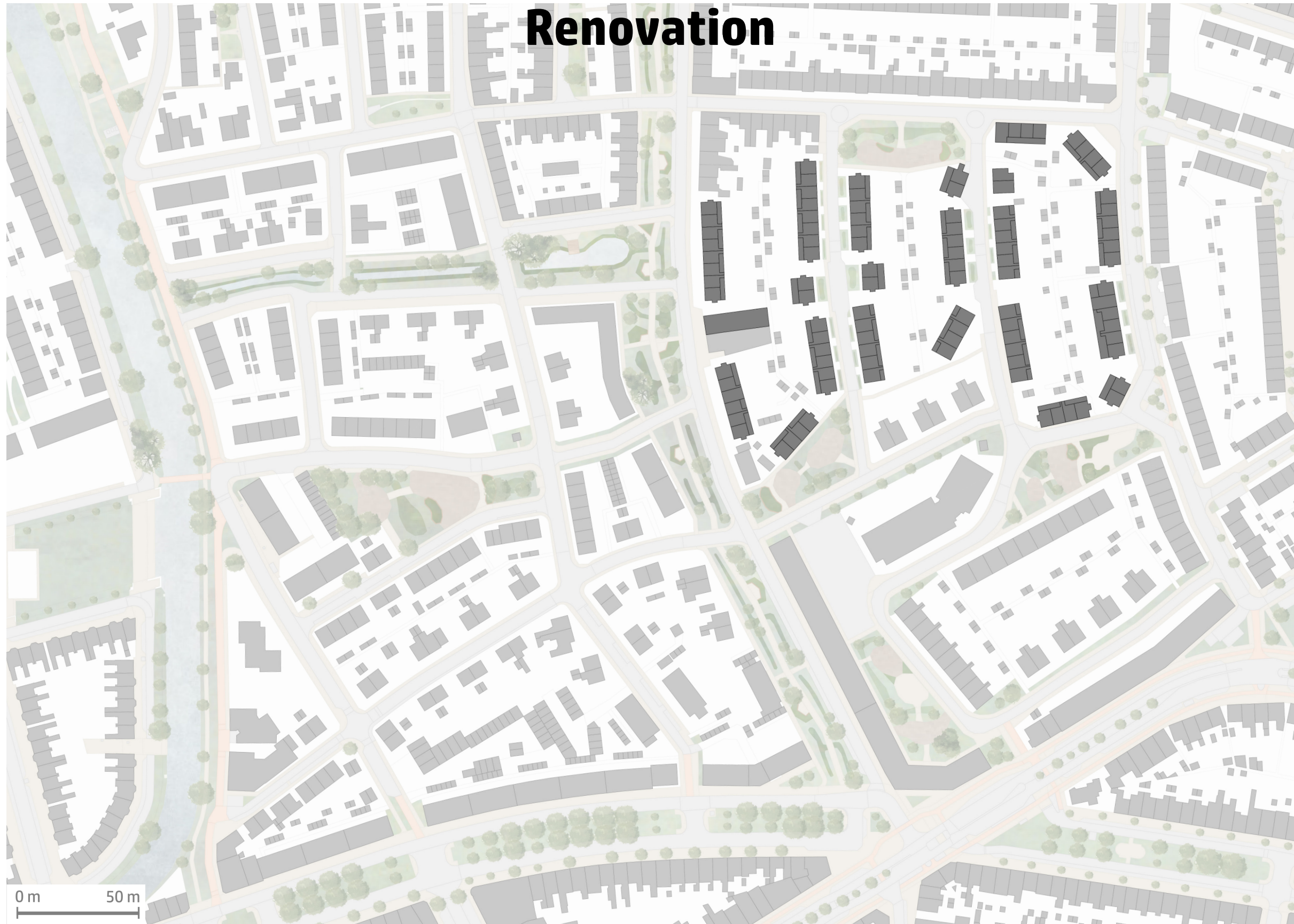




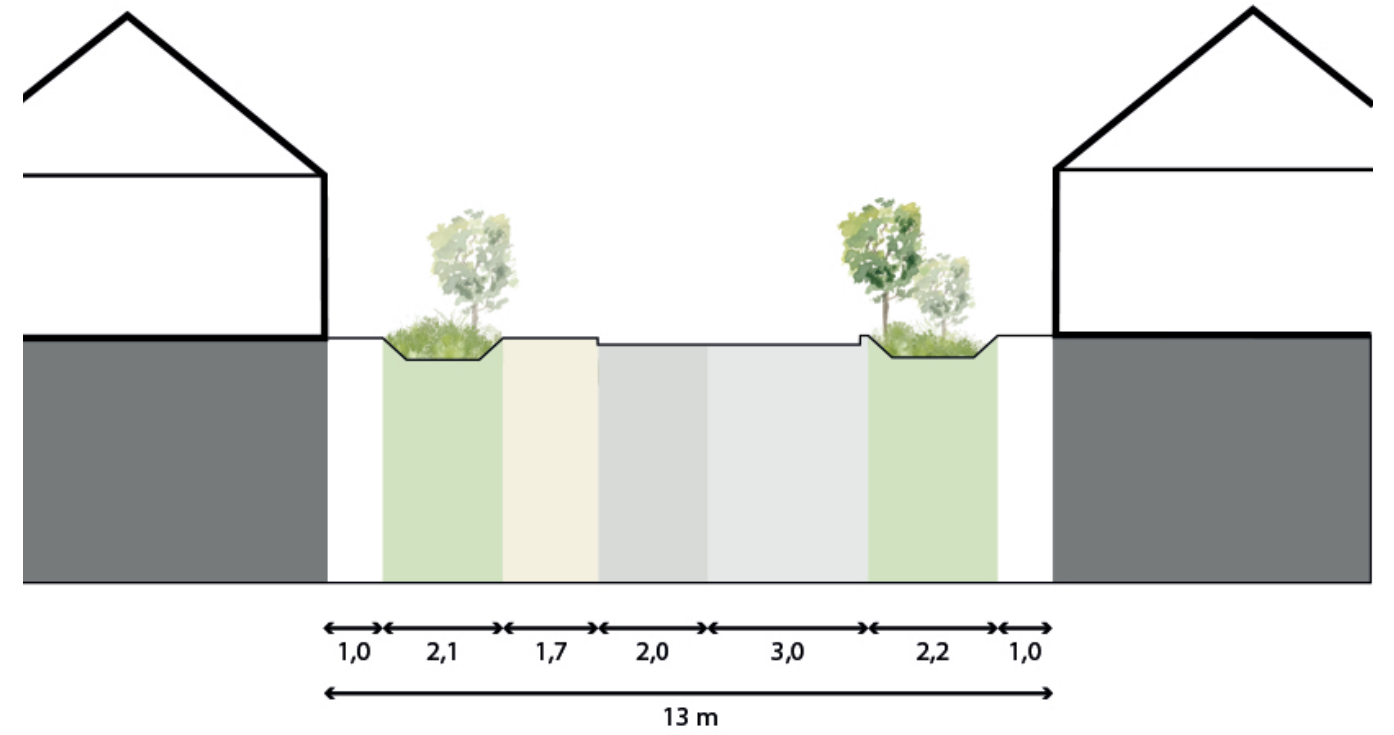
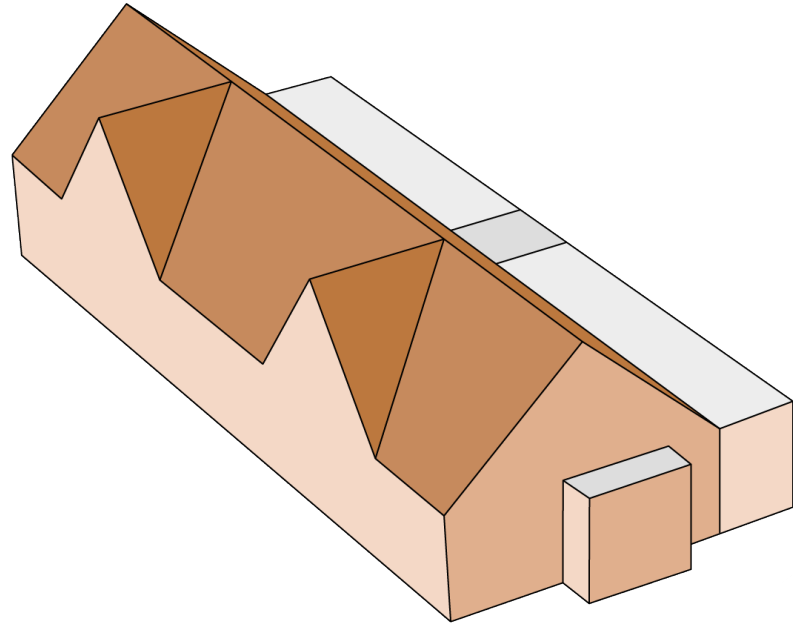
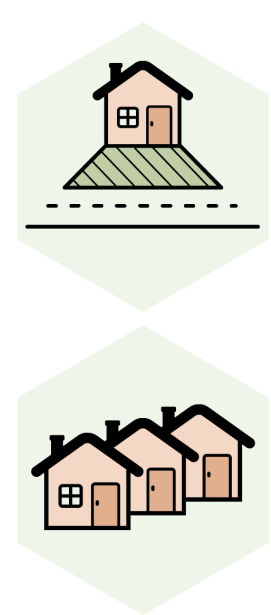
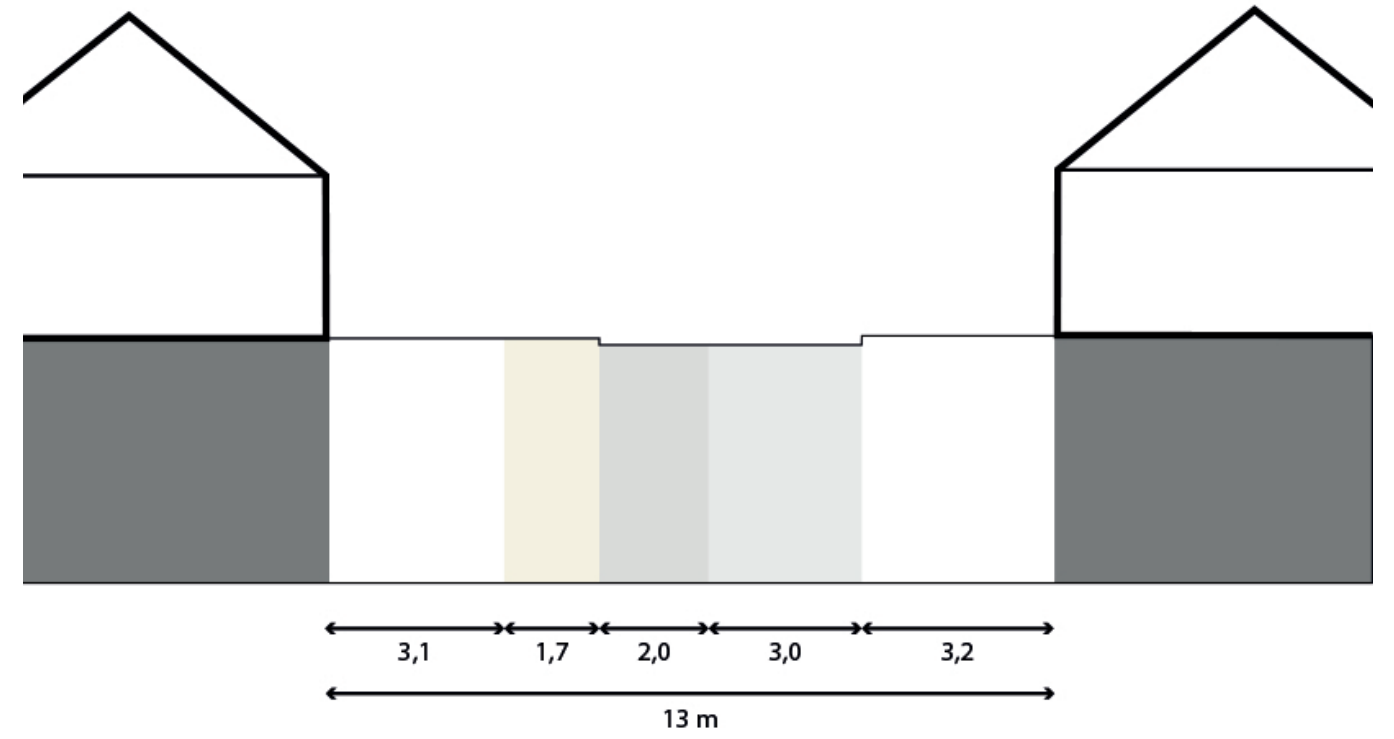
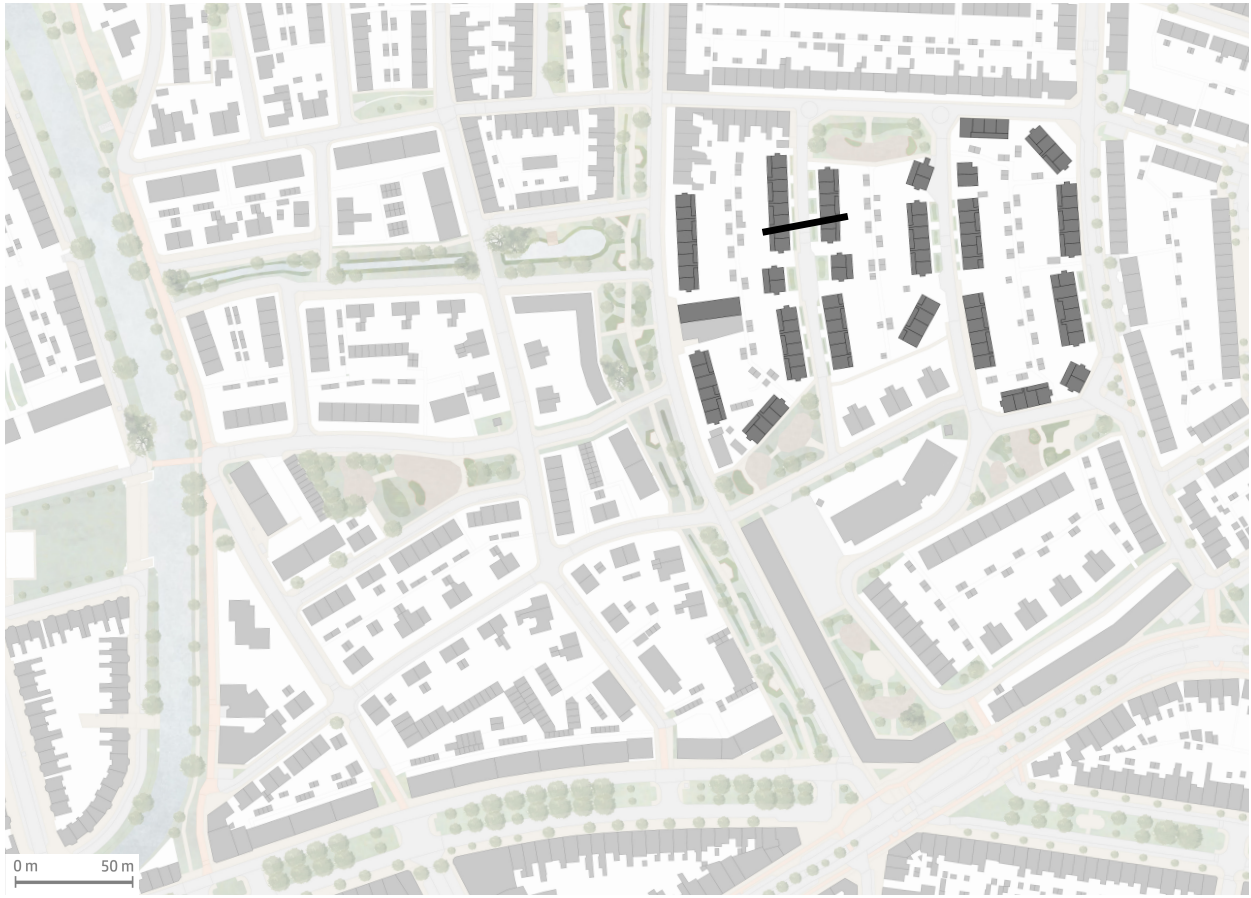




# Renovation









# New-build housing





# Garden City architecture



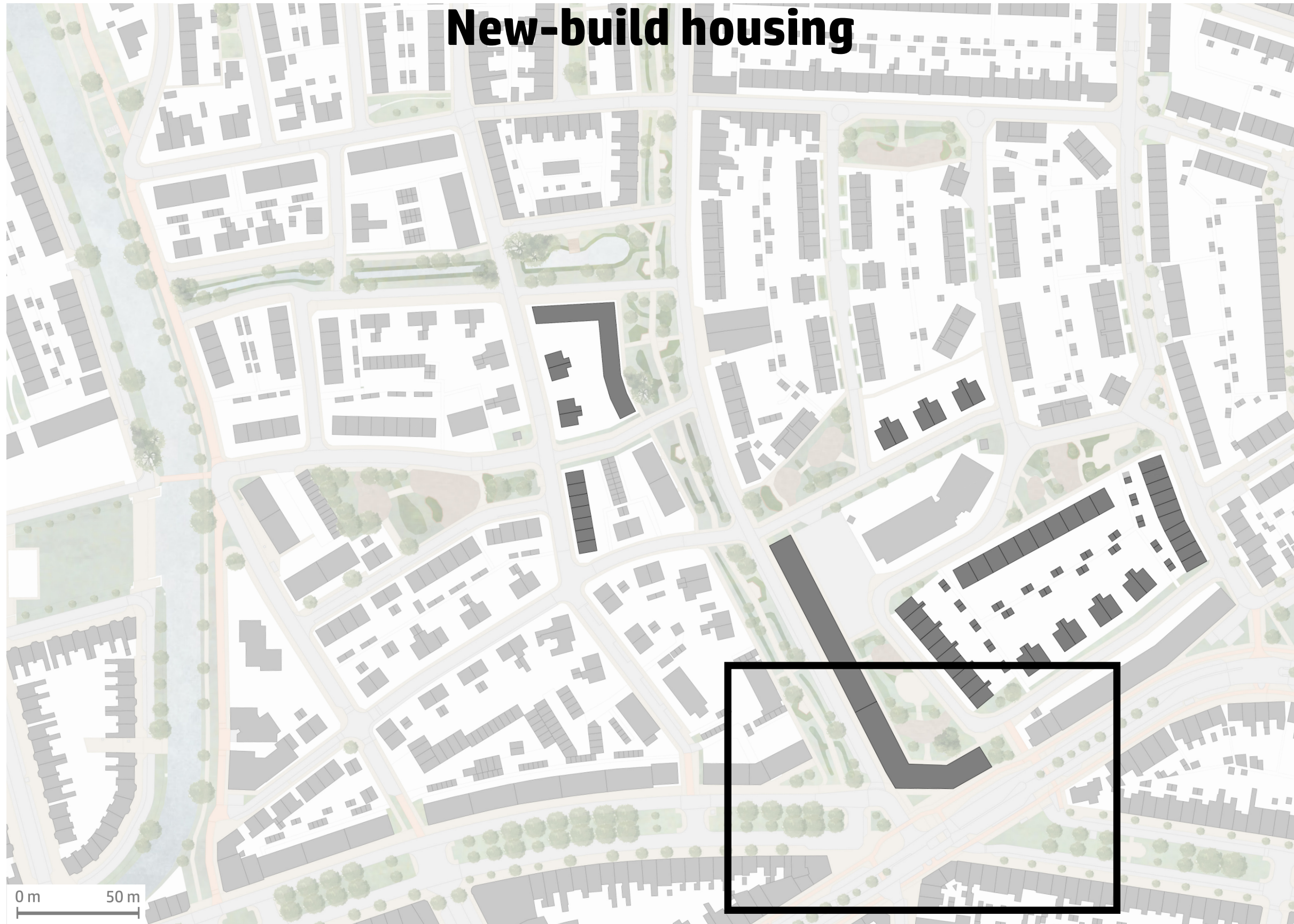


# Enclosed neighbourhood





# New-build housing



0 m 50 m

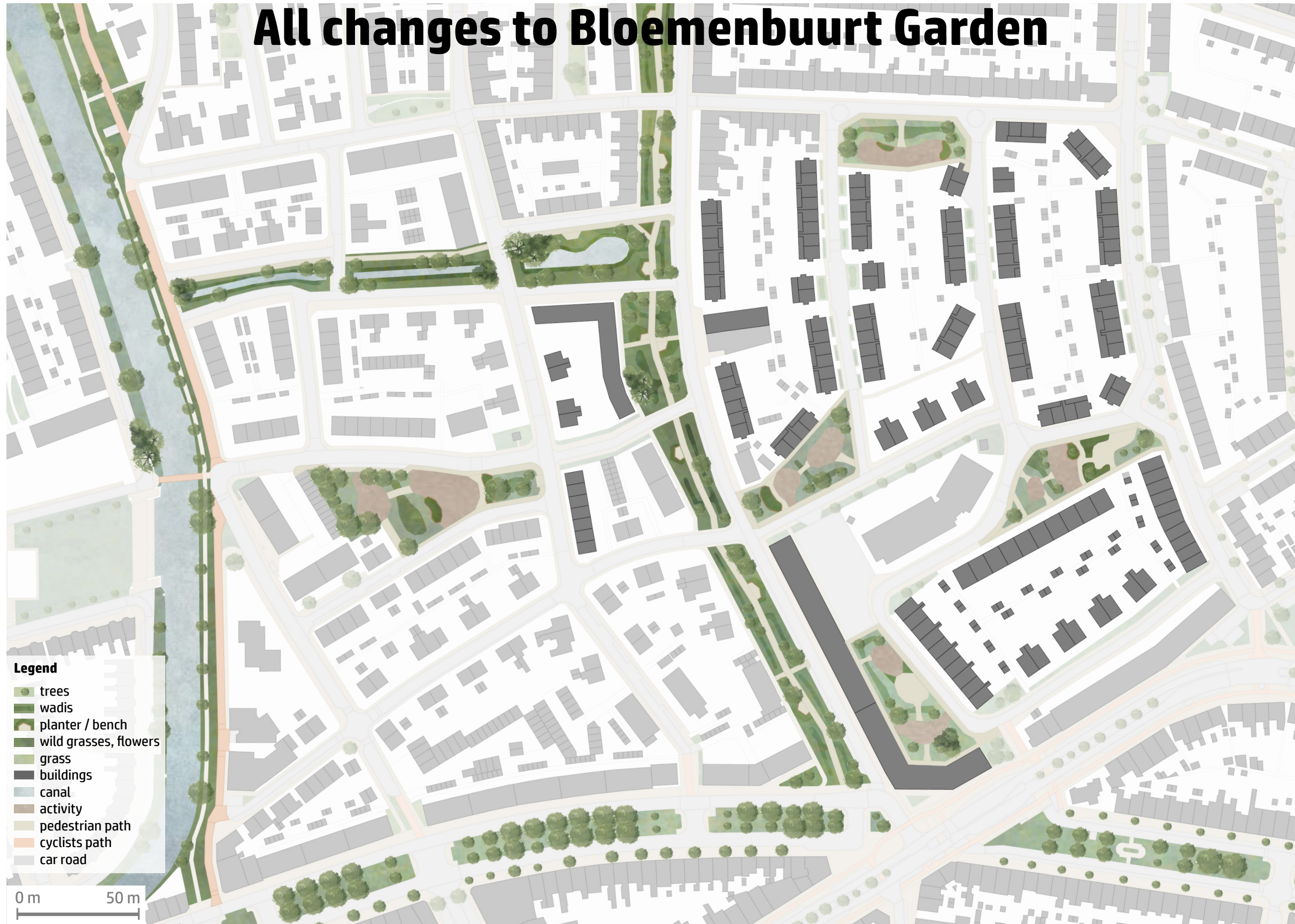


# Main entrance





# All changes to Bloemenbuurt Garden





## Conclusion

All together socio-spatial segregation is reduced by stimulating diversity with social mix to reduce spatial segregation, and by stimulating interaction with social cohesion, connectivity and vitality to reduce social segregation.

