

Lotte Wiegers 5071569

P5 presentation 19-06-2025

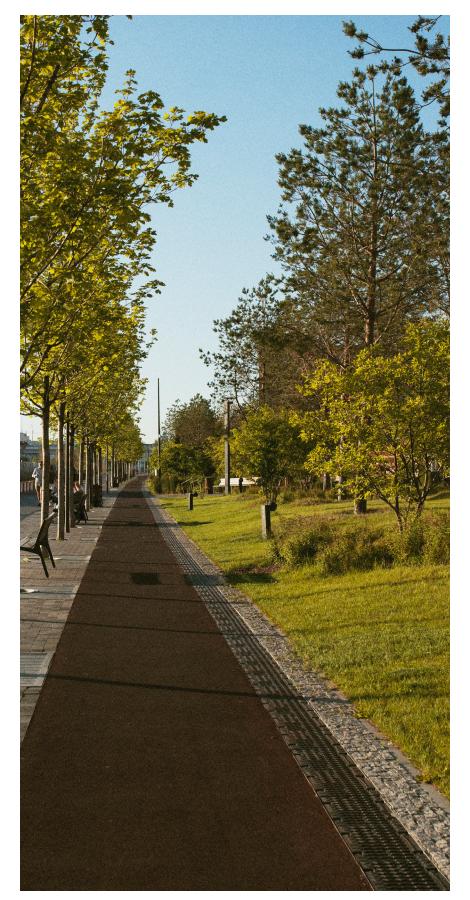
Mentors Remon Rooij Martijn Lugten

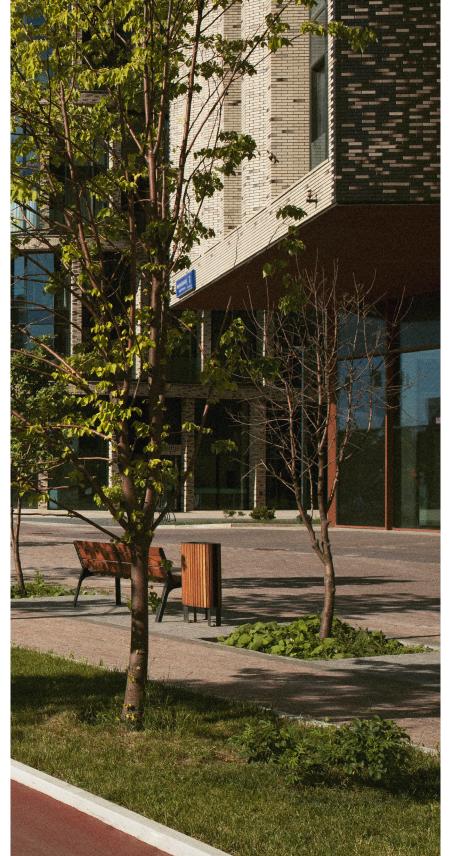
Delegate *Alexander de Ridder*

Urbanism MSc 2025











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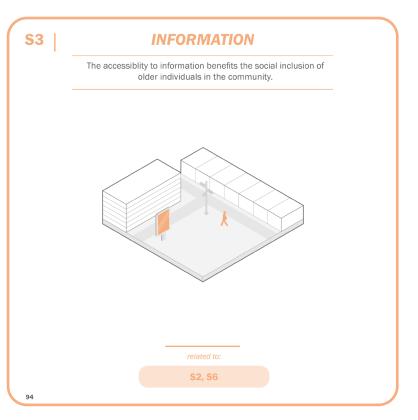


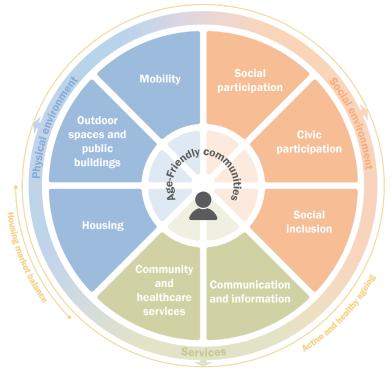


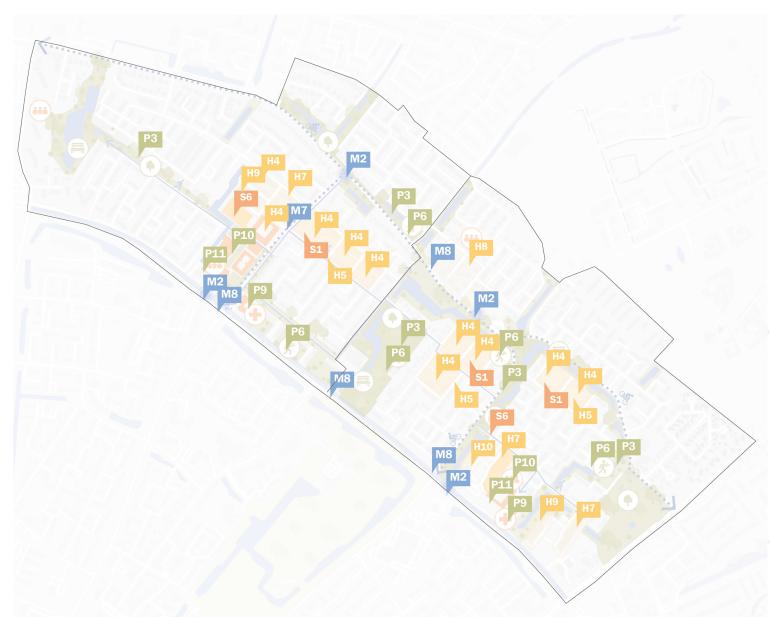




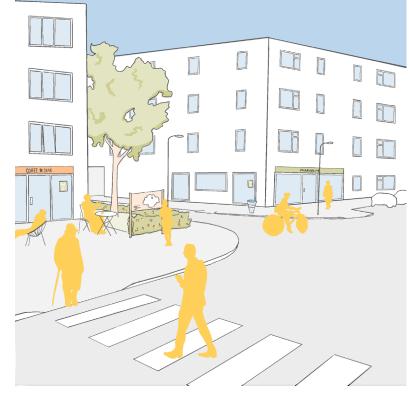
















Research question

"How could **age-friendly** spatial planning and strategy in Dutch cities support **active and healthy ageing** for elderly and contribute to a more balanced **housing market**?"

Subquestions:

- "How do the current physical, social, and municipal factors influence age-friendliness and the quality of life for elderly residents in Apeldoorn?"
- 2 "What are spatial and systemic patterns of age-friendliness related to urban planning and design?"
- 3 "What would the age-friendly community pattern language look like in Apeldoorn?"
- "How can the pattern language and framework be transferable for other cities?"

Content

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Ageing population
Quality of life
Age-friendly framework

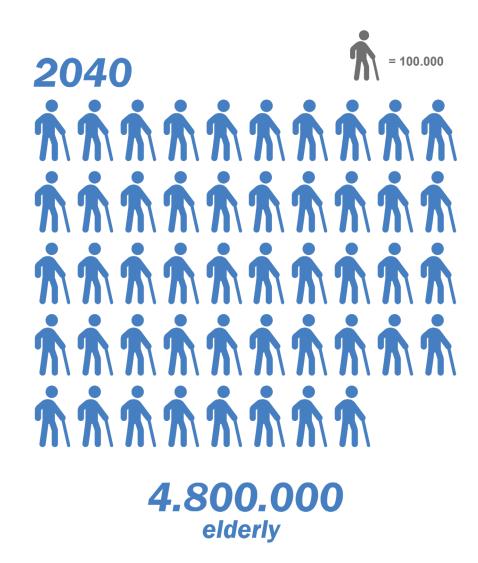
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Conclusion
Research question
Strategy
Transferability

Ageing population
Quality of life
Age-friendly framework

Ageing population
Quality of life
Age-friendly framework



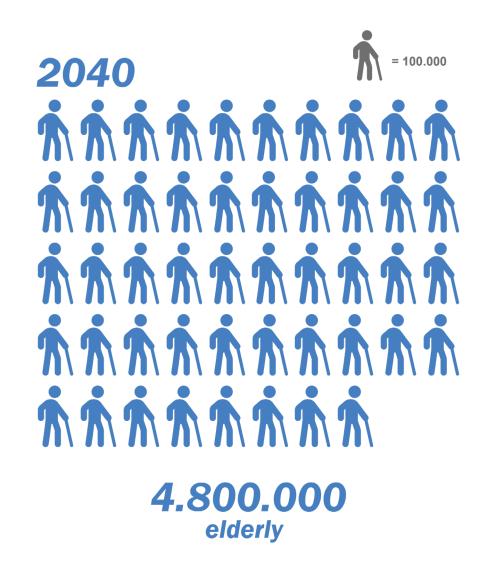


Private space



Public space

Ageing population Quality of life Age-friendly framework



Woningmarkt

Woningtekort? Niet echt. Er is vooral een tekort aan kleinere woningen

Martijn Roessingh

redacteur woningmarkt

15 januari 2025, 22:00

Steeds meer ouderen wonen thuis met verpleegzorg: 'Een verpleeghuis lijkt me niks'

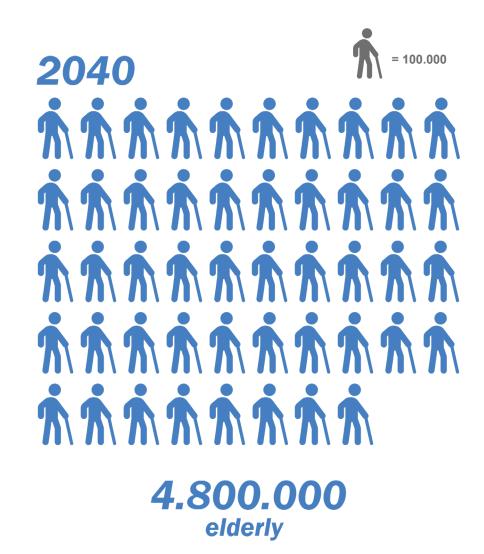


Eva 16 september 2024, 12:02 • Aangepast 16 september 2024, 18:15



Public space

Ageing population Quality of life Age-friendly framework



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Eva 16 september 2024, 12:02 • Aangepast 16 september 2024, 18:15

Grootste problemen op de woningmarkt

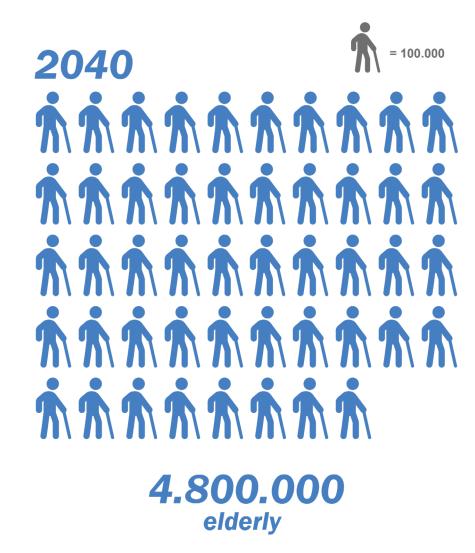
Percentage gemeenten dat een probleem noemt





Public space

Ageing population
Quality of life
Age-friendly framework



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Grootste problemen op de woningmarkt

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Nieuw

Ouderen mijden uitjes vanwege gebrek aan openbare toiletten: 'Senioren worden gespannen'

De helft van de ouderen slaat weleens een dagje uit over omdat er te weinig openbare toiletten zijn in Nederland. Dat blijkt uit onderzoek van het Nationale Seniorenpanel. De ouderen geven Nederlandse openbare wc's daarnaast een dikke onvoldoende: een 4,5.

Sanne Schelfaut 13 maart 2025, 08:46



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Deel dit artikel:

Ann Peuteman
Redactrice bij knack • 16-08-2024, 11:00 • Bijgewerkt op: 16-08-2024, 1243 •

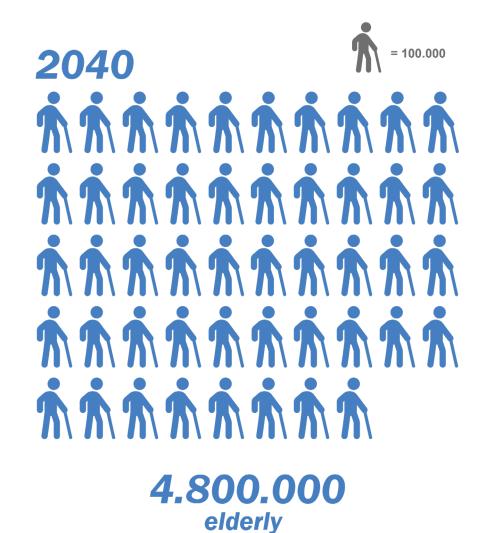


Veel ouderen zonder sociaal netwerk ongerust: 'Wie zorgt voor mij als het nodig is?'

Ouderen zullen vaker een beroep moeten doen op hun kinderen. Maar wa als je geen kinderen hebt en je sociale netwerk klein is? Wie zorgt er dan voor jou? Het baart ouderen zorgen. Toch zijn er mogelijkheden, zeggen experts. "Er is genoeg, het is alleen een oerwoud en bijna niet te vinden."

Ellen van Gaalen 24-01-25, 16:00 Laatste update: 24-01-25, 16:22

Ageing population
Quality of life
Age-friendly framework



Woningmarkt

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Eva Hulsc 16 september 2024, 12:02 • Aangepast 16 september 2024, 18:15

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Sanne Schelfaut 13 maart 2025, 08:46





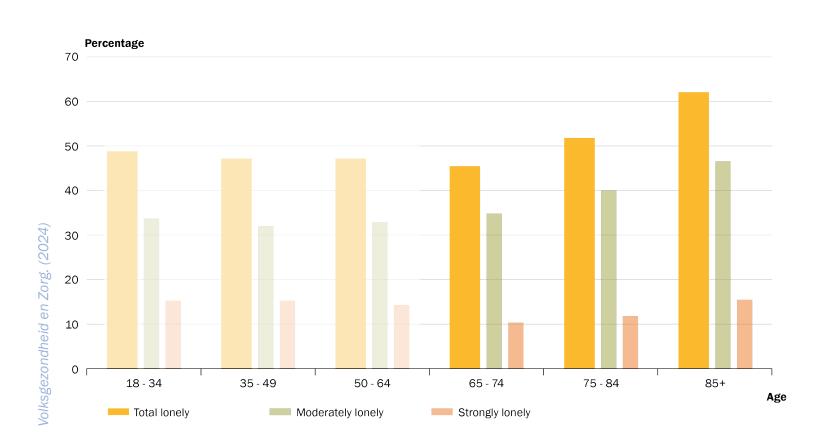
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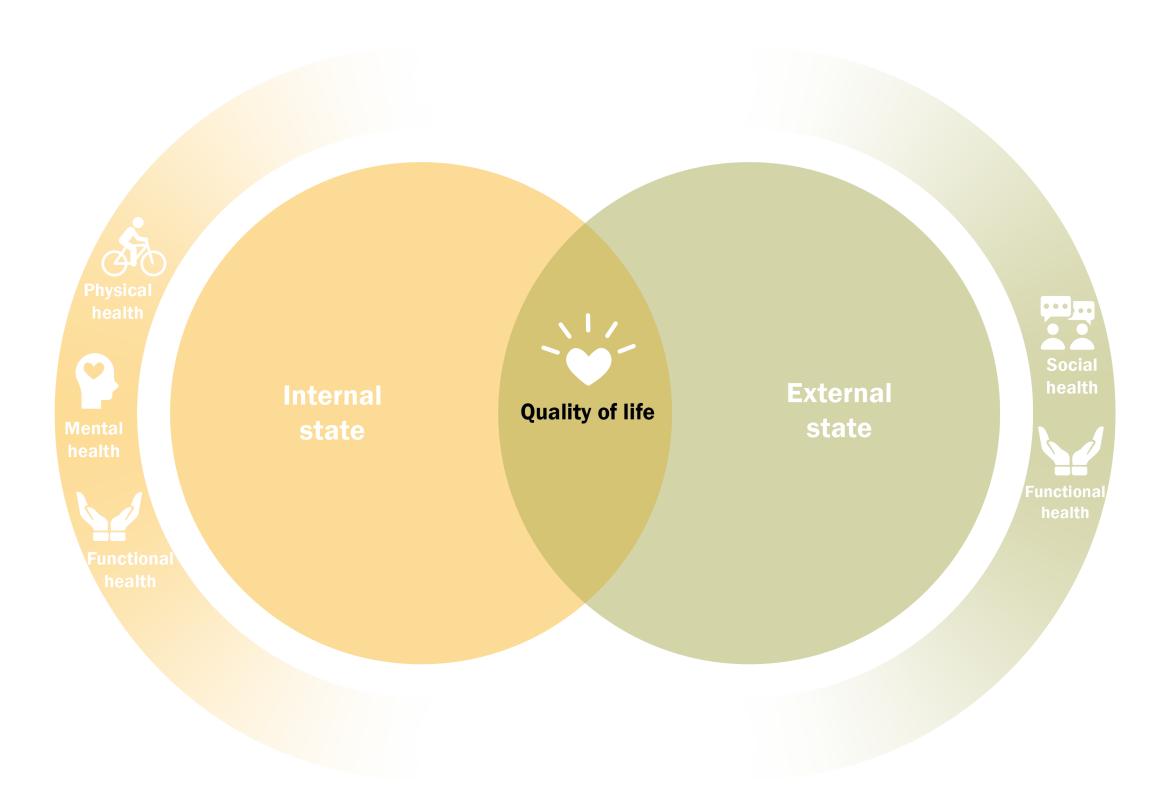
Ann Peuteman
Redactrice bij Knack • 16-08-2024, 11:00 • Bijgewerkt op: 16-08-2024, 12:43 •



Ageing population
Quality of life
Age-friendly framework

Quality of life

The relationship between how an individual views their internal and external state.



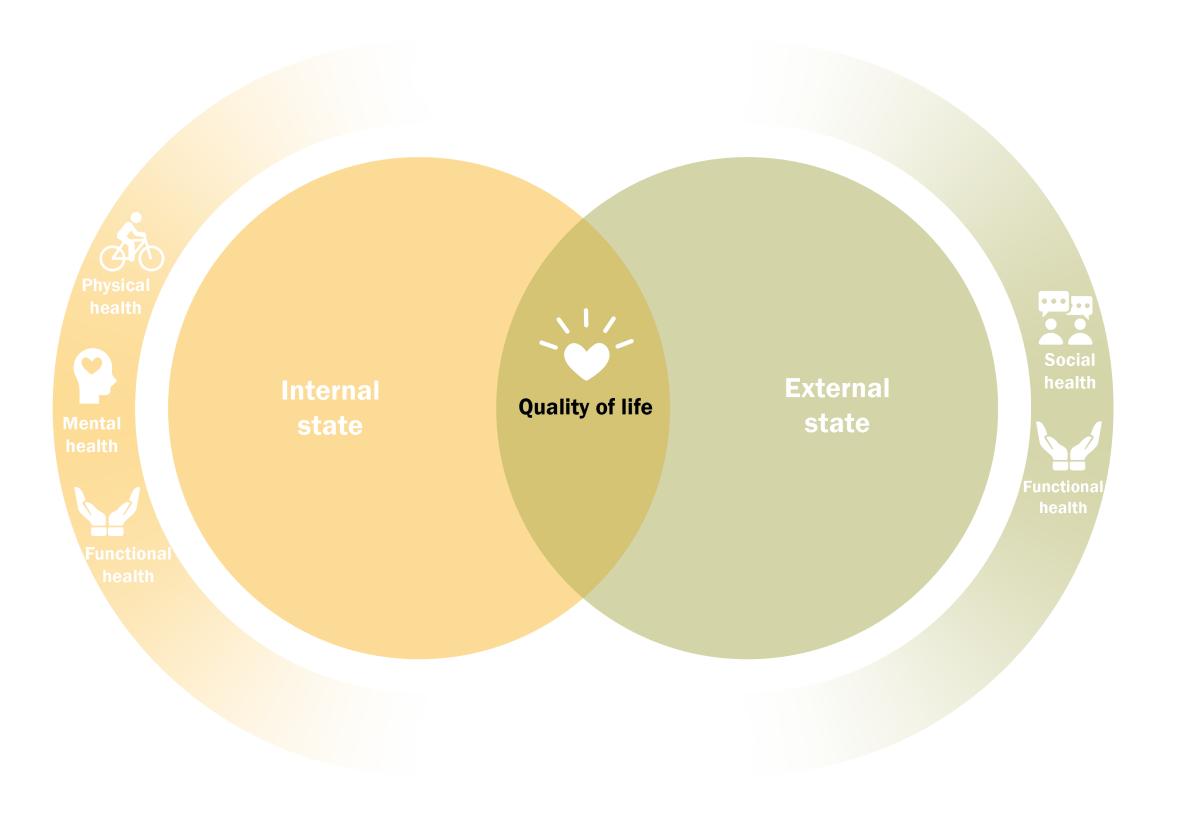
Ageing population

Quality of life

Age-friendly framework

Quality of life

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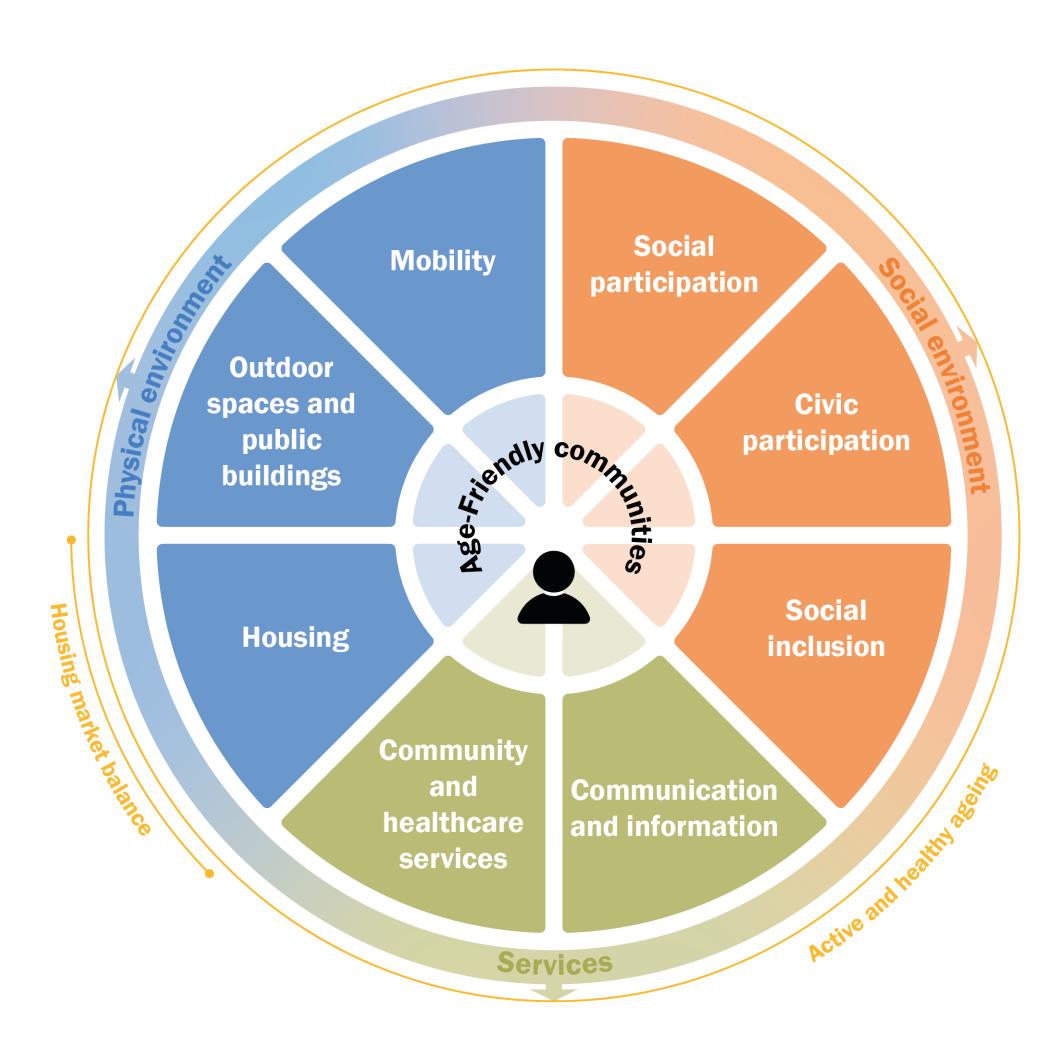
Active and healthy ageing

An individual's opportunity to continue to participate in a community beyond employment or physical activity and maintain their functional ability as they age.

Ageing population
Quality of life
Age-friendly framework

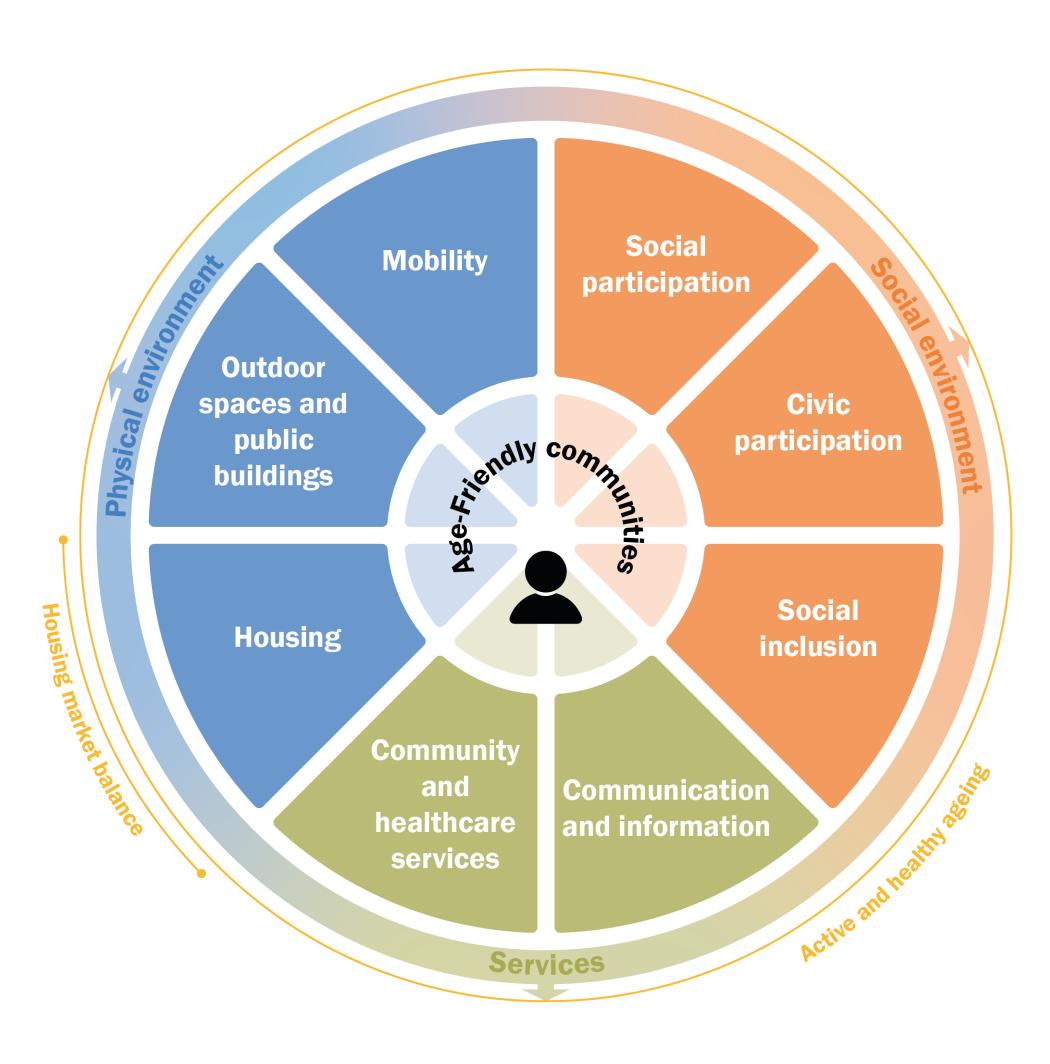
Age-friendly community (AFC)

A community that presents a supportive environment for active and healthy ageing, where people can age in place and maintain a high quality of life.



Ageing population
Quality of life
Age-friendly framework

"How could **age-friendly** spatial planning and strategy in Dutch cities support **active and healthy ageing** for elderly and contribute to a more balanced **housing market**?"



Ageing population
Quality of life
Age-friendly framework

Pattern language

Methodology Age-friendly pattern set Patttern examples

Pattern Language

Methodology
Age-friendly pattern set
Pattern examples

A PATTERN LANGUAGE

TOWNS . BUILDINGS . CONSTRUCTION

Christopher Alexander

Sara Ishikawa Murray Silverstein

with

Max Jacobson Ingrid Fiksdahl-King Shlomo Angel

NEW YORK

OXFORD UNIVERSITY PRESS

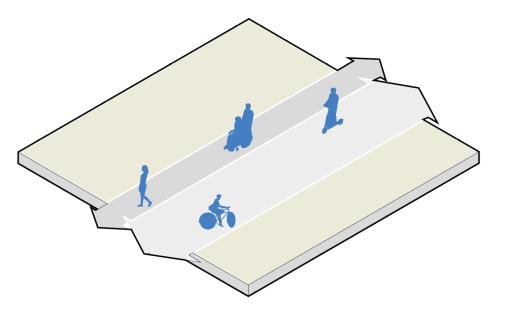
1977

M5

50

INFRASTRUCTURE FOR WALKING AND BIKING

A good infrastructure supporting active mobility for walking and cycling allows elderly to stay active and independent.



related to:

M2, M6, M7, M8, M9, M10, M11, M12, M13, P1, P4, P9, P10, S5

theoretical background

Older adults often rely more on walking and public transportation as their main mode of transport. Active mobility, supported by appropriate infrastructure, is essential for maintaining independence and promoting health (Salmistu & Kotval, 2023). In contrast, the lack of supporting infrastructure, such as unsafe sidewalks with obstacles and crossings with high car speeds, can limit older adults' ability to stay active and in turn accelerate the decline in mobility (ARUP, 2019).

practical implication

Infrastructure that supports active mobility and walkability for older adults includes accessible walkways and bicycle paths, clear street zoning that designates specific areas for different modes of transport, and reduced car speeds in areas where pedestrians and cyclists have priority. Additionally, features that enhance visibility, safety, and encourage are essential in creating walkable and cyclable infrastructures that foster active mobility and independence.

Scale:

object building

> block street

neighbourhood

city

Age-friendly to:

elderly specific children

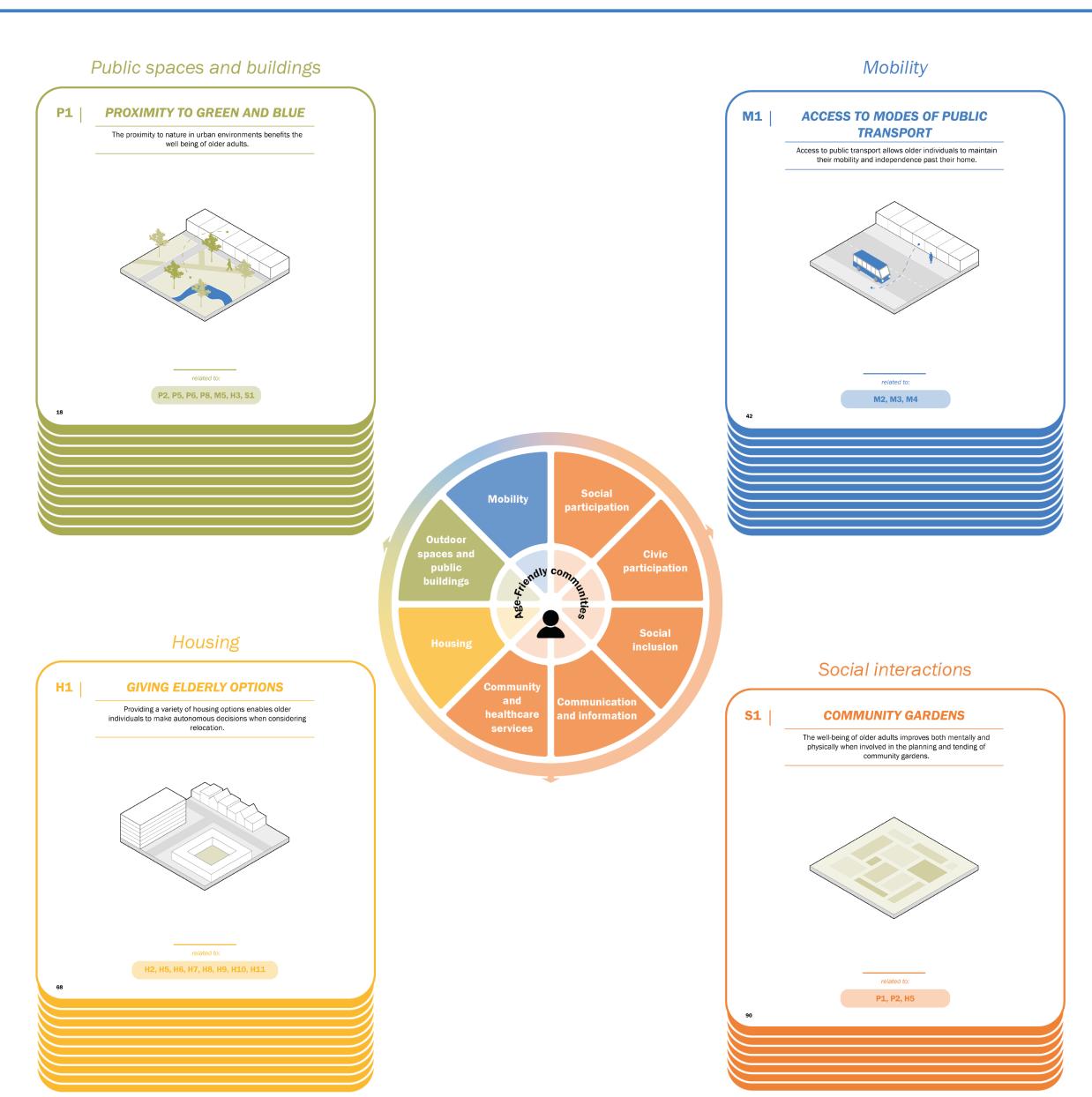
all ages individuals with

declined mobility

51

Pattern Language

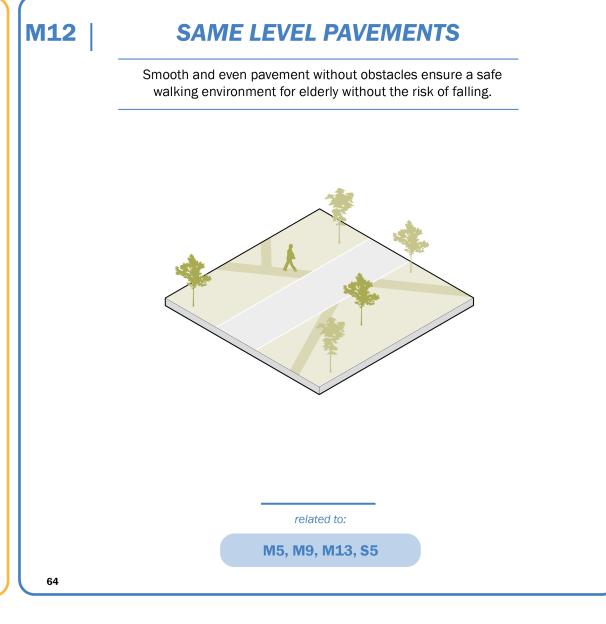
Methodology
Age-friendly pattern set
Pattern examples

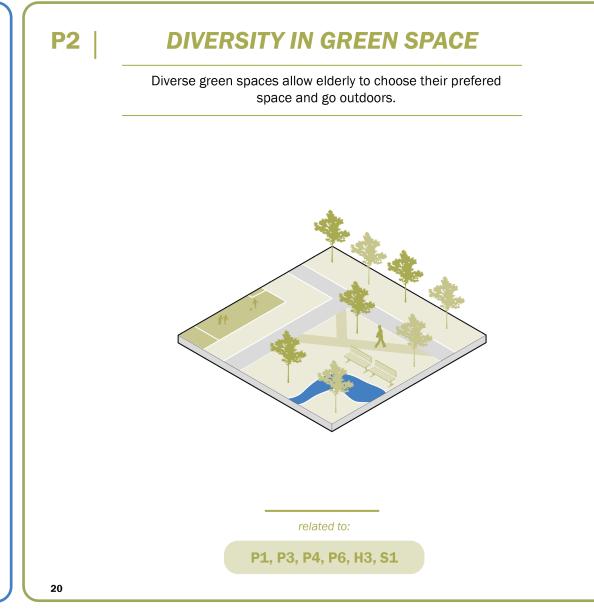


Pattern Language

Methodology
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Pattern examples









Building

Street

Neighbourhood

City

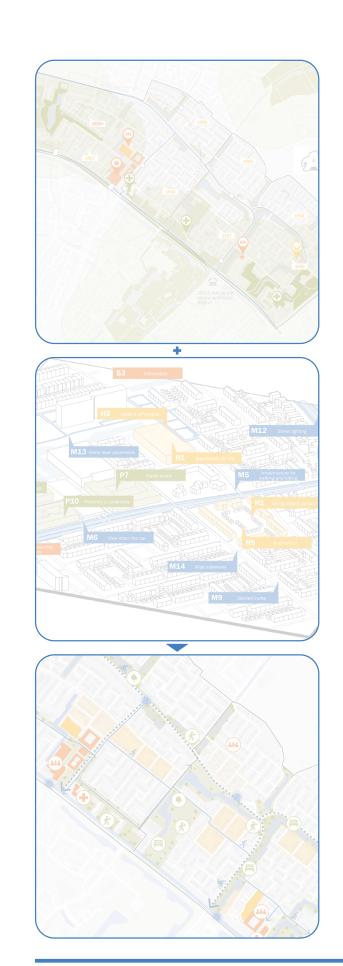
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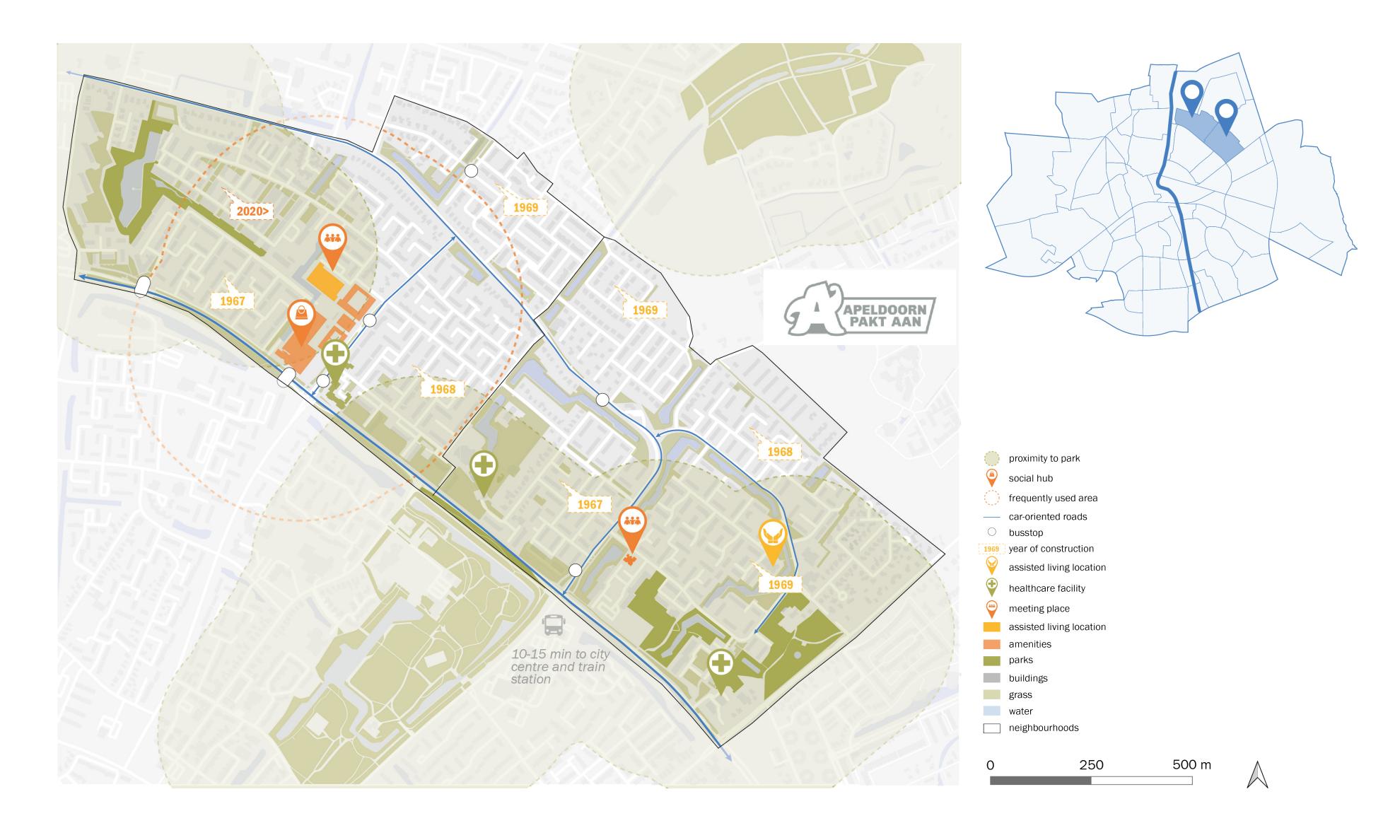
Pattern language

Methodology Age-friendly pattern set Patttern examples *Implementation*

Assessment

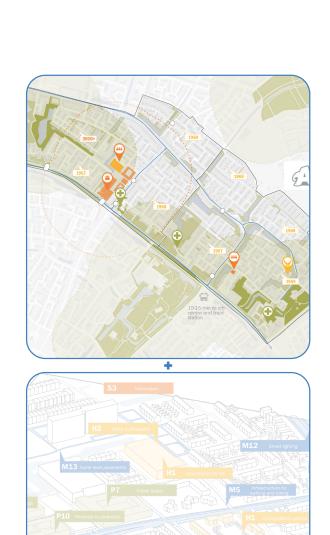
Vision Future possibilities



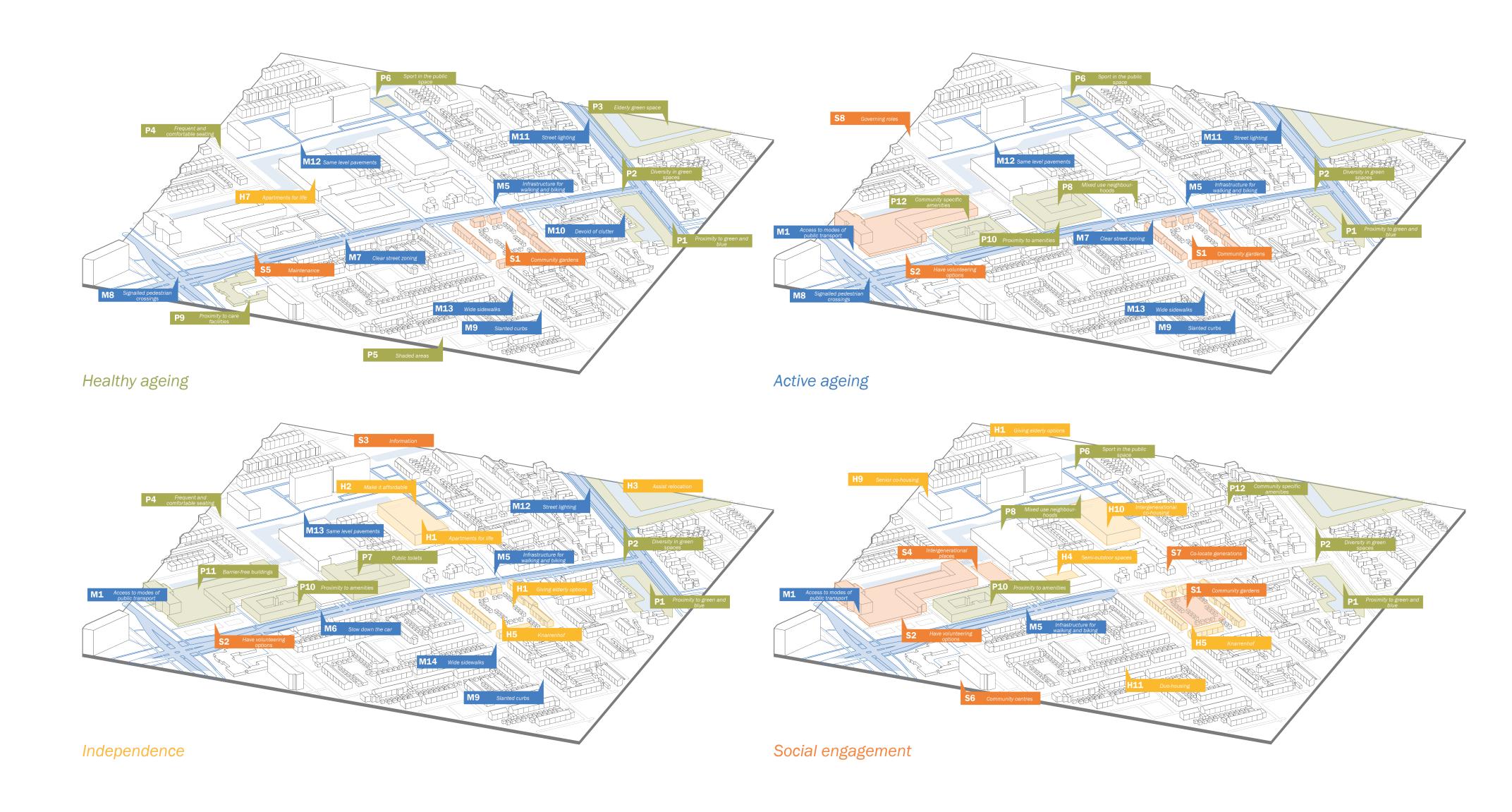


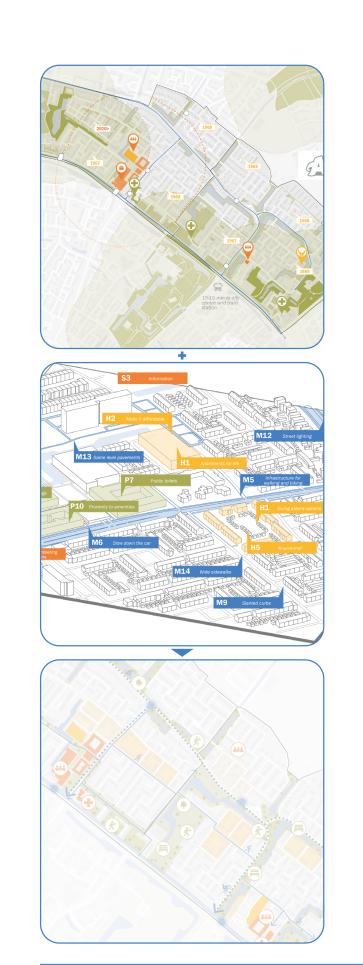
Assessment Vision

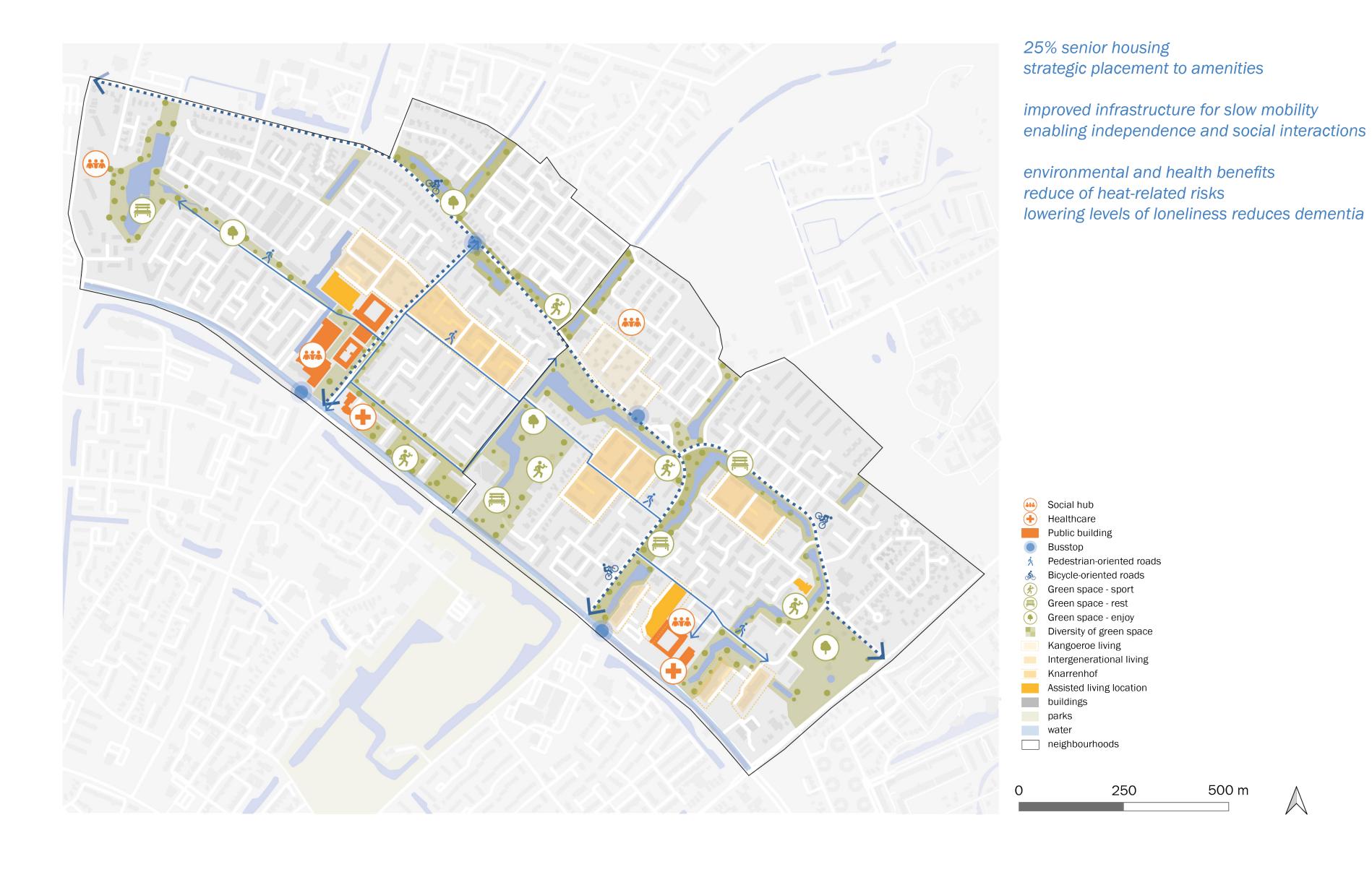
Future possibilities

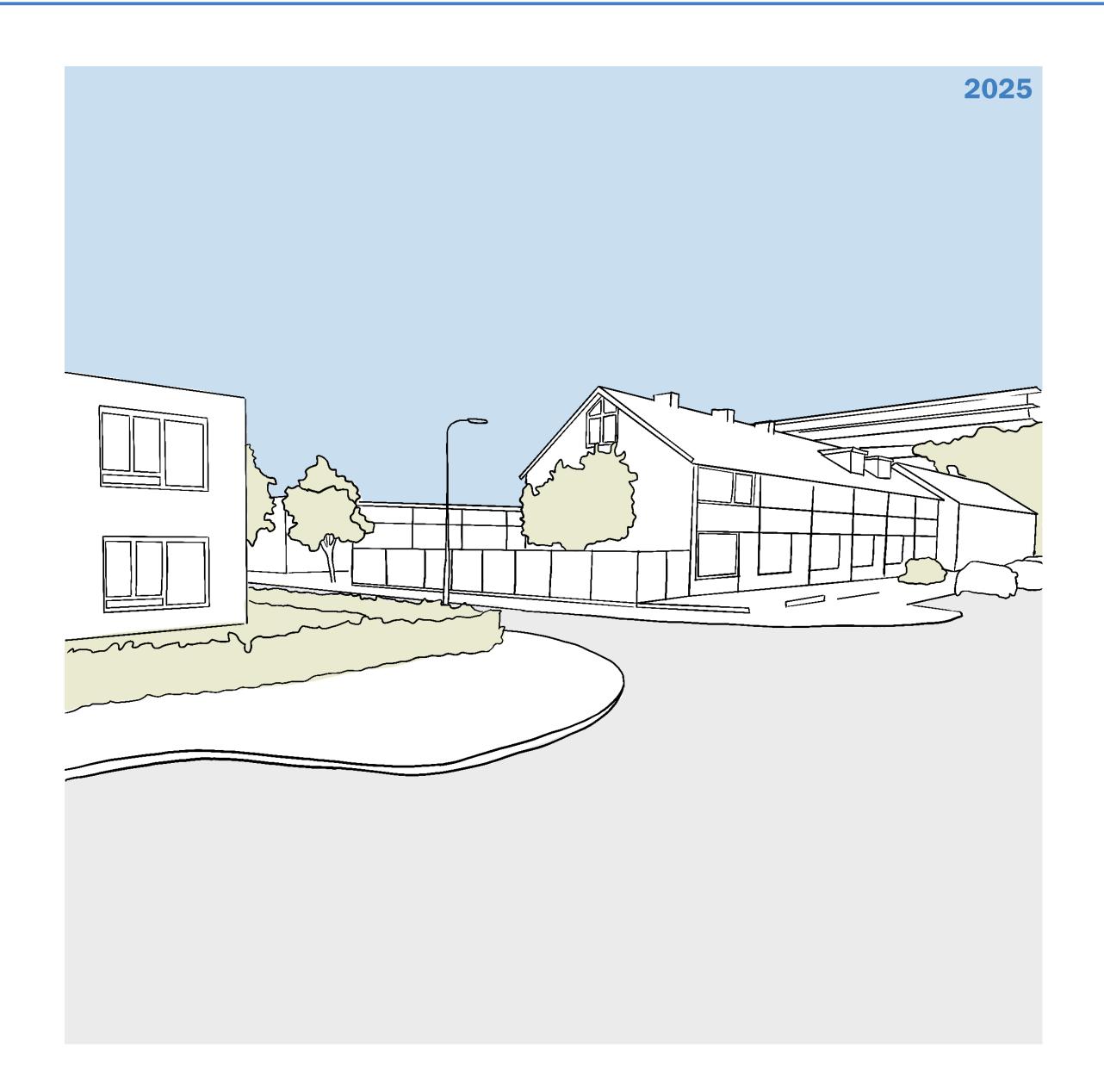






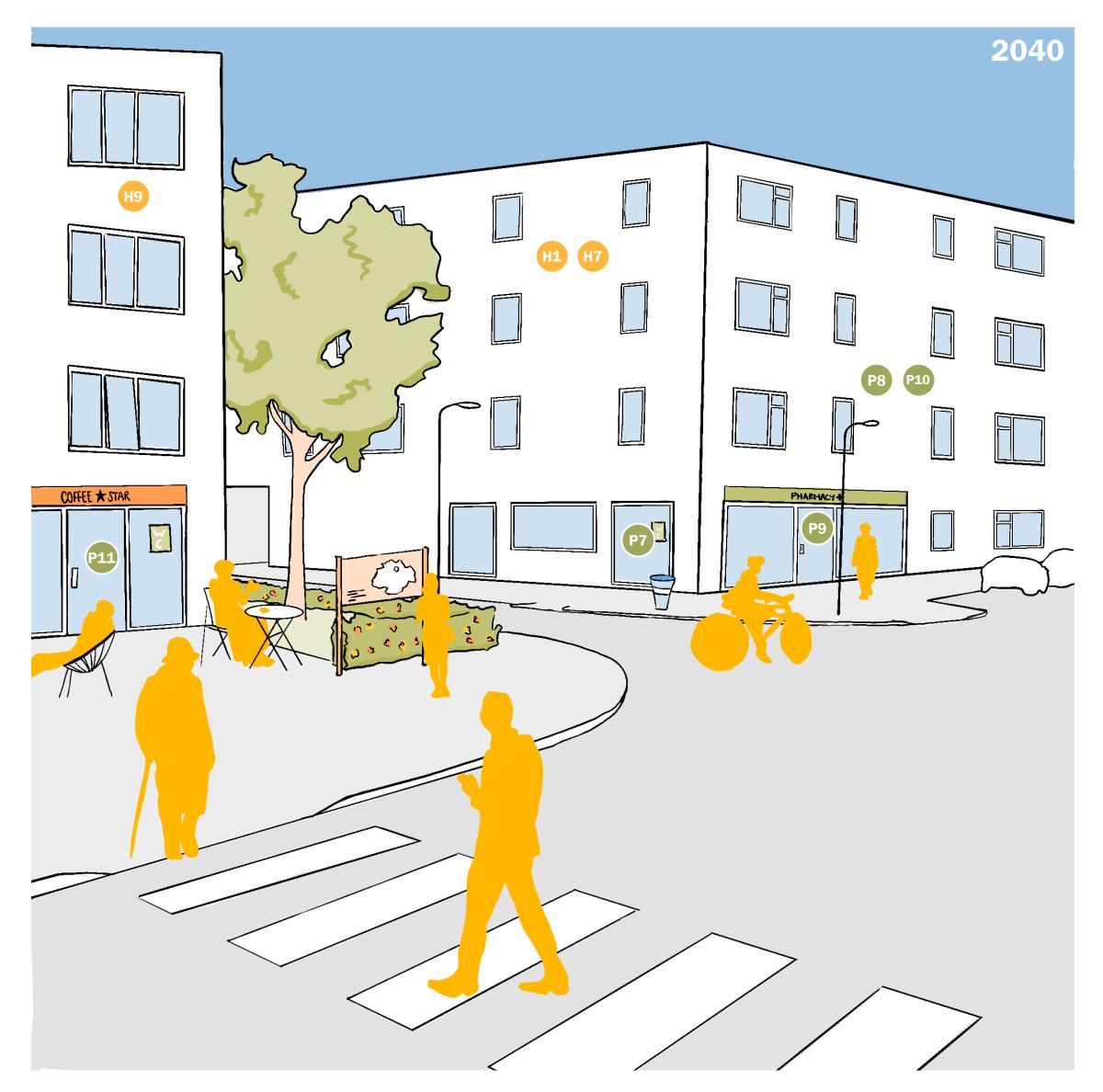


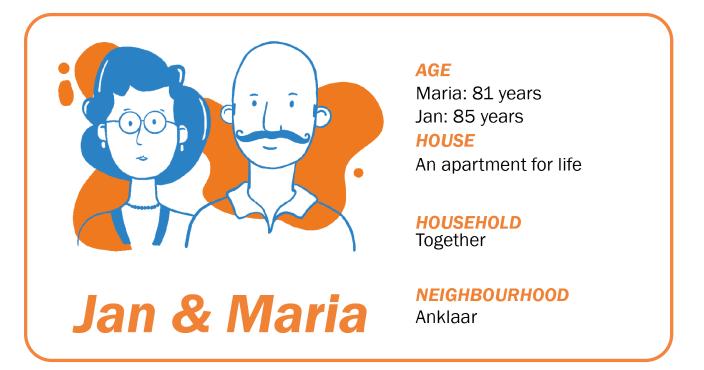


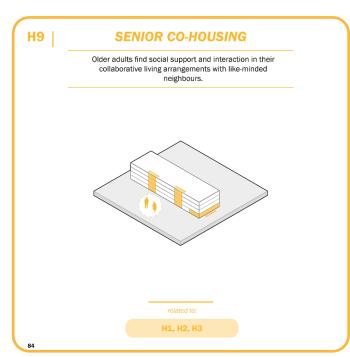


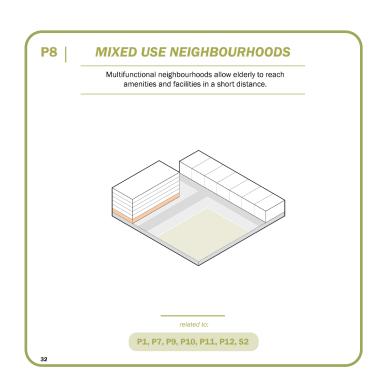


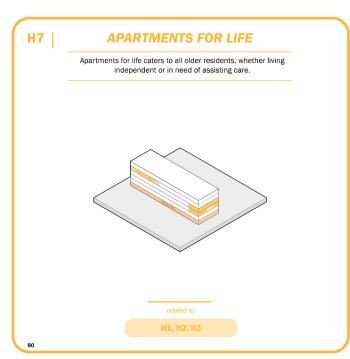


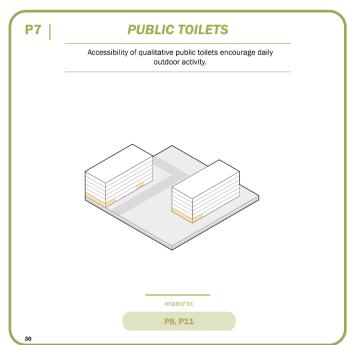




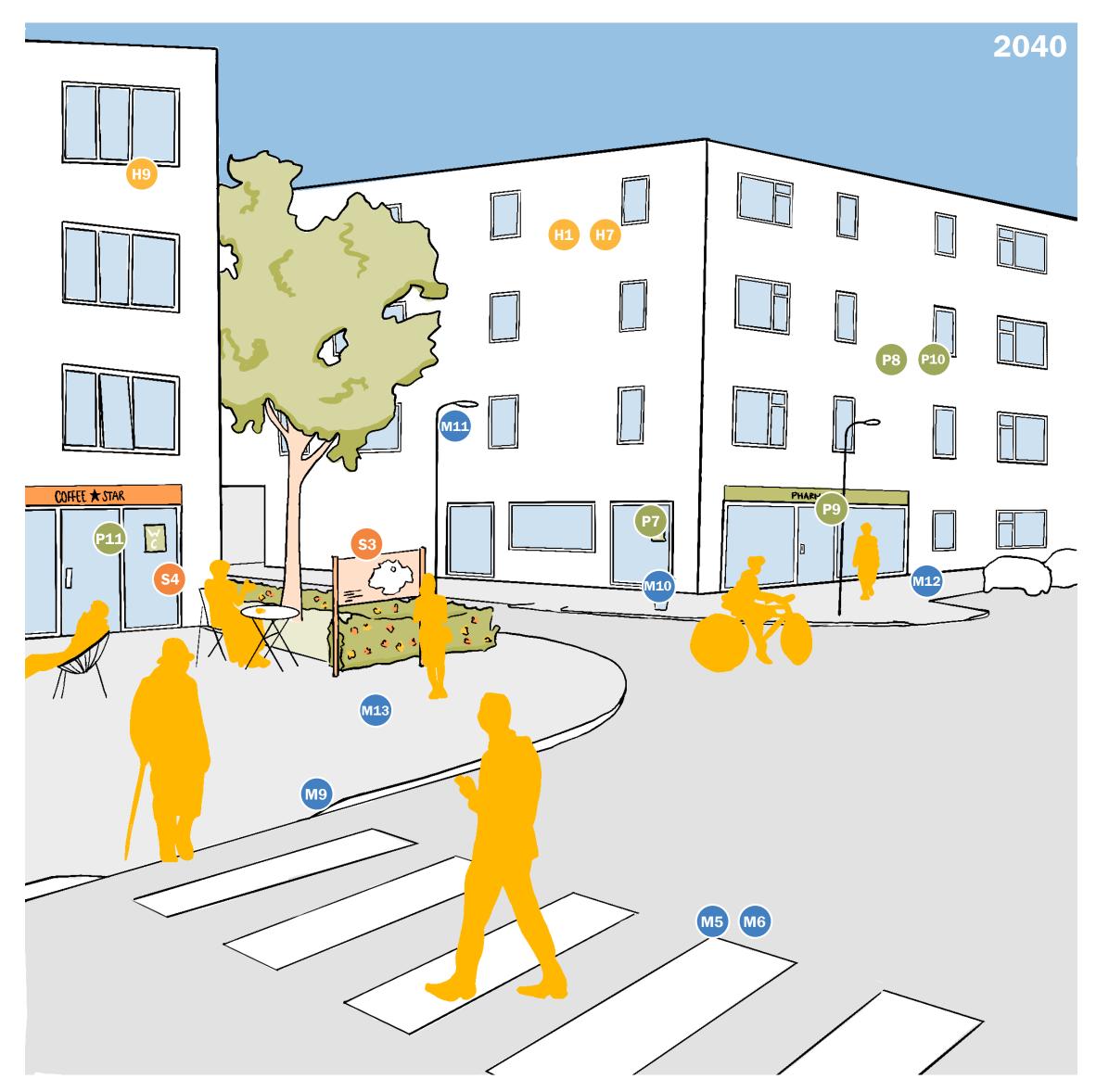


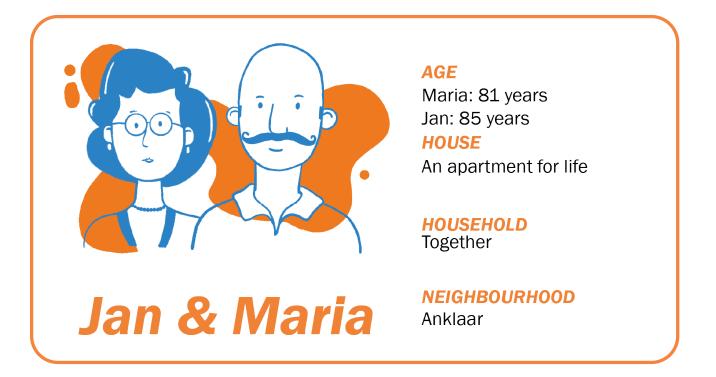


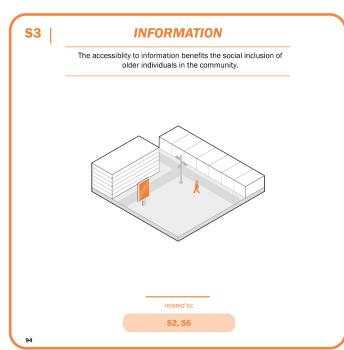


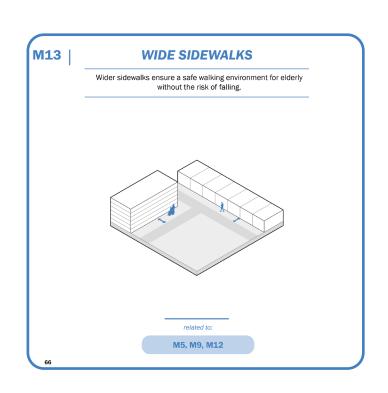








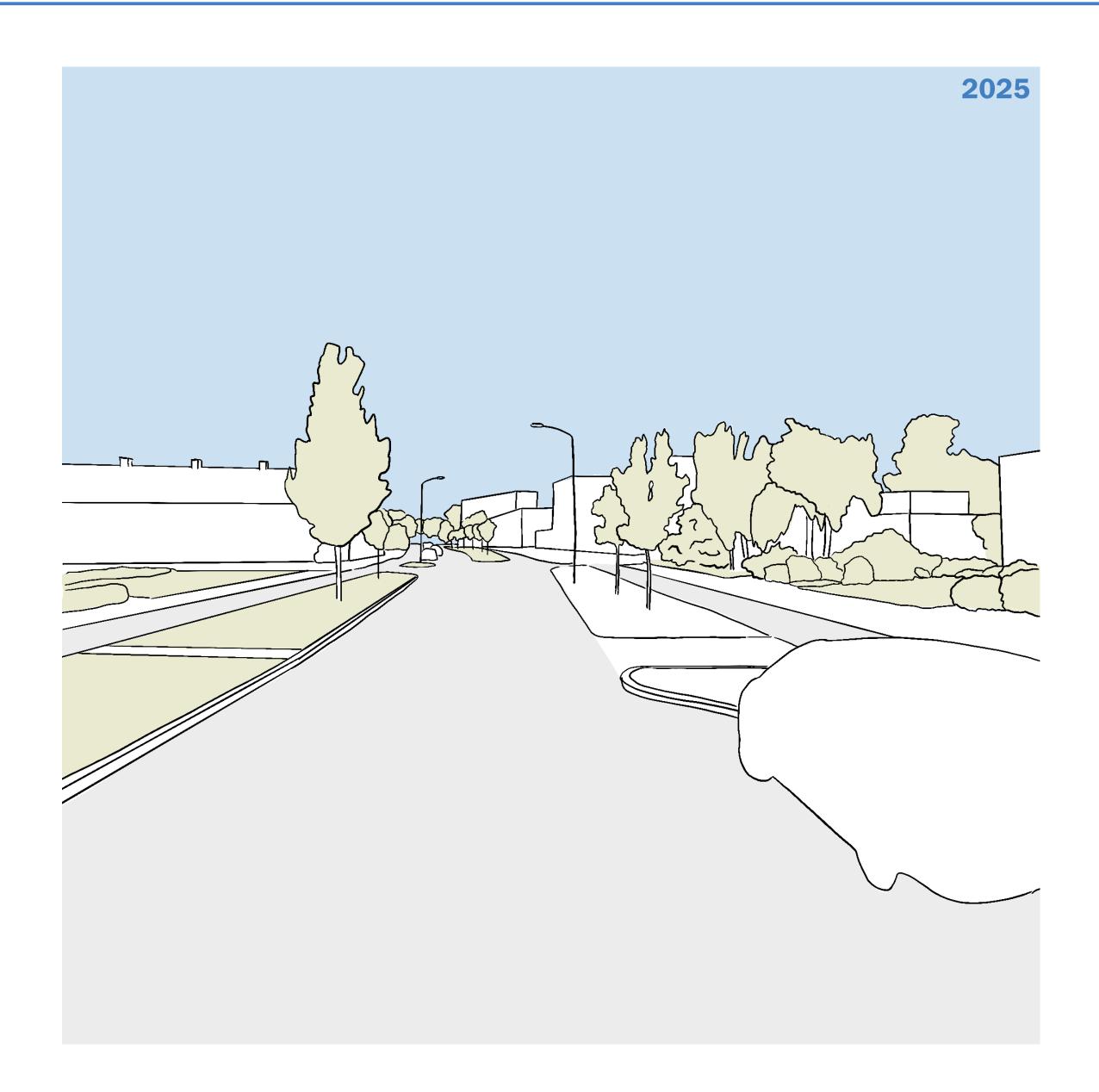








Assessment Vision Future possibilities





AGE 69 years

HOUSE

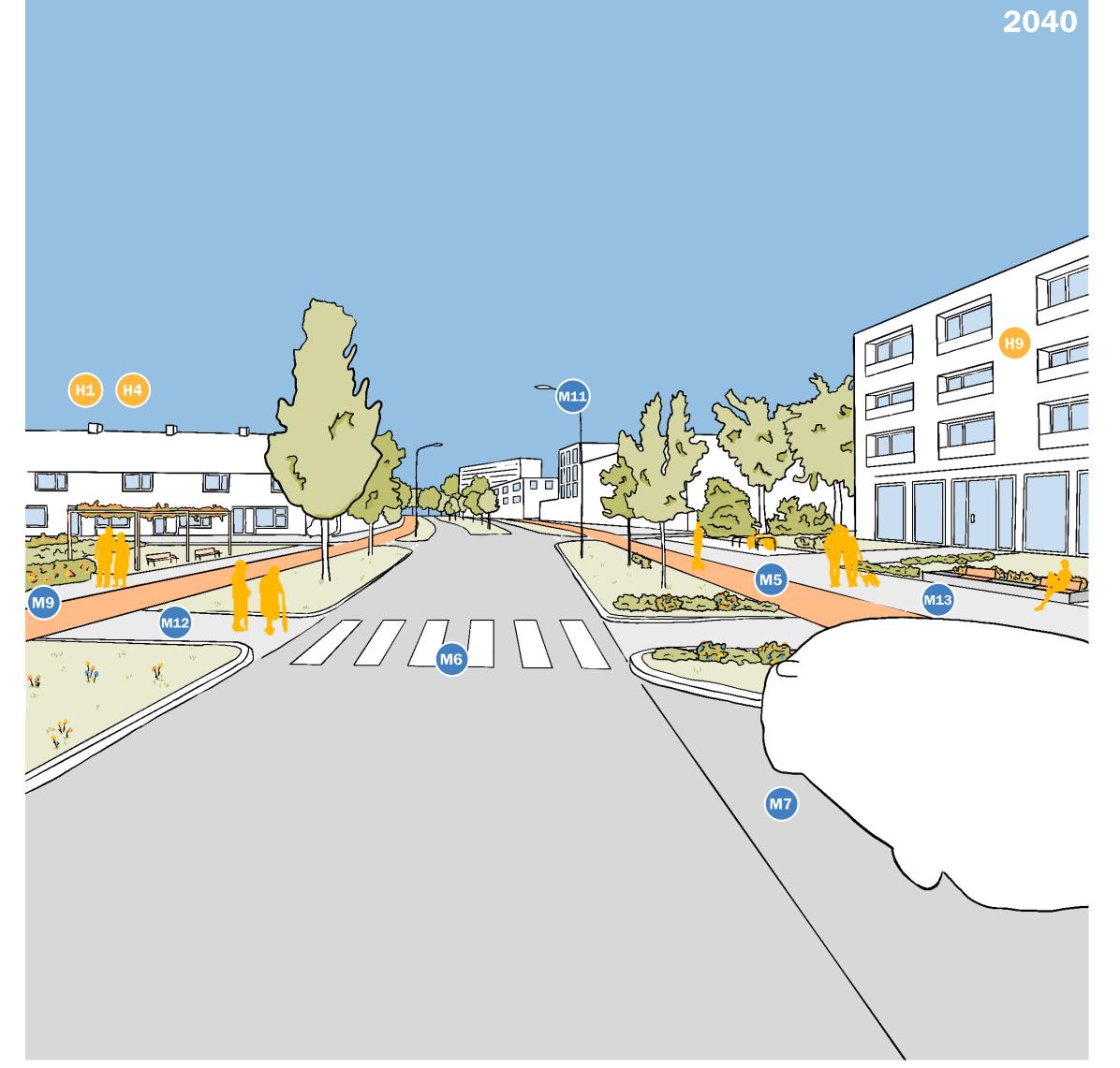
A seniorcomplex apartment

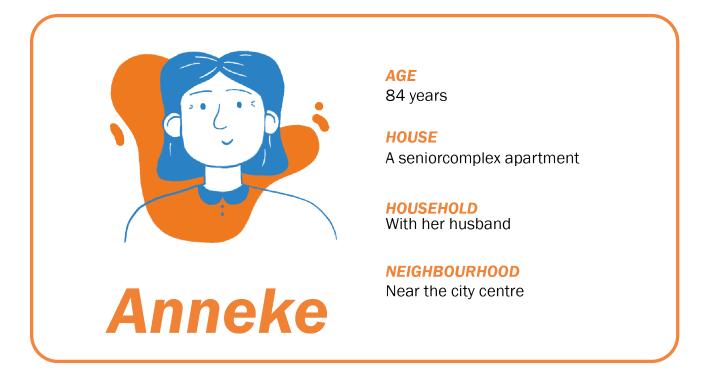
HOUSEHOLDWith her husband

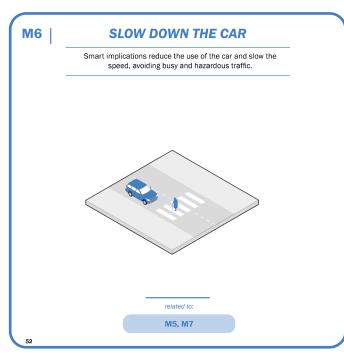
NEIGHBOURHOOD

Near the city centre



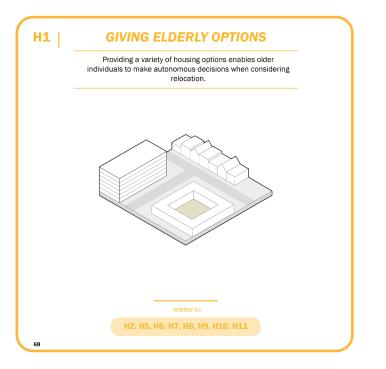




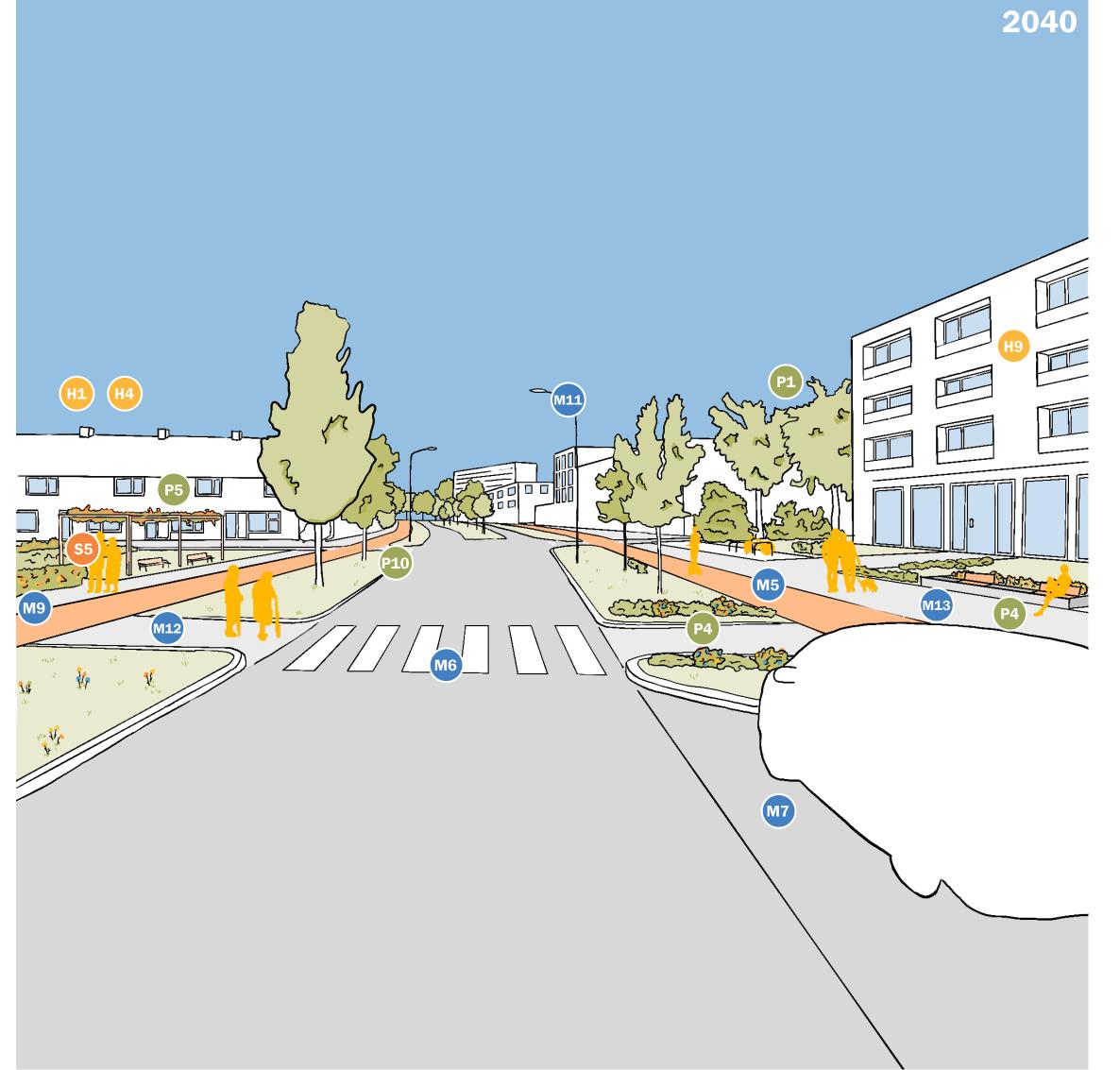


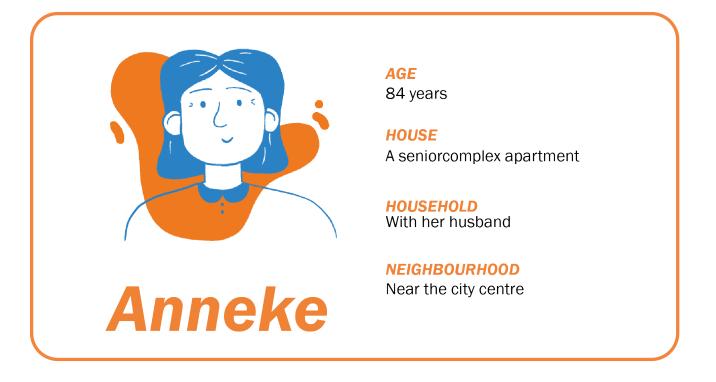






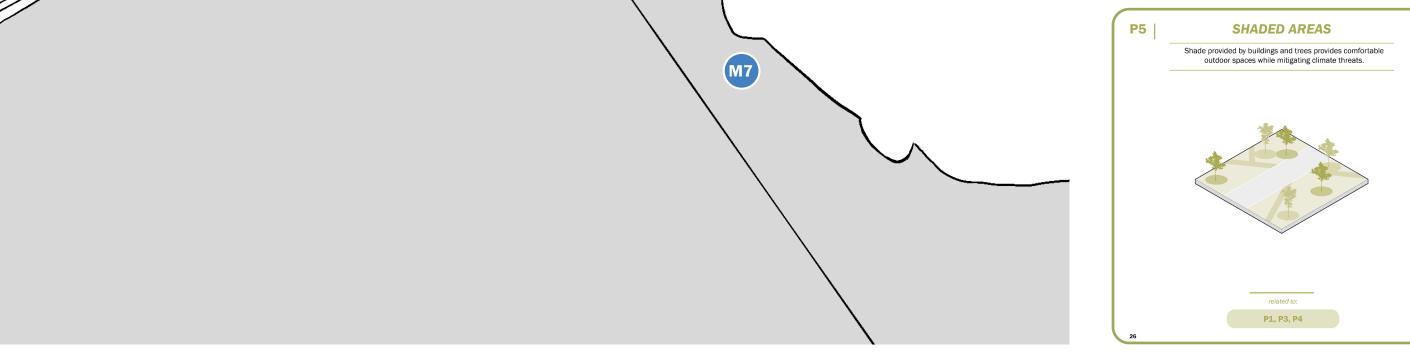






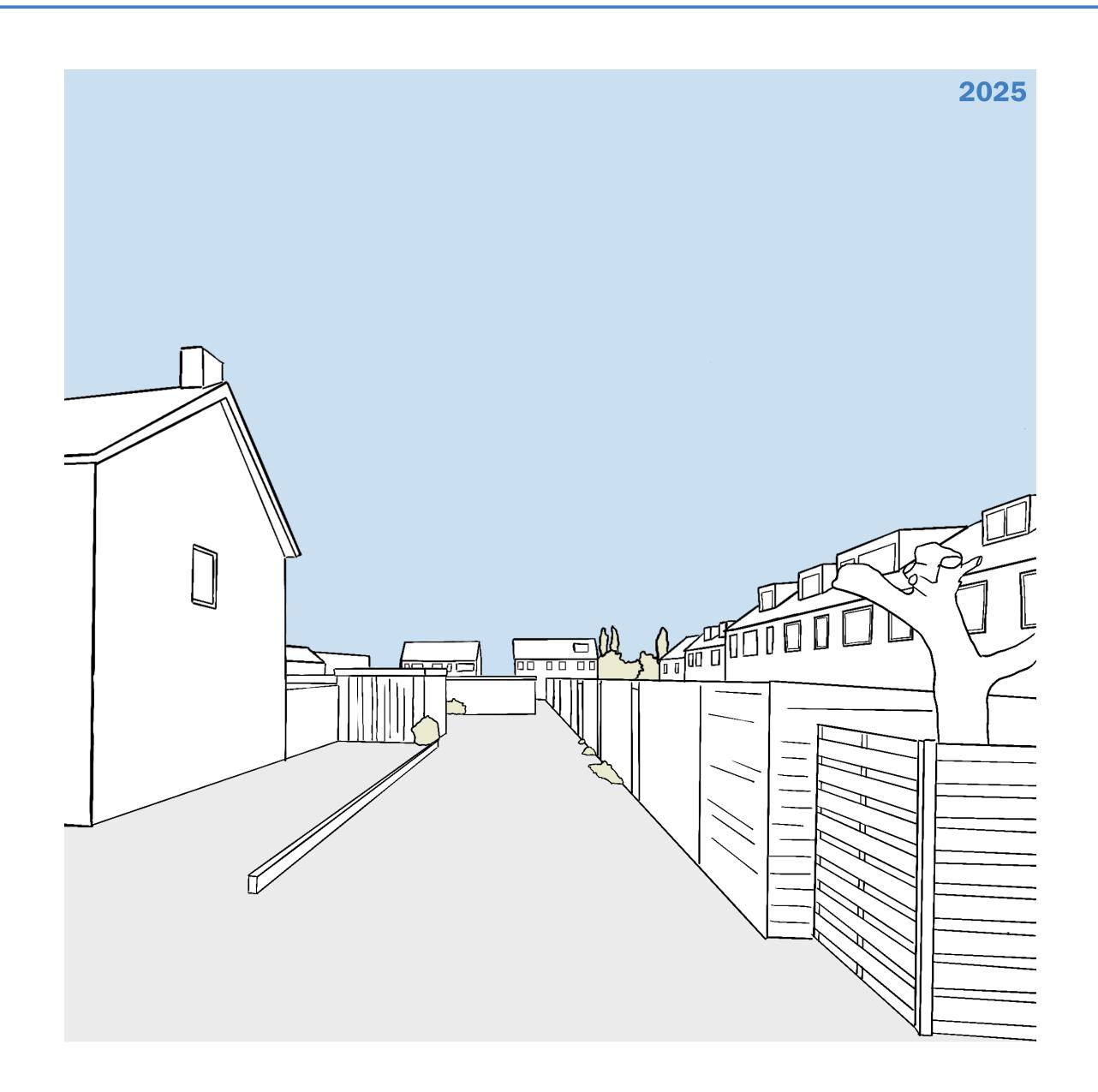








Assessment Vision Future possibilities





AGE 66 years

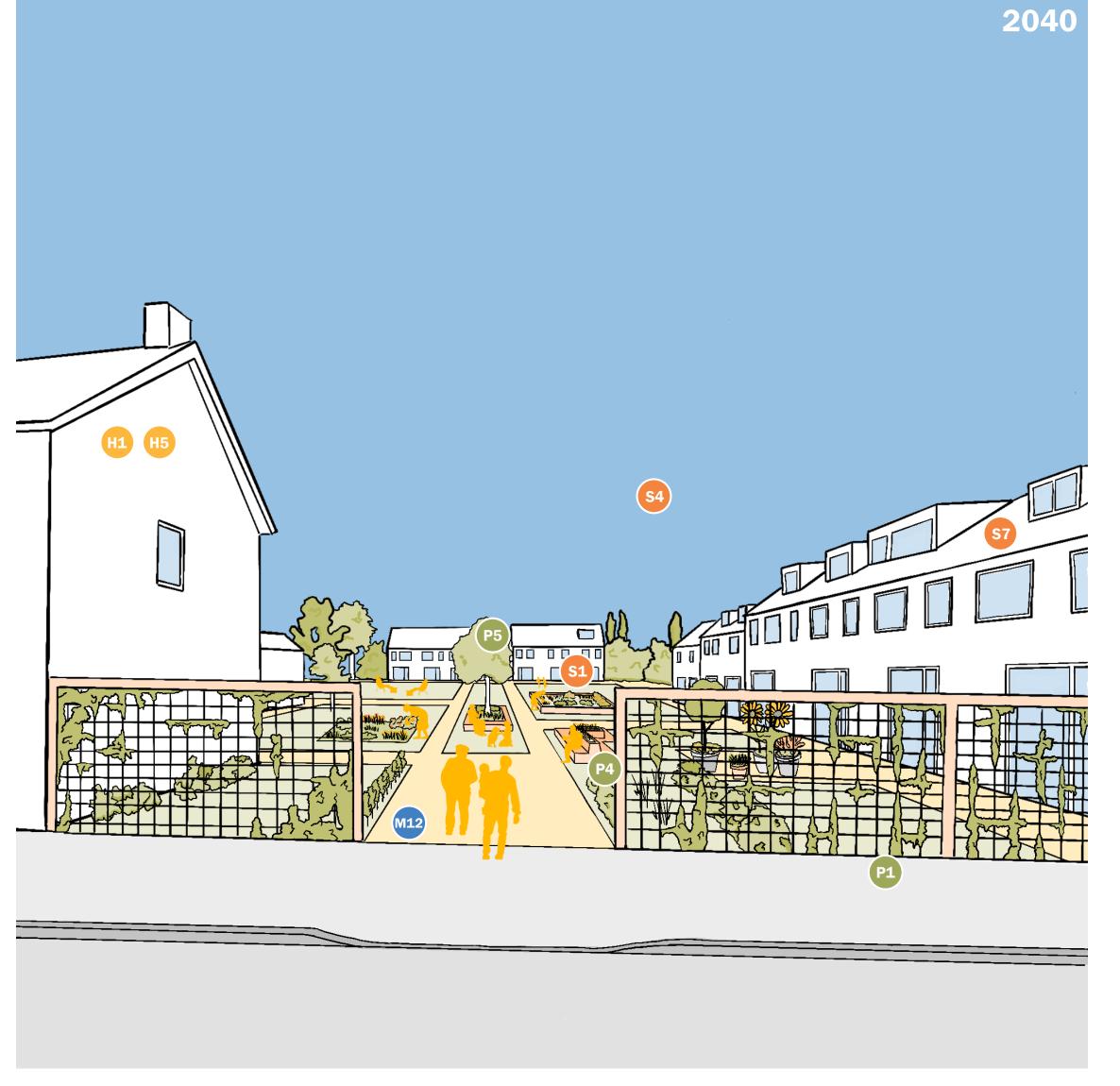
HOUSE

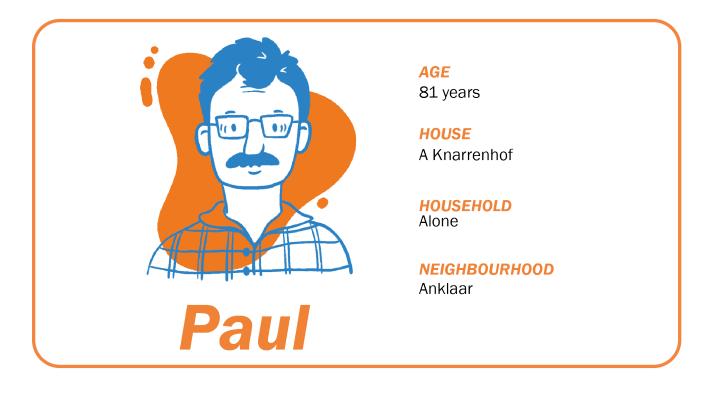
A rental terraced house

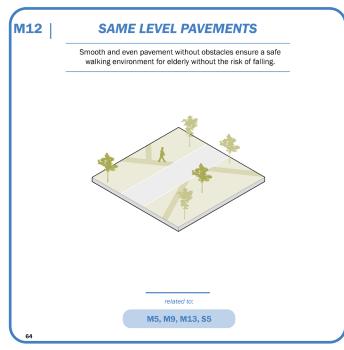
HOUSEHOLD Alone

NEIGHBOURHOOD Anklaar

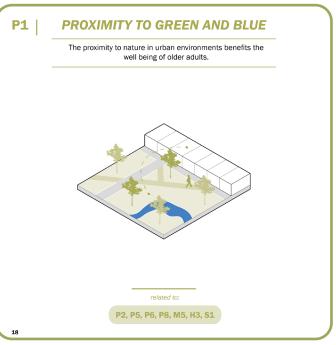


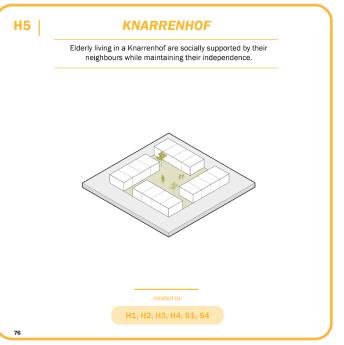














Assessment Vision Future possibilities





AGE Sandra: 61 years Dirk: 55 years HOUSE

A rental terraced house

HOUSEHOLD Together

Sandra & Dirk Town Teuge

Ageing population
Quality of life
Age-friendly framework

Pattern language

Methodology Age-friendly pattern set Patttern examples Implementation

Assessment
Vision
Future possibilities

Conclusion

Research question
Transferability and limitations

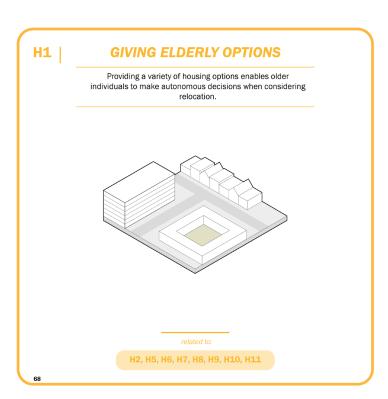
Research question Transferability and limitations

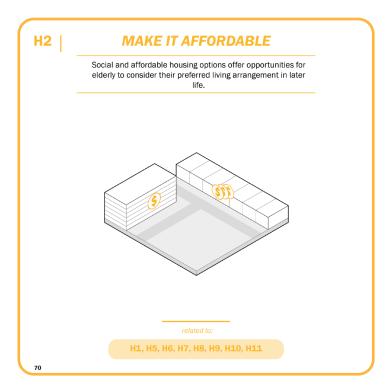
"How could **age-friendly** spatial planning and strategy in Dutch cities support **active and healthy ageing** for elderly and contribute to a more balanced **housing market**?"

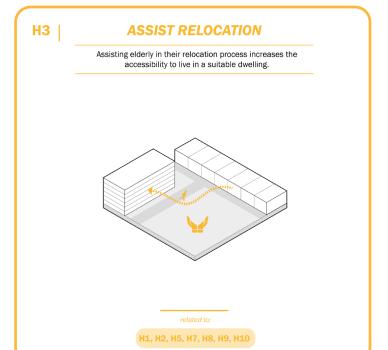
Age-friendly spatial planning and strategy in Dutch cities is highly context-dependent, but through the pattern language provides a means to enhance quality of life for older adults by supporting active and healthy ageing and enabling suitable housing options for ageing in place. In doing so, it not only improves the quality of life of the elderly, but also contributes to unlocking housing for younger generations, offering a pathway toward a more balanced housing market.

Research question Transferability and limitations





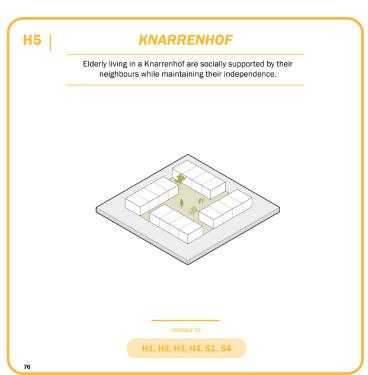




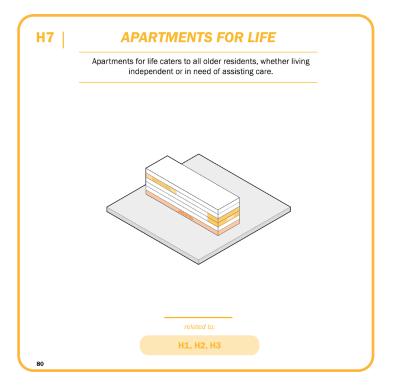
rehousing chain up to 5 relocations

not seen as a solution but as an intermediate goal to a well-functioning housing market.



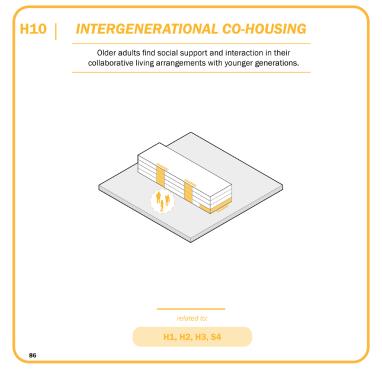














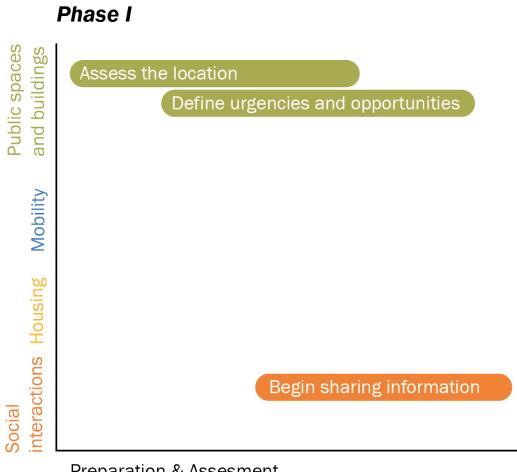
Research question Transferability and limitations

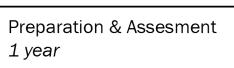
selection, prioritisation, and application

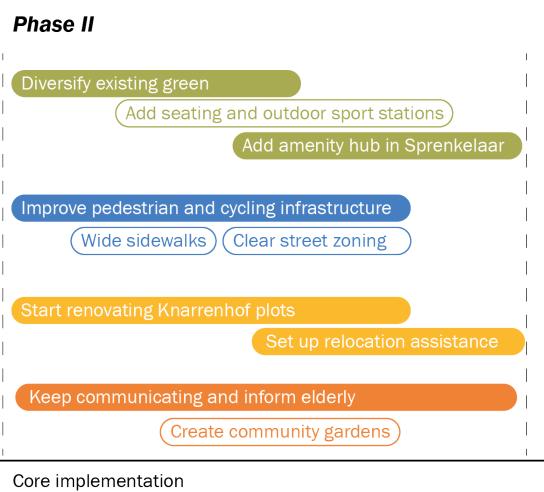




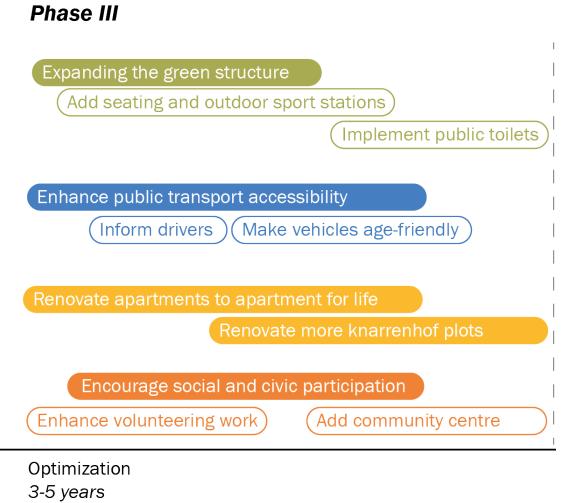


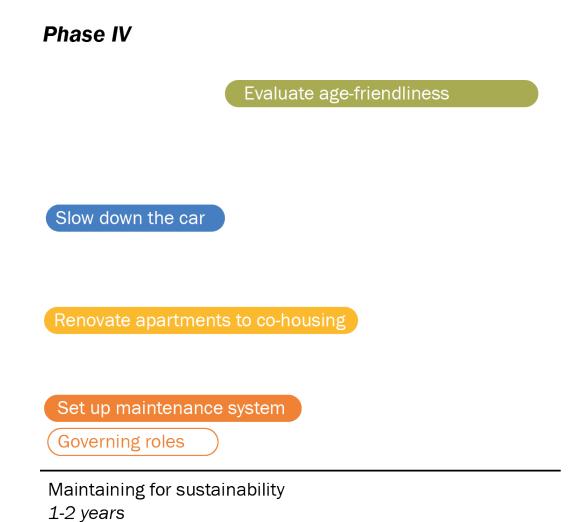






3-5 years

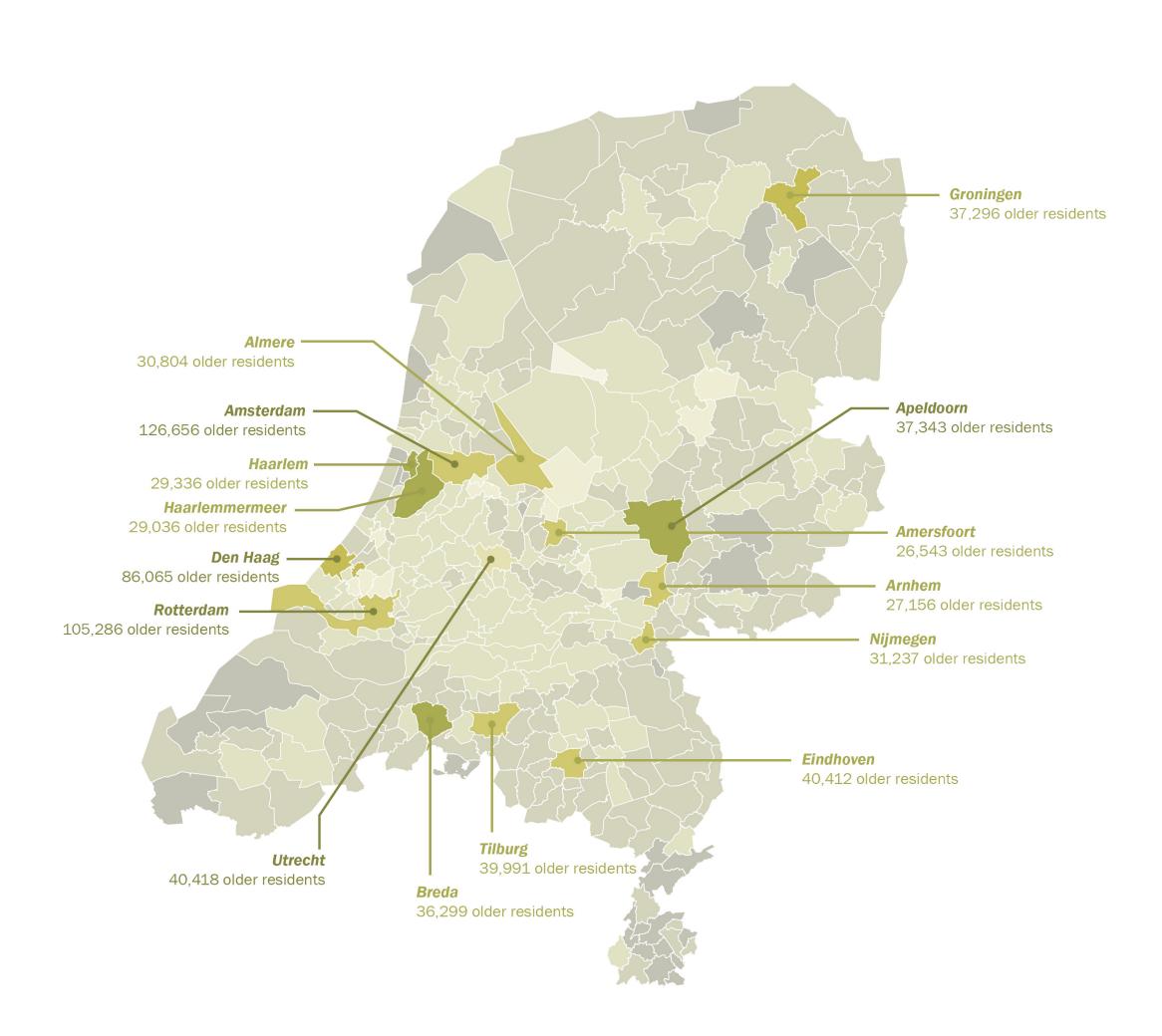




Research question
Transferability and limitations

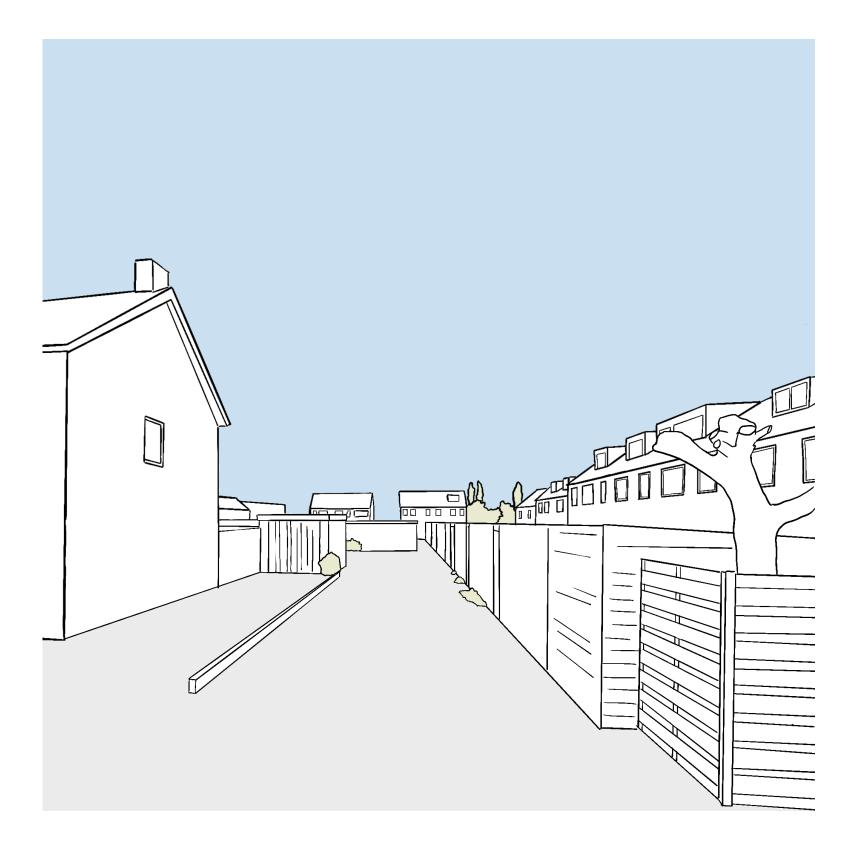
global value post-war neighbourhood example

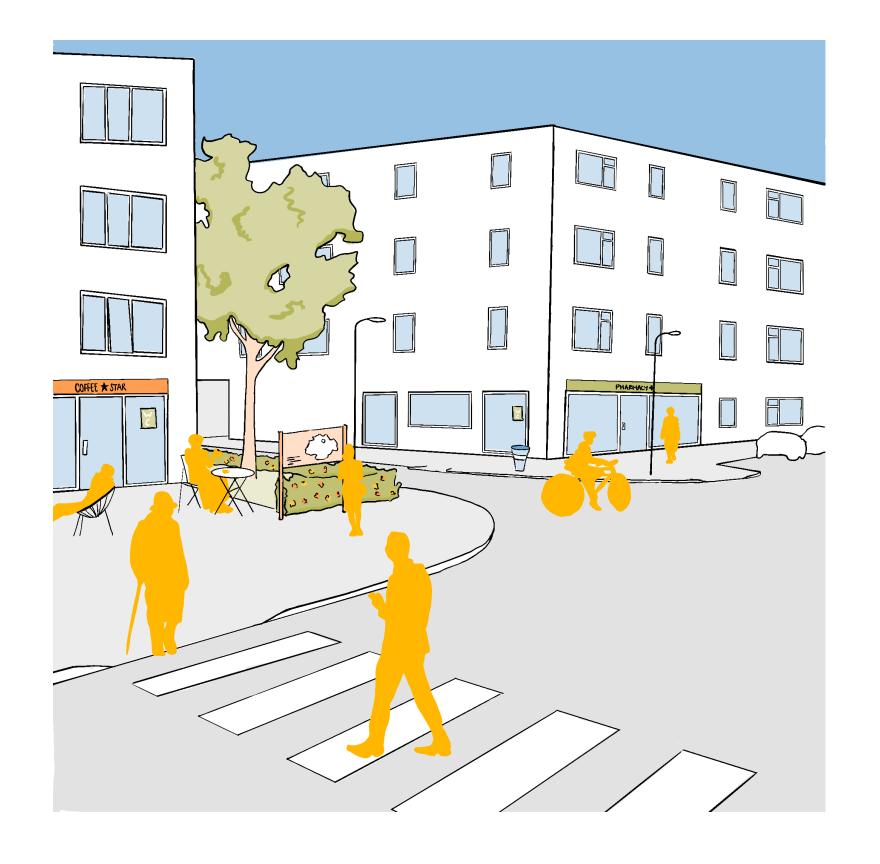
interdisciplinary nature prescribe or impose specific lifestyles



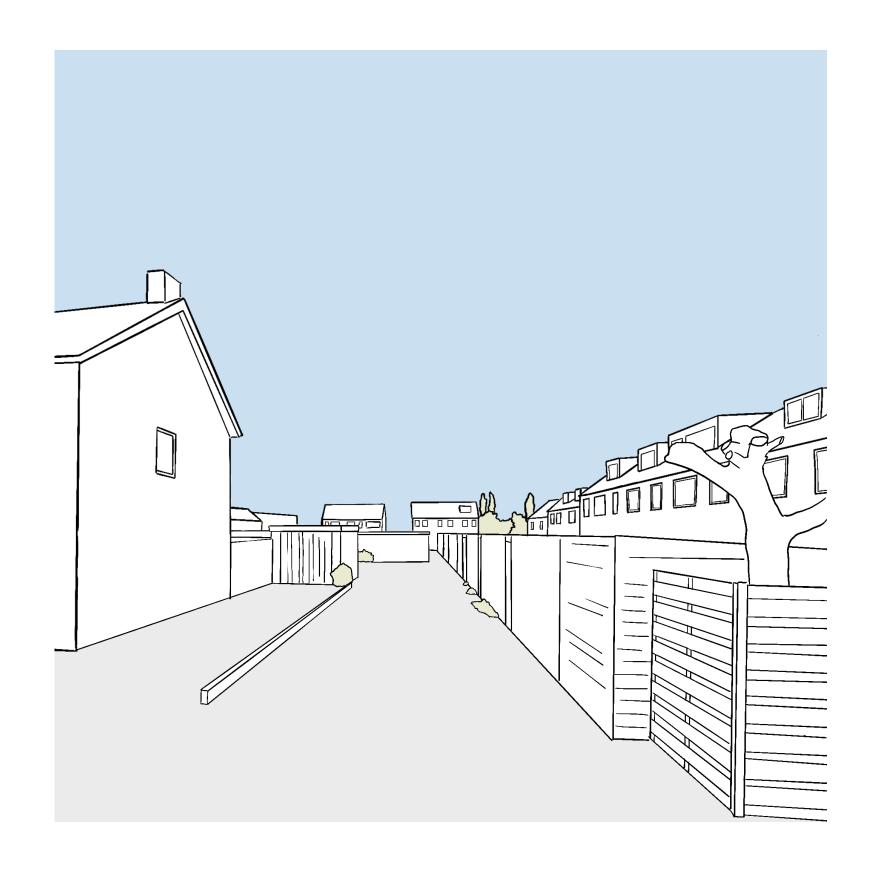


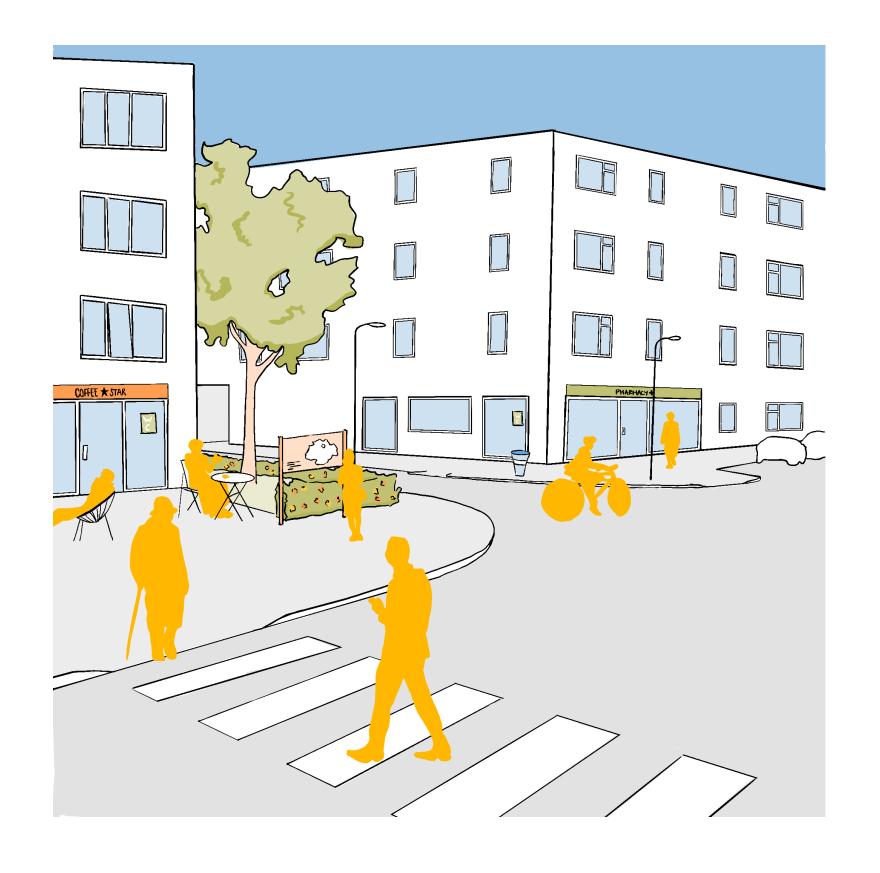




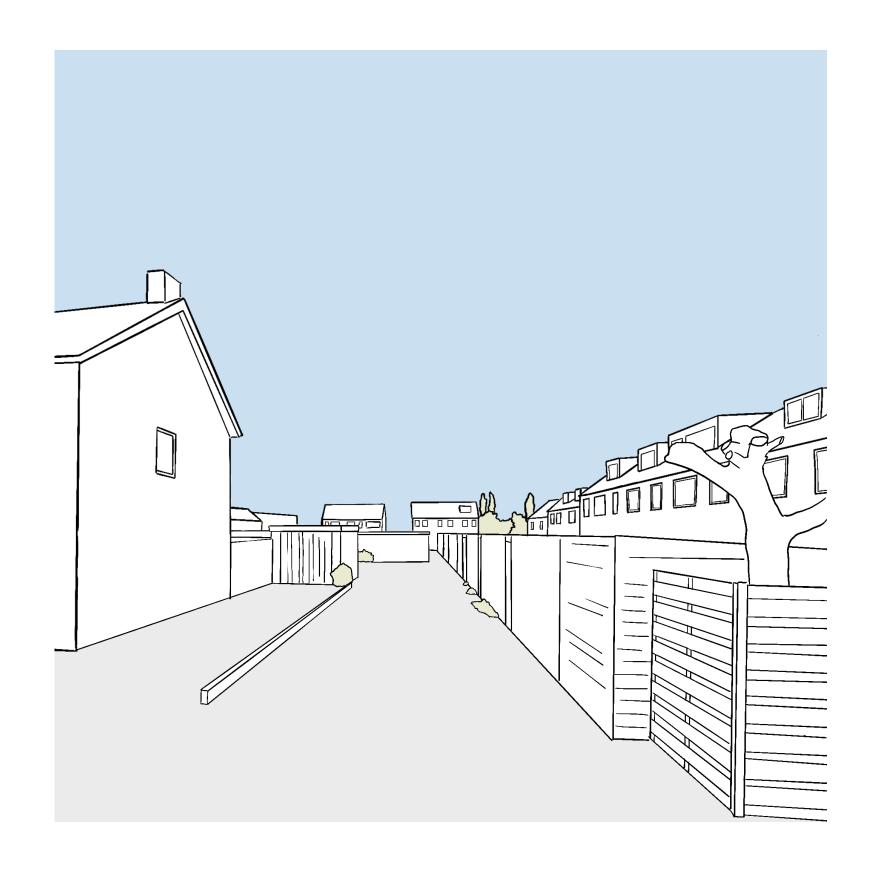


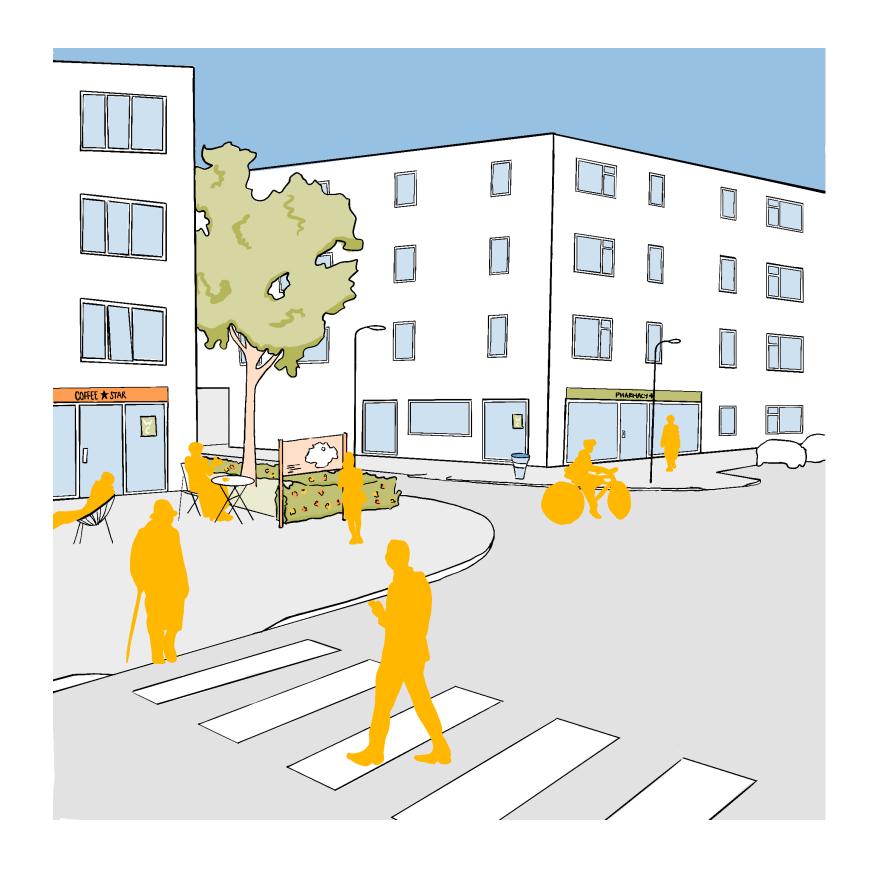


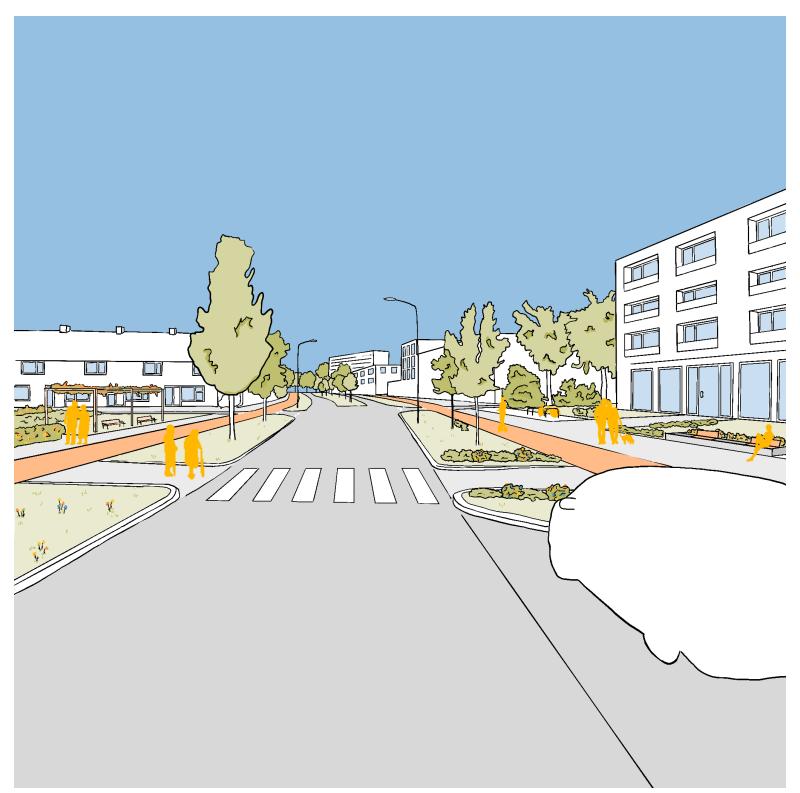








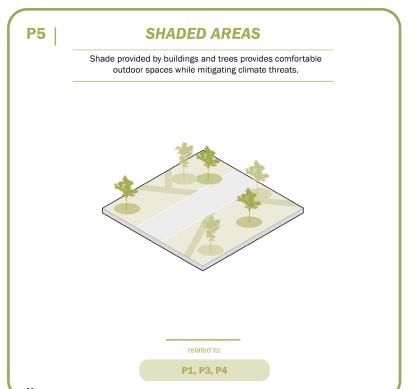






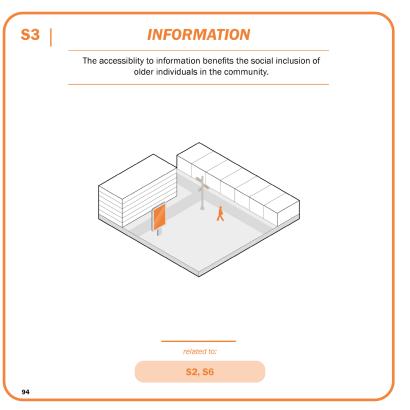


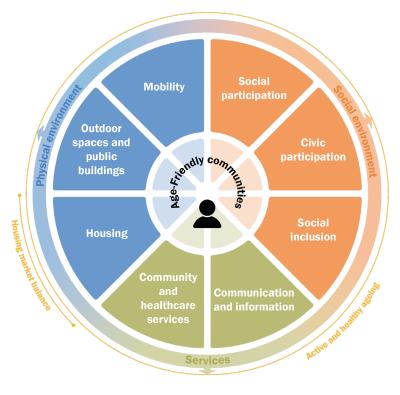


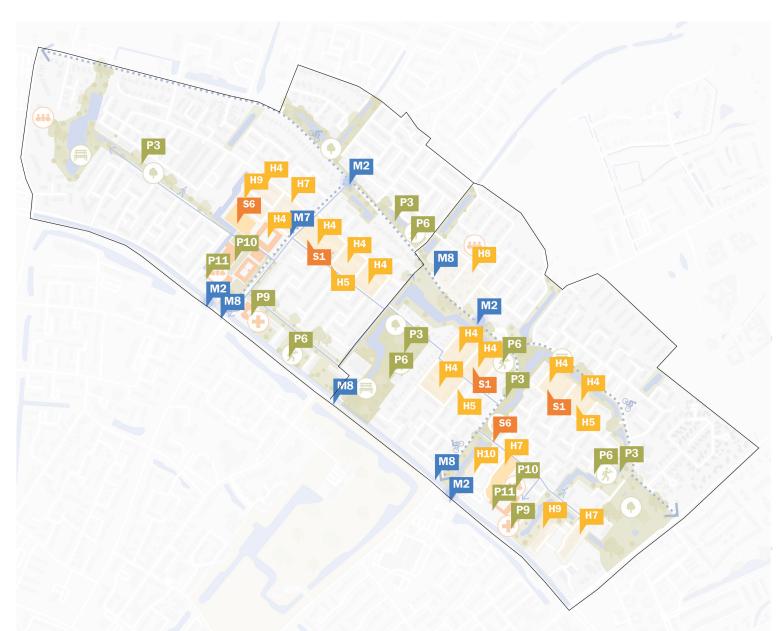


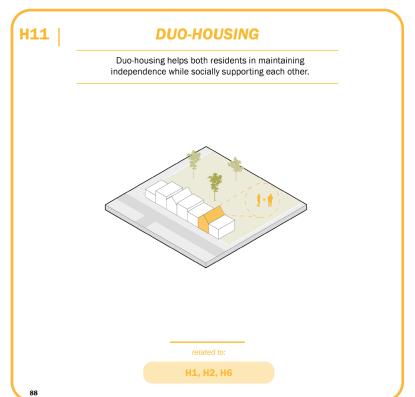


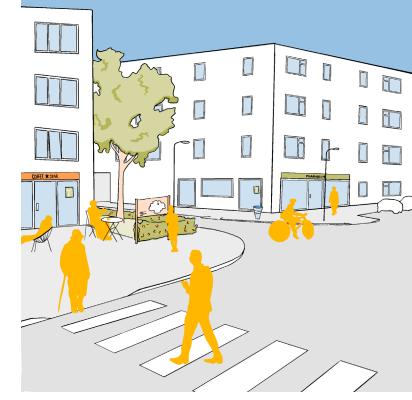




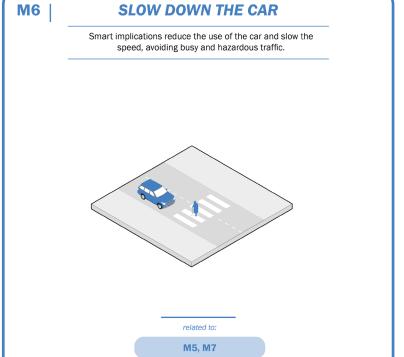






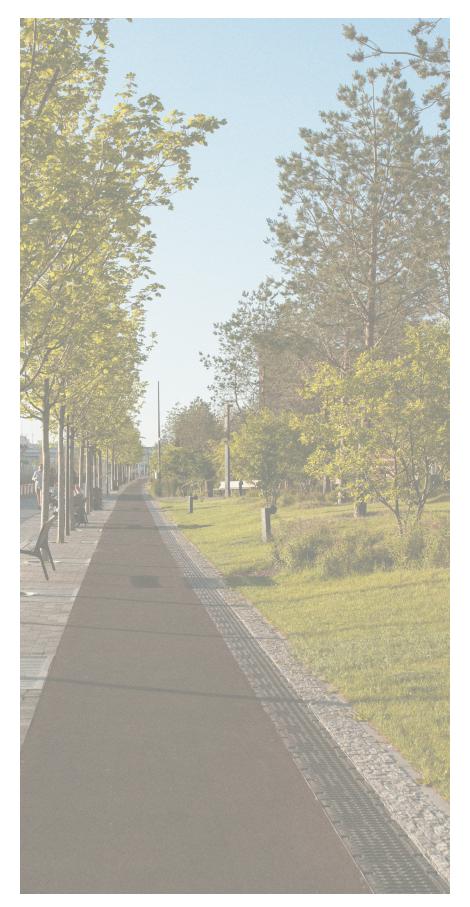


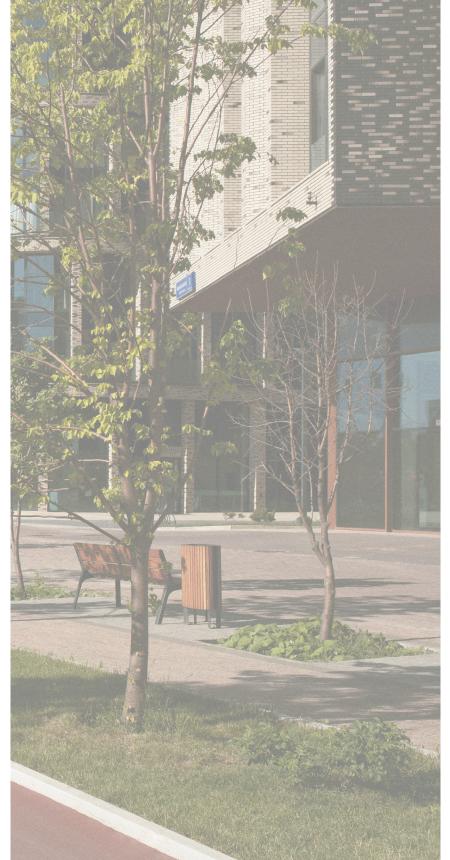














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