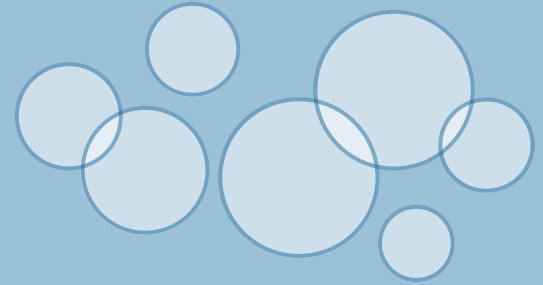
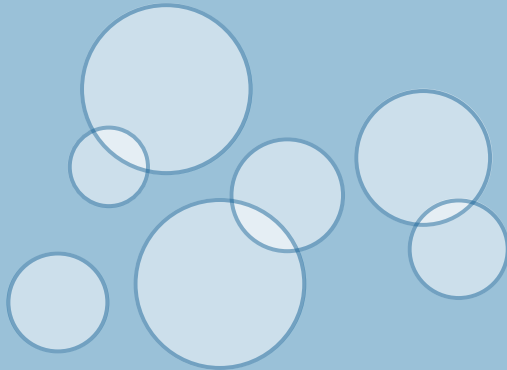


Finding Values



Defining key public values for peri-urban inhabitants to inform the implementation of 15-minute City principles

Key words: public values / peri-urban / 15-minute city / liveability / citizen participation



AR3U115 / Graduation Lab Urbanism Studio / Planning Complex Cities
MSc Architecture, Urbanism & Building Sciences
Delft University of Technology

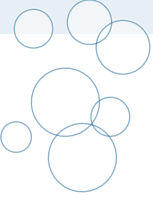
Jelle Schotanus / 4856619 /

18-06-2025

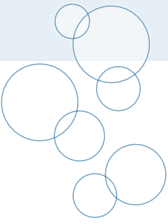
P5 presentation

Interpreting Our Environment





Defining Public Values: My Definition



Public values

/ˈpʌblɪk væl.jʊz/

phrase [plural]

instrumental moral principles held by the public on a social basis that is constantly in flux, reflecting the cultural and socio-economic context

Societal Relevance: Public Unrest



Mensen die de overheid niet vertrouwen, zijn slecht geïnformeerd. Met die aanname maken onderzoekers van het Verwey-Jonker Instituut korte metten. Het groeiende wantrouwen heeft de overheid vooral aan haarzelf te danken.

Door Ron van Wonderen, Timo Peeters
15 april 2022

Unheard and unseen citizens distrusts the government
(De Veen & Moors, 2023)

E:M+MA.

HOME THEMAS ▾ OVI

**Ongehoord en
ongezien: de
wantrouwende burger
met vele gezichten**

19 juni 2023



Door onze nieuwsredactie

24 mei 2023 om 00:05
Update: 1 jaar geleden

2.1K reacties

Delen

Unheard Dutch citizens feel heard when they are allowed to participate in decision-making (nu.nl, 2023)

Peri-urban Areas



Unknown (2024) InPUT project TU Delft

Societal Relevance: Challenges for the Peri-urban

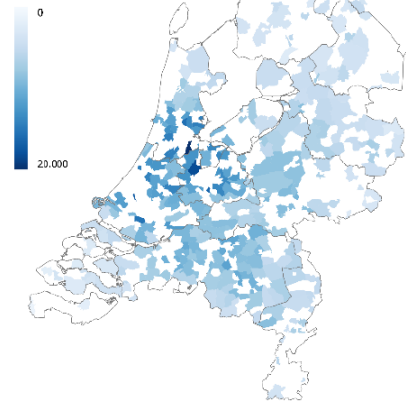
- Car dependency
- Decreasing amenities
- Population growth
- Unfair distribution of research

Toegang tot winkelen

Vervoervijze: totaal (auto, fiets en OV)
Absolute waarden en binnen gewogen reistijd

Selectie: type 3 groei, lendelijk

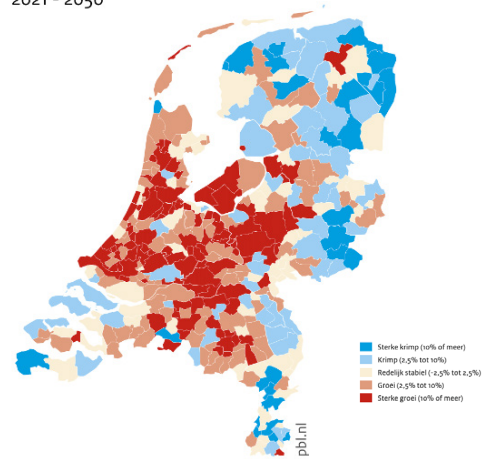
Toegang tot winkelen 2018



Access to shops in 2018 outside urban areas
(Jorritsma et al., 2023).

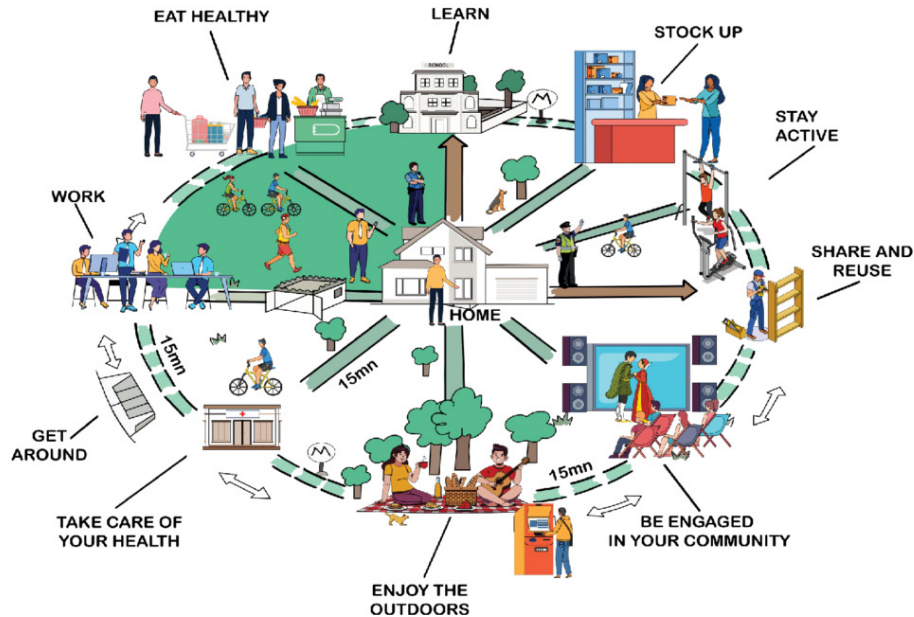
Bevolkingsontwikkeling per gemeente

2021 - 2050



Population growth per municipality (PBL, 2022).

Scientific Relevance: The 15-minute City



Moreno, C. (2024). *The 15-Minute City: a solution to saving our time and our planet*. <https://hal.science/hal-04392771>

The 15-minute City: Discourse



A protester in Oxford, where councillors have received death threats over proposals for 15-minute neighbourhoods. (Pope, 2023)

15 minute cities: How they got caught in conspiracy theories

3 October 2023

Share Save

Marco Silva
BBC Verify

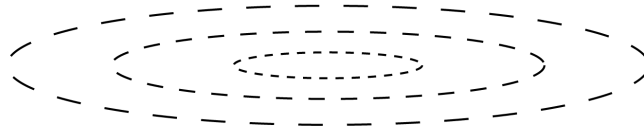
Conspiracy theories linking "15-minute cities" to sinister plays to control people may once have been the preserve of fringe groups on social media, but have they now entered the mainstream of British politics?



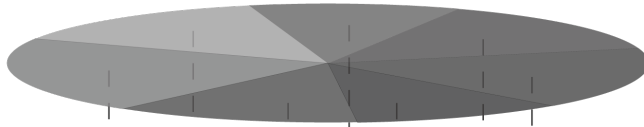
Protesters marched across Oxford against '15-minute city' plans (Silva, 2023)

Scientific Relevance: The 15-minute City

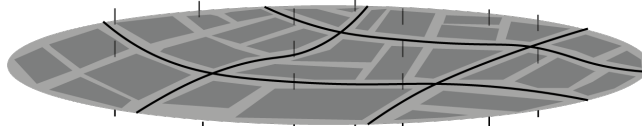
The 15-minute City



Principles

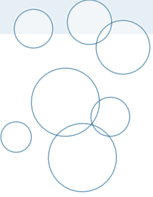


Urban setting

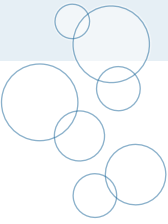


Peri-Urban setting





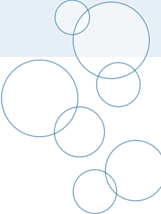
Research Questions



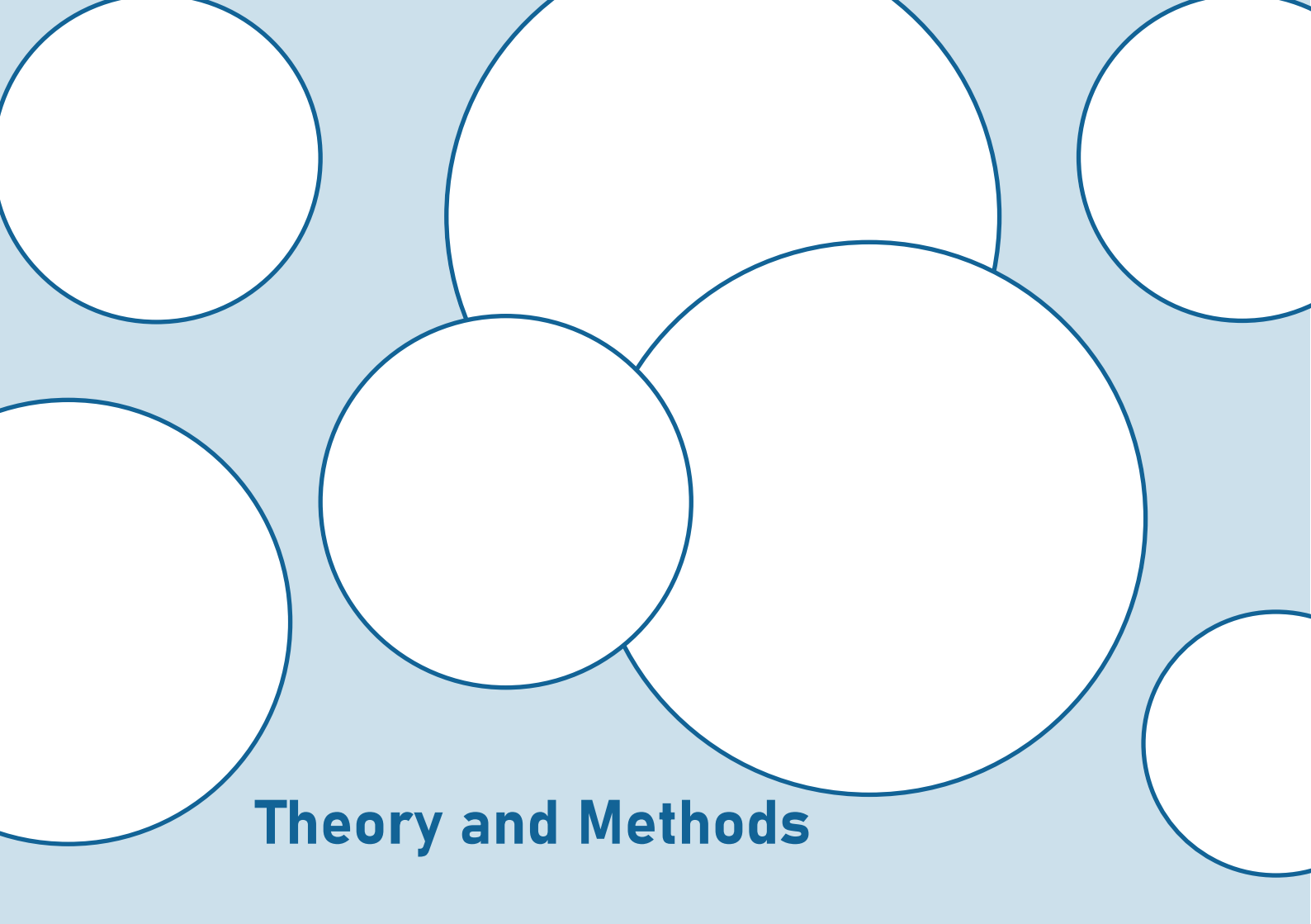
How can key public values of peri-urban inhabitants inform the implementation of the 15-minute City principles?



Presentation Overview



1. Setting the Scene
2. Theory and Methods
3. Developing Values
4. Spatialising Values
5. Contextualising Values
6. Synthesising Values
7. Reflecting on Values



Theory and Methods

The Public Values Perspective: Combining Frameworks

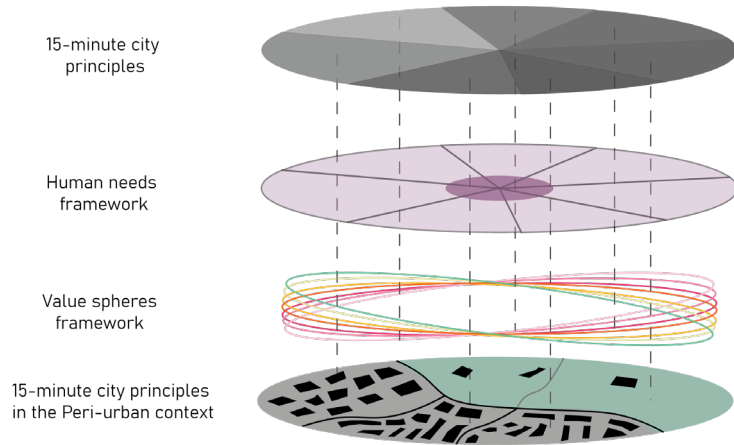
Public Value Spheres:

seven spheres
categorizing peri-urban
public values.

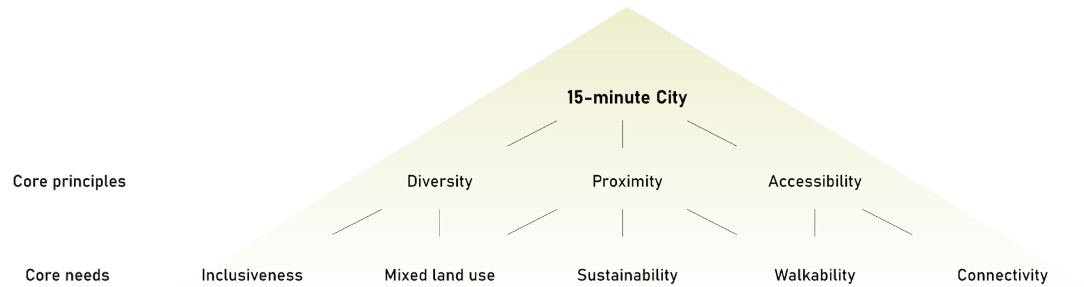
(Herzog et al, 2024)

'Need': common
requirement to achieve
objectives on local and
broader scales.

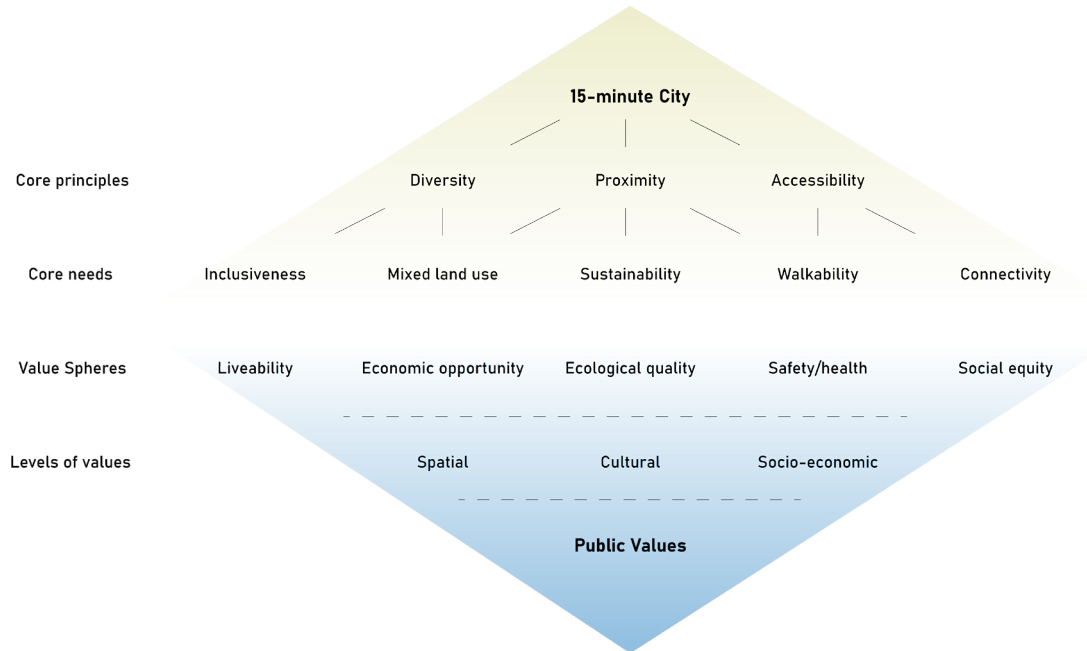
'Satisfiers': aspects that
drive life choices and
satisfy different 'needs'.
(Cardoso et al, 2022)



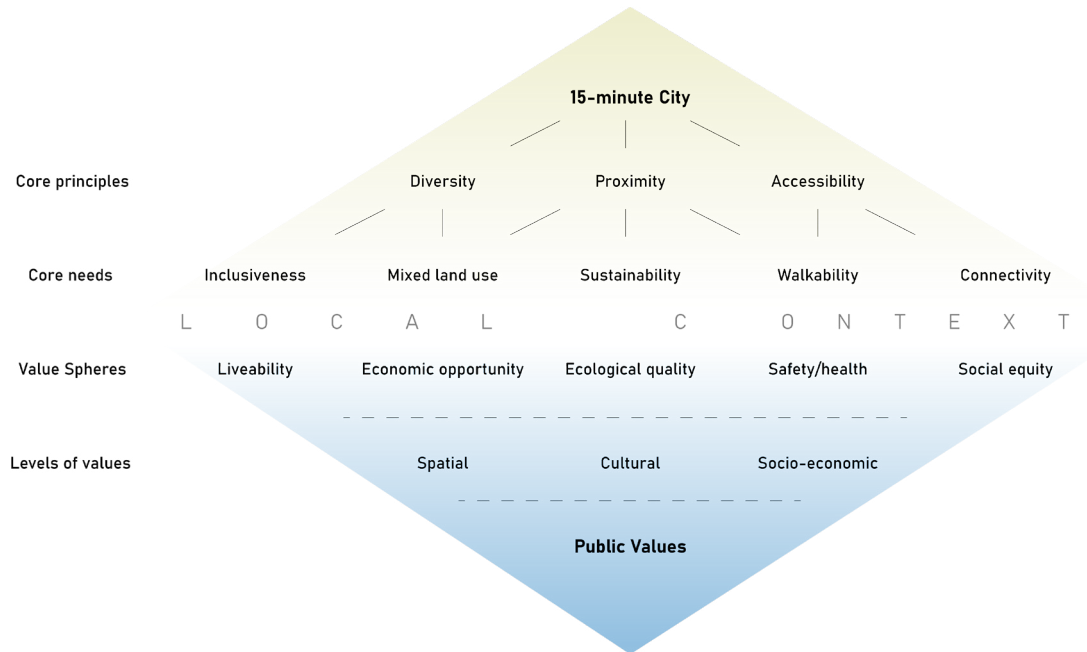
Conceptual Framework



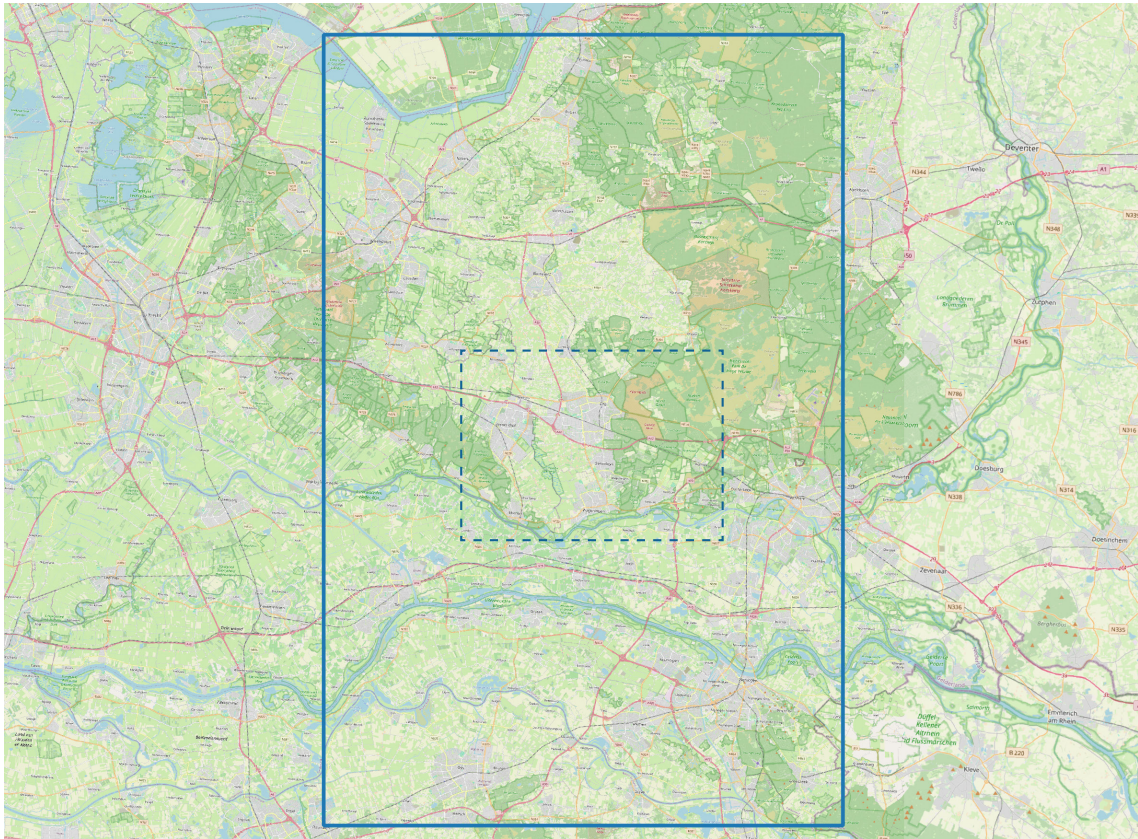
Conceptual Framework



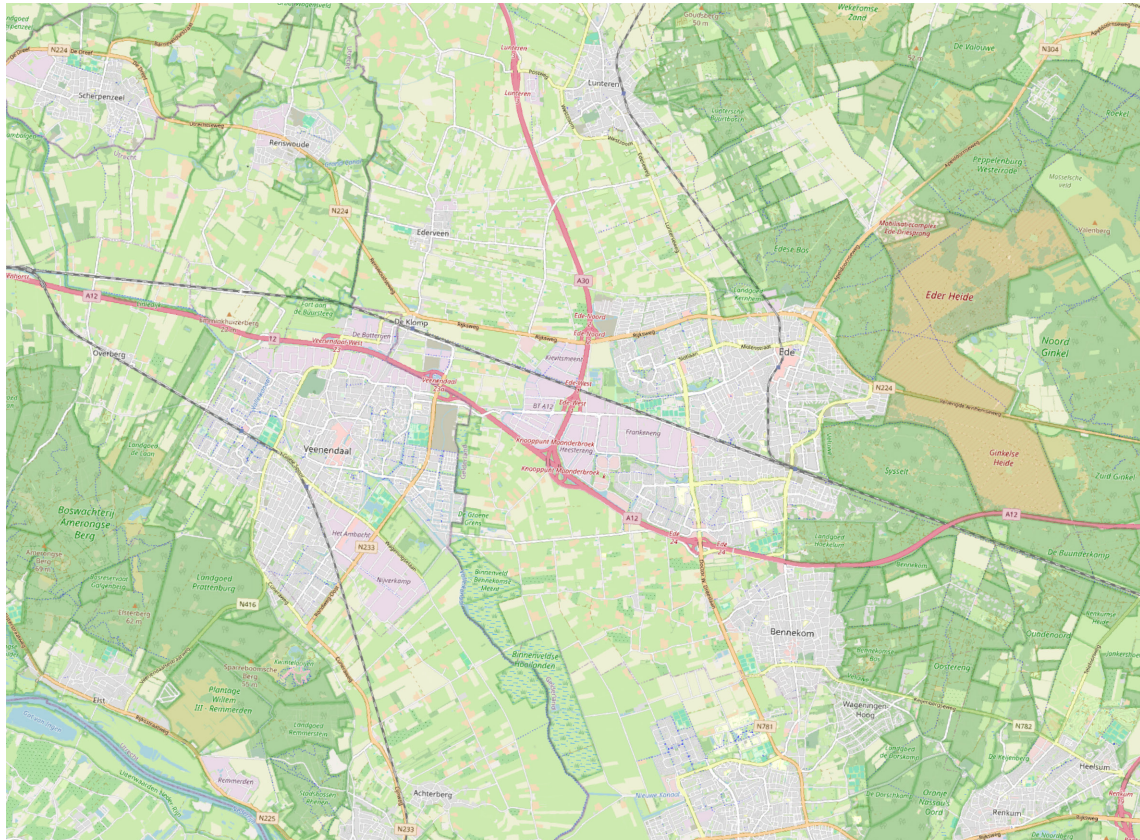
Conceptual Framework



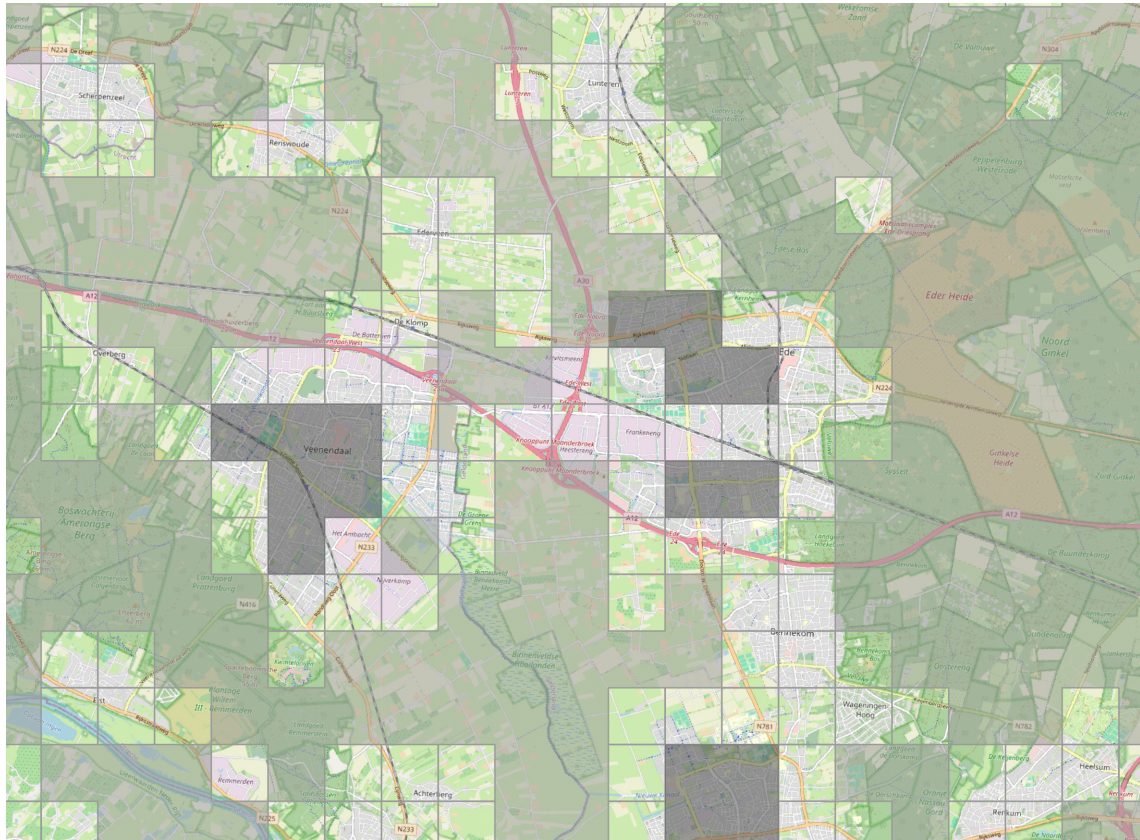
Dutch Case Study of InPUT: The Foodvalley



Ede and Its Surroundings



Ede and Its Surroundings: The Peri-urban



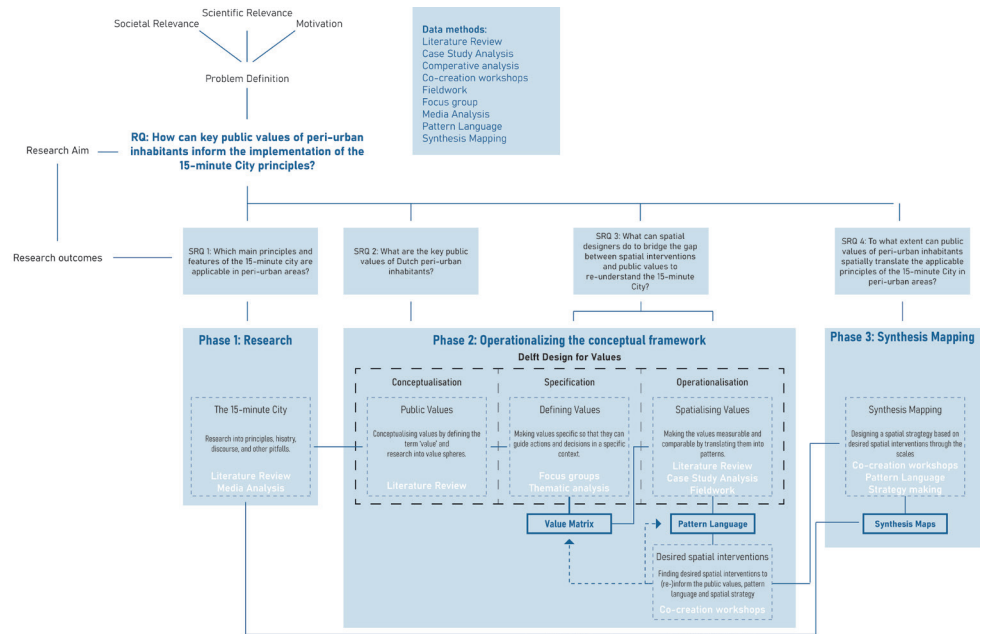
Methodological Framework

Three phases

1. Research

2. Operationalizing the conceptual framework Delft Design for Values

3. Synthesis mapping





Developing Values

Defining Values: Focus Groups

Based on comments of people values were defined.

"I'm just glad you have **the forest and heathland within walking distance.**"

"For example, I also go to Bennekom. I also walk there, but there are **just very few benches to just rest.**"

"There are a lot of **elderly people** living in this neighbourhood and they always complained that they **couldn't get on the bus**"

Quotes from focus group participants

The Value Matrix

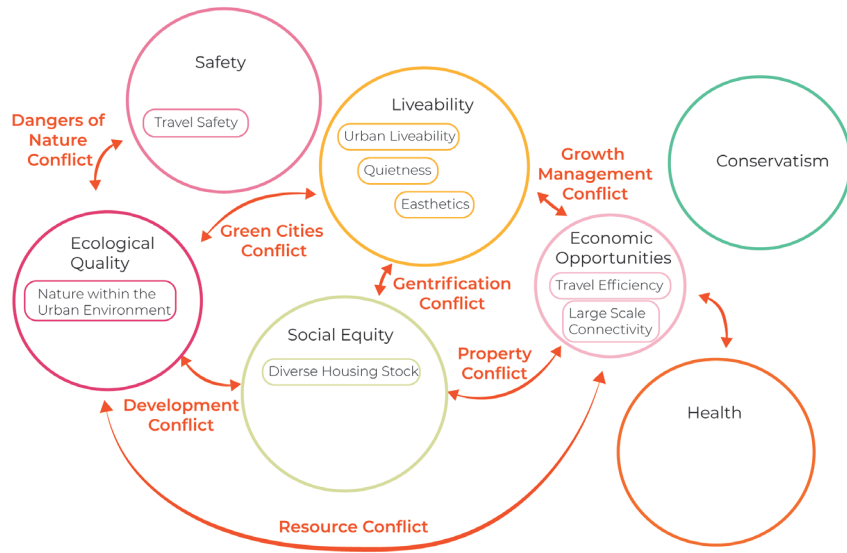
31 public values

Just Moved (J)
Working (W)
Caregivers (C)
Elderly (E)
Youth (Y)

Liveability	Economic Opportunities				Ecological Quality	Safety/Health	Social Equity			
Understandable Urban Planning	Travel Practicality		Travel Convenience		Locality of Nature	Safe Neighbourhoods	Inclusive Access to Amenities		Diverse Housing Stock	
J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y
Urban Liveability	Travel Efficiency		Sustainable Travel Options		Nature within the Urban Environment	Travel Safety	Equitable Neighbourhoods		Civic Solidarity	
J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y
Cleanliness	Large Scale Connectivity		Inclusive Access to Transport		Nature Preservation	Resilience	Community Oriented Action		Diversity of Amenities	
J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y
Tranquillity	Autonomy of the Car				Nature Conservation	Safe Spaces			Youth Centred Development	
J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y
Experiencing Public Space					Climate Oriented Decision Making	Health Care Access				
J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y
Aesthetics of the Urban Fabric						Active Mobility for Health				
J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y	J W C E Y

A Critical Look: Value Conflicts

Conflict framework adopted from Herzog et al. (2024).

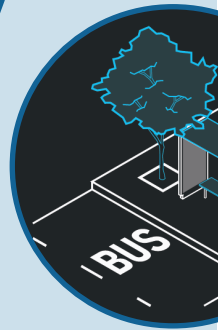
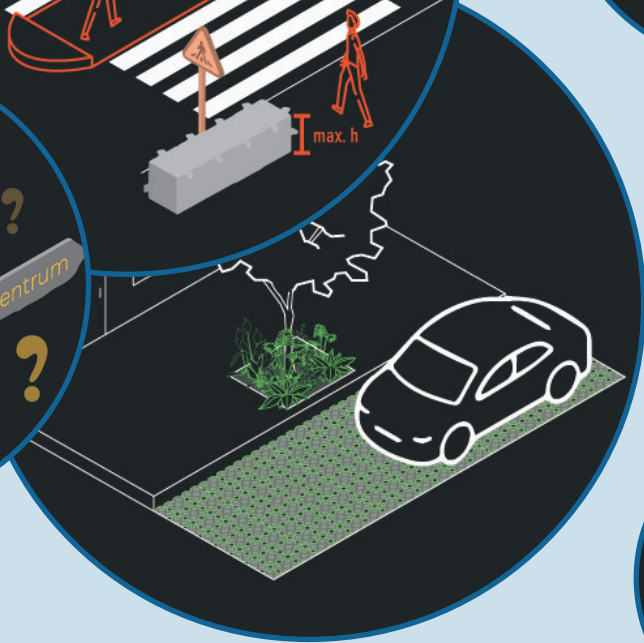
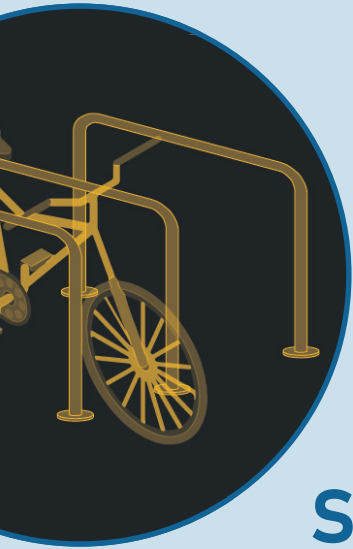


A Critical Look: A Policymakers Perspective

Two main things are missing from the public values that policymakers do mention:

1. Financial feasibilities
2. Political and social buy-in

Liveability	Economic Opportunities		Ecological Quality	Safety/ Health	Social Equity	
Urban Liveability	Travel Practicality	Travel Convenience	Locality of Nature	Travel Safety	Inclusive Access to Amenities	Equitable Neighbourhoods
Experiencing Public Space	Travel Efficiency	Sustainable Travel Options	Nature within the Urban Environment	Active Mobility for Health		
Aesthetics of the Urban Fabric	Large Scale Connectivity	Inclusive Access to Transport	Climate Oriented Decision Making			



Spatialising Values

The Pattern Language: Defining the Attributes

A pattern language as a tool to communicate with citizens

The scale of the Pattern:

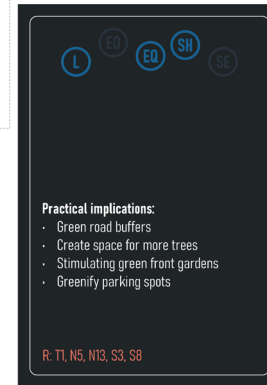
T: Transscalar
R: Regional
C: City
N: Neighbourhood
S: Street/Block

Number of the Pattern

The colour of the pattern represents the type of interventions:

Urban Fabric: Red
Infrastructure: Yellow
Public Transport: Blue
Nature/Urban Green: Green

Image supporting the pattern



The Value Spheres which the pattern effects

The practical implications of the pattern

The Pattern Language: A Complete Overview

50 total patterns

Per scale:
 7 Transscalar
 9 Region
 9 City
 14 Neighbourhood
 11 Street/Block



Economische Kansen	Ecologische Kwaliteit	Veiligheid/ Gezondheid	Sociaal
Praktisch Bezoeken	Geen obstakels op Eigen Bezoeken	De Natuur en van Natuur	Wettelijke bescherming van Natuur
Efficiënt Bezoeken	Duurzaam Bezoeken	Natuur in de Stad	Veilig Bezoeken
Buizen Stedelijke Bezoeken	Inclusieve Toegang tot Toegang	Natuurbescherming	Aanpakbaarheid van de Toegang
De Inhoud van de Auto	Natuurbescherming	Veilige Plaatsen	Gemeenschappelijke Toegang
		Toegang tot Zorg	Uitbreiden van de Toegang
		Lopen en Fietzen voor de Toegang	



Economische Kansen	Ecologische Kwaliteit	Veiligheid/ Gezondheid	Sociaal
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		Toegang tot Zorg	Uitbreiden van de Toegang
		Lopen en Fietzen voor de Toegang	



Contextualising Values

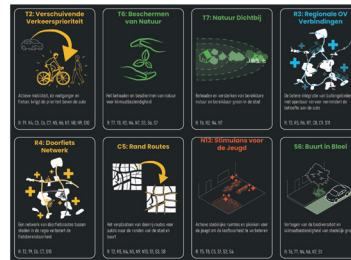
The Co-creation Workshop: The Set-up

1. Choose 5-6 values and prioritise them

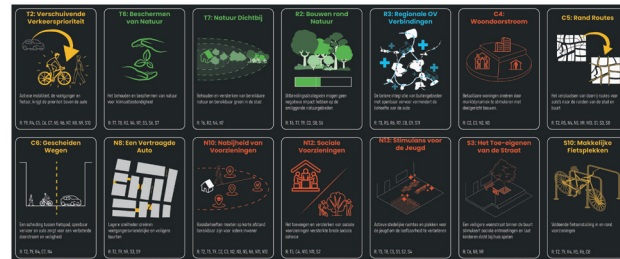


Liveability	Economic Opportunities		Ecological Quality	Safety/ Health	Social Equity	
Urban Sustainability Urban Planning	Travel Practicality	Travel Convenience	Locality of Nature	Safe Neighbourhoods No accidents	Inclusive Access to recreation	Cheaper Housing Stock
Urban Liveability	Travel Efficiency	Sustainable Travel Options	Nature within the Living Environment	Travel Safety	Economic Neighbourhoods	Civic Solidarity
4 ✕	3 ✕		6 ✕			5 ✕
Cleanliness	Large Scale Connectivity	Inclusive Access to Transport	Nature Preservation	Resilience	Community Characterisation	Diversity of Amenities
Quietness	Autonomy of the Car		Locality of Nature	Safety Spaces		Youth Centred Development
Experiencing Public Space			Climate Oriented Decision Making	Health Care Access		
Activities of the Urban Fabric				2 ✕		
				Active Mobility for people		

2. Choose 8-9 patterns

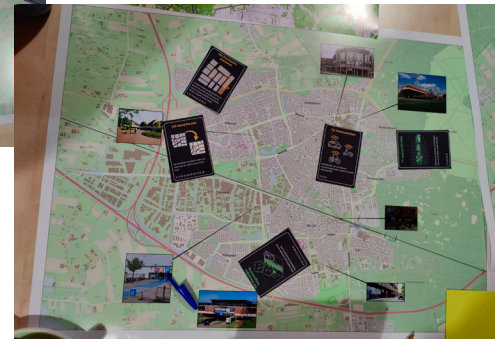


3. Choose 13-14 patterns



Translating Peoples 'Why'

Public values formed the 'why' behind the desires.



Lost in Translation

Perceived values
may not fully capture
the participants' true
concerns

C4: Housing Hustle



Creating affordable housing by stimulating
market dynamics through targeted
construction

R: C2, C3, N2, N3



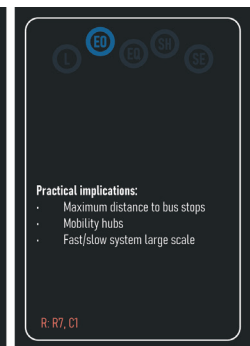
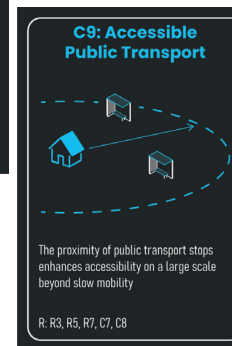
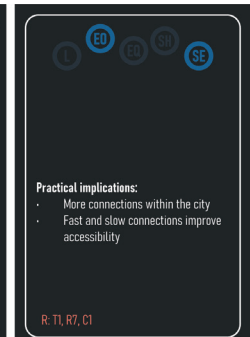
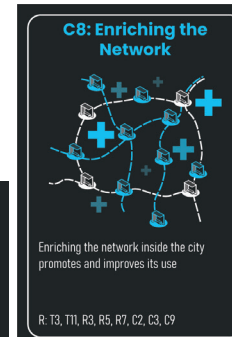
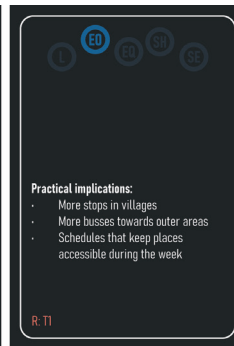
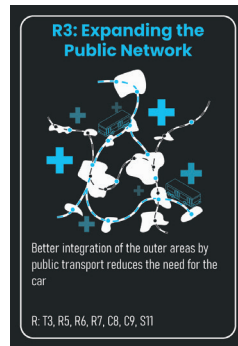
Practical implications:

- FCombined living arrangements
- Student housing
- Elderly housing
- Assisted living units

R: C1, N1

The Search for Simplicity

Every participant had their own level of understanding



The Golden Question: “Why?”

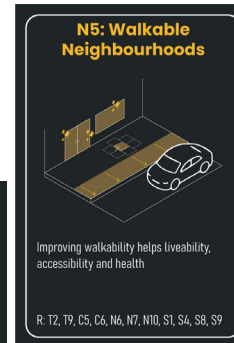
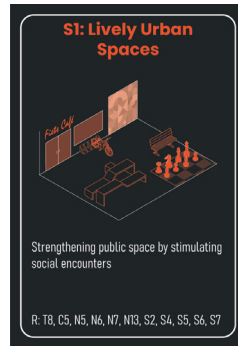
The question of ‘why’
as a tool to understand
underlying values



Figure 53: The Golden Circle (Sinek, 2009)

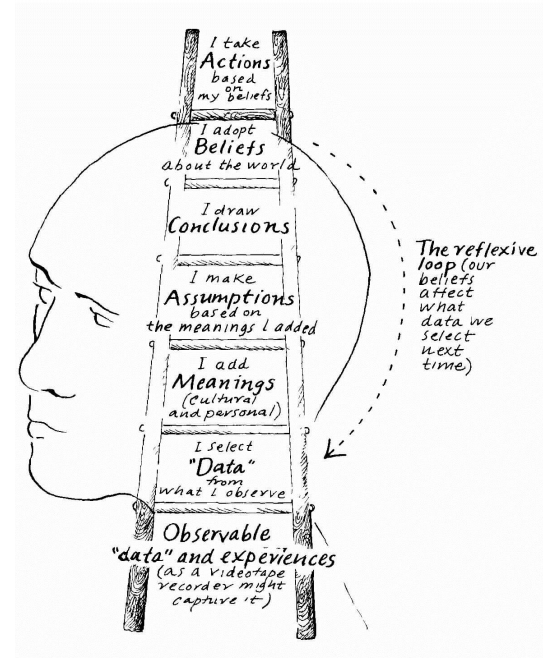
The Golden Question: “Why?”

Misinterpretations might happen without finding the ‘why’



Interpretations of 'Why'

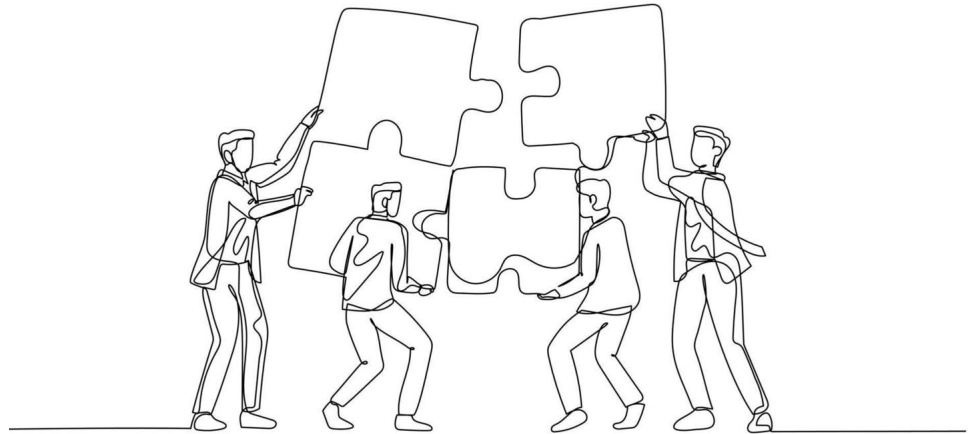
People form beliefs through repeated assumptions



The Ladder of Inference - (Senge et al., 1994)

Connecting the 'Why'

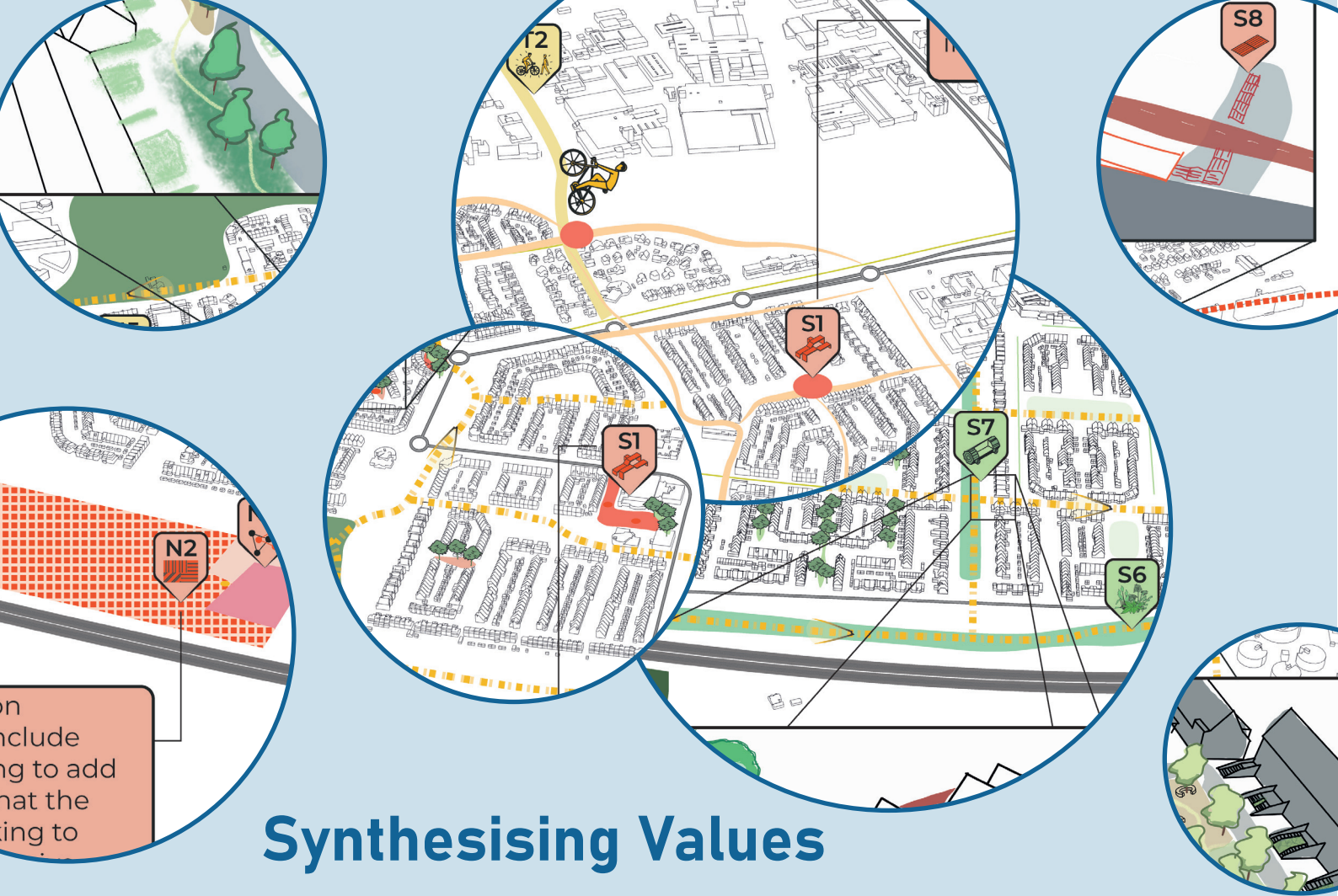
Designers must be fluent in languages of form and meaning to connect different perspectives



The Workshops Content

All the individual
chosen patterns





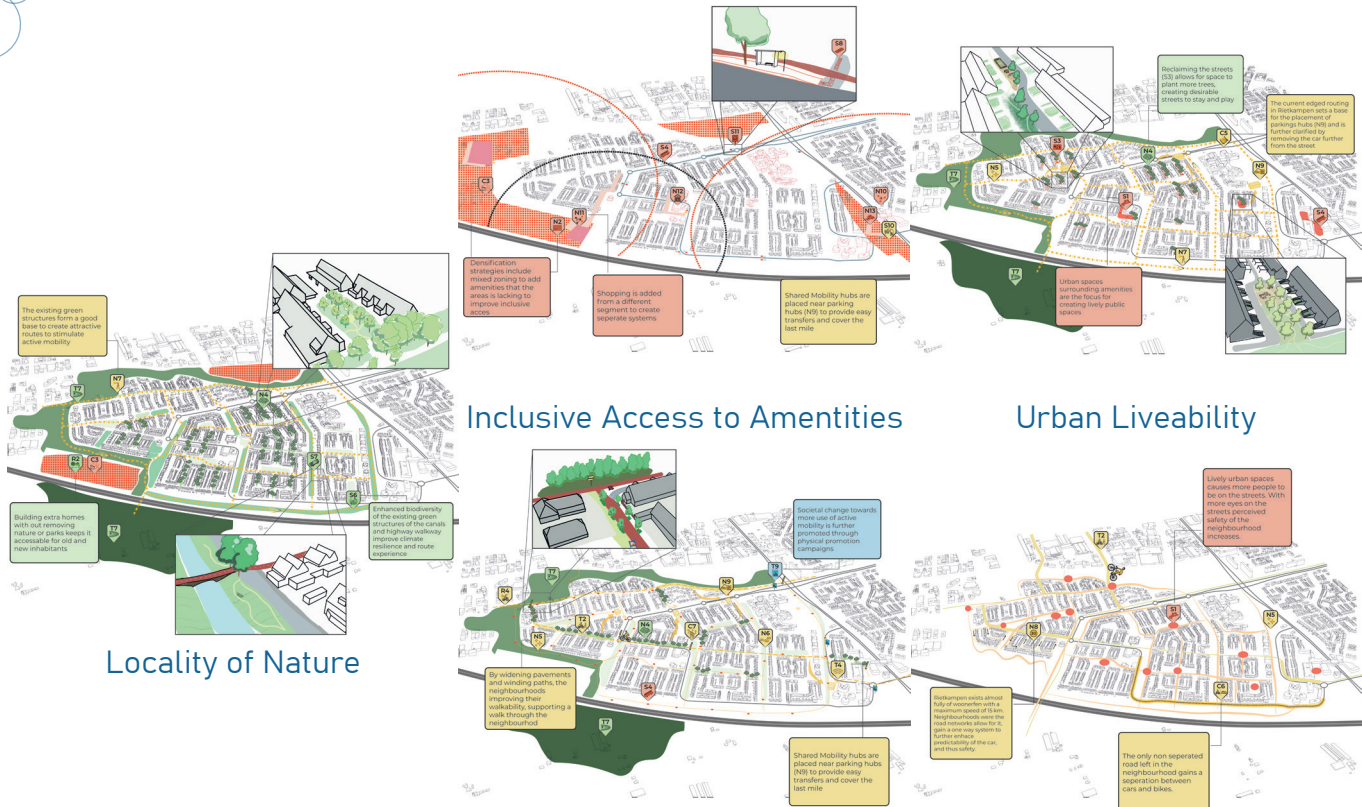
Synthesising Values

Connecting Perspectives: The Designers' Lens

Table of main values and chosen patterns per perspective

	Citizens	Policymakers	Spatial Designer
Active Mobility for Health	   	     	  
Locality of Nature	  	  	 
Inclusive Access to Amenities	   	  	   
Safe Neighbourhoods	  	 	 
Urban Liveability	  	 	  

Public Value Maps



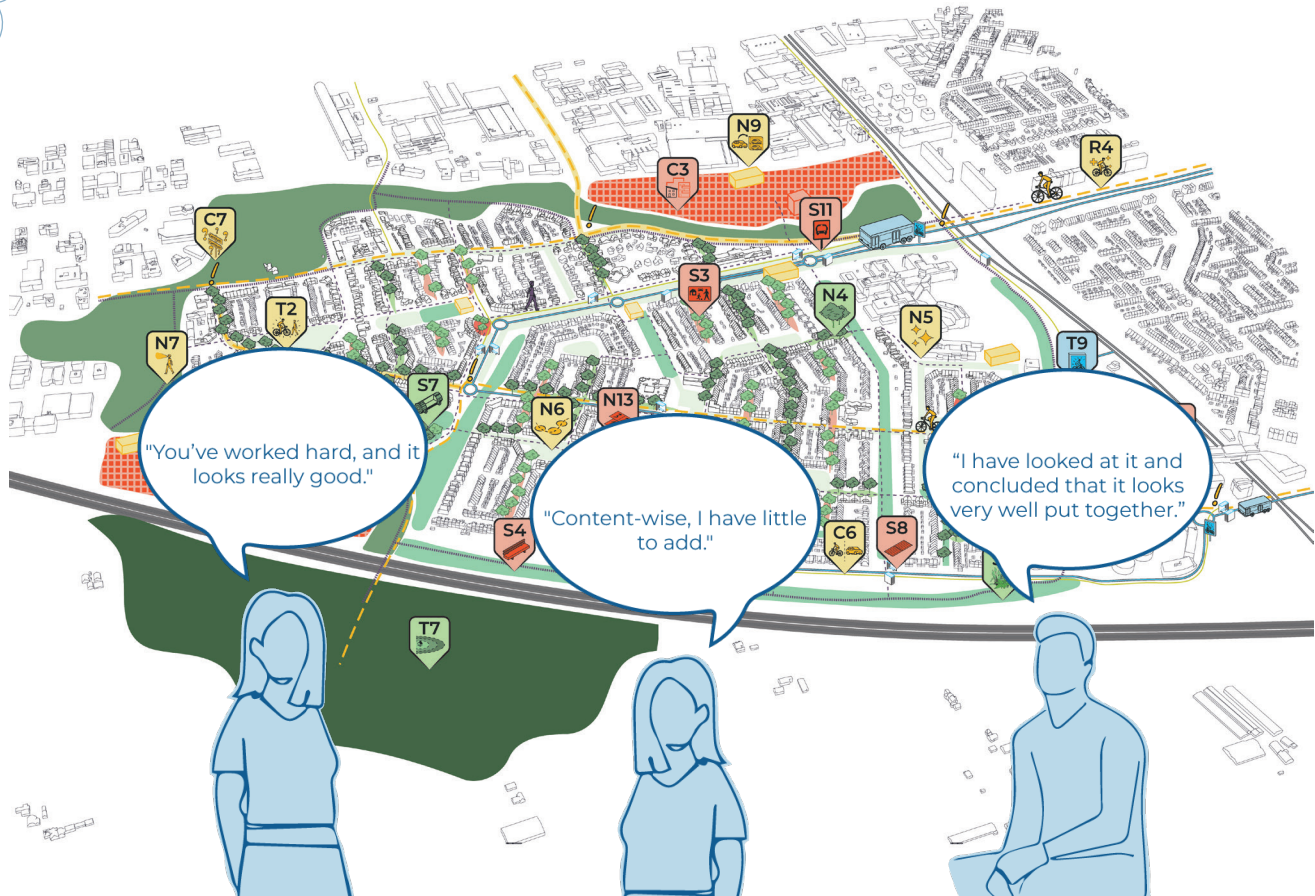
Public Value Maps Locality of Nature



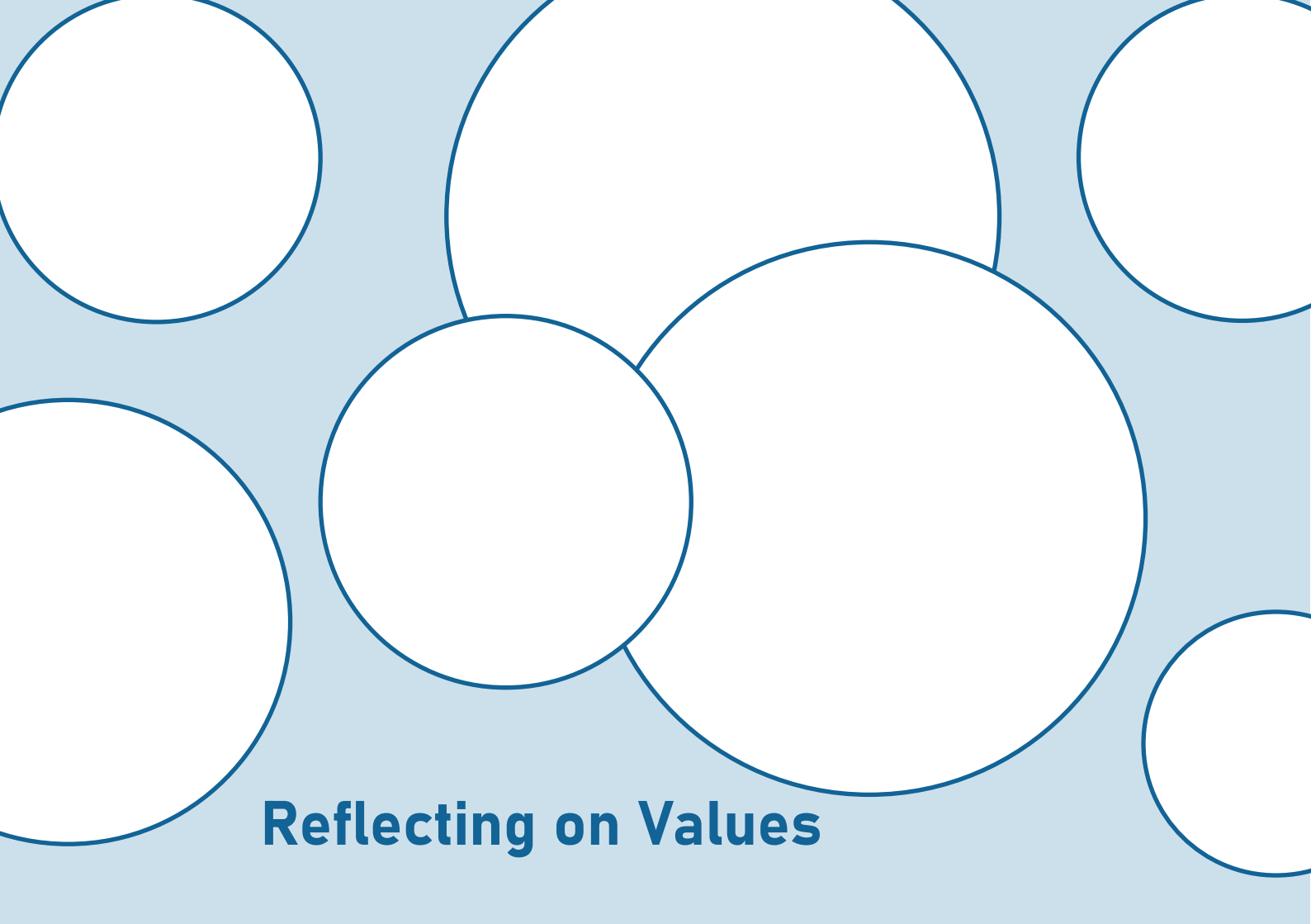
Synthesised Value Map



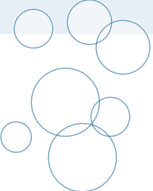
Synthesised Value Map



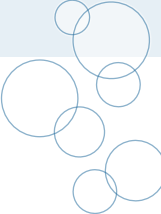




Reflecting on Values

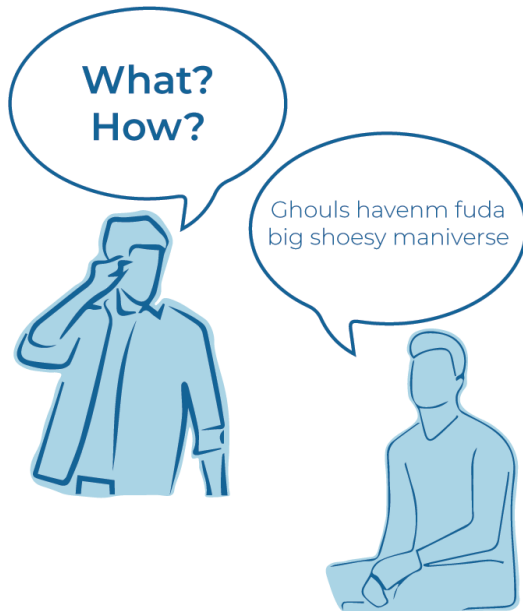


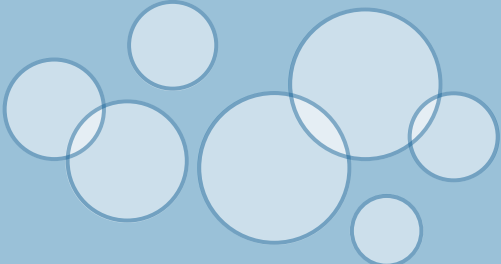
Conclusion



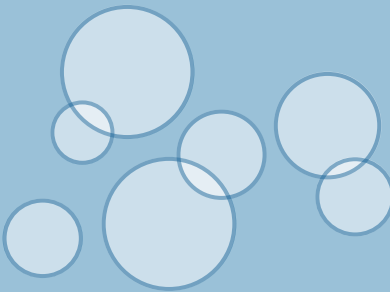
How can key public values of peri-urban inhabitants inform the implementation of the 15-minute City principles?

Reflection



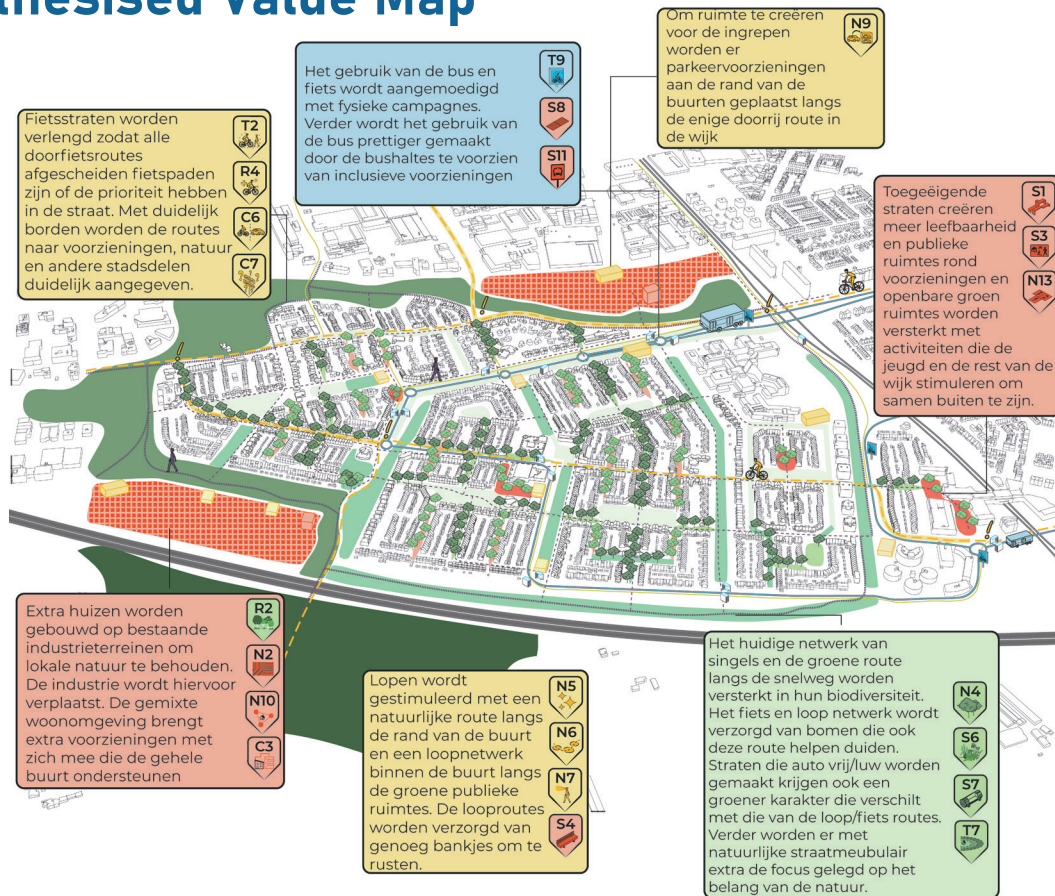


Finding Values



Jelle Schotanus

Synthesised Value Map

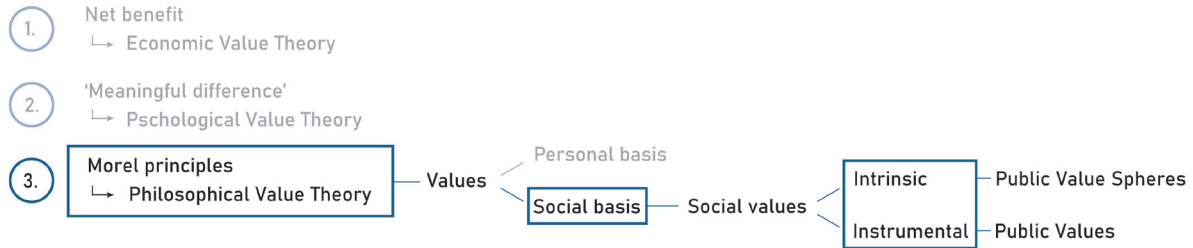


The 15-minute City: Pitfalls

Pitfalls			Reflections
Theoretical	Implementation	Analytical	
Originality	Lack of implementation	Lack of precision	Discourse
Unrealistic expectations of decentralisation	Difference in spatial and cultural context		Young research body
Omission of public transport	equality in amenities		adopting 'Smart City network technologies' as an expansion
Weak presence of urban nature	Aggregation of amenities		Branding
Environmental protection	Mobility based exclusion		
Energy-efficiency	Gentrification		
green and clean energy			
Northern Bias			

(Bruno et al., 2024; Büttner et al., 2022; Caprotti et al., 2024; Guzman et al., 2024; Khavarian-Garmsir, Sharifi, & Sadeghi, 2023; Marquet, Anguelovski, et al., 2024; Marquet, Mojica, et al., 2024; Mouratidis, 2024; Poorthuis & Zook, 2023; Silva et al., 2023; Teixeira et al., 2024).

A New Perspective: Public Values



Focus Groups

- Focus groups were held about experiences, struggles and needs in regard to daily mobility, amenities and liveability.
- 29 participants over 7 sessions, divided in 5 different groups:
 - Just Moved (J)
 - Working (W)
 - Caregivers (C)
 - Elderly (E)
 - Youth (Y)
- Larger presence of youth and retired white men
- Overall strong bias towards the bike



Photos send in by focus group participants

The Pattern Language: Defining the Attributes

A pattern language
as a tool to
communicate with
citizens

The scale of the Pattern:
T: Transscalar
R: Regional
C: City
N: Neighbourhood
S: Street/Block

Number of the
Pattern

The colour of the pattern represents the type of
interventions:

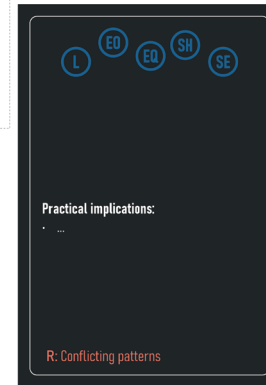
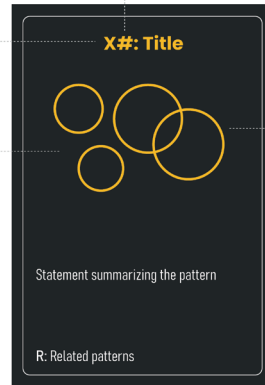
Urban Fabric: Red

Infrastructure: Yellow

Public Transport: Blue

Nature/Urban Green: Green

Image
supporting the
pattern



The Value
Spheres which
the pattern
effects

The practical
implications of
the pattern

The Value Matrix: Linking Patterns to Values

50 patterns divided over the values based on which can positively effect the value

Liveability	Economic Opportunities		Ecological Quality	Safety/ Health	Social Equity	
Understandable Urban Planning T2 / T9 / C7 / N7	Travel Practicality T2 / T4 / R5 / C7 / C8 / C9 / N6 / S10	Travel Convenience T1 / T3 / R6 / C6 / C7 / C9 / N5 / S9 S10 / S11	Locality of Nature T7 / R2 / N4 / S6	Safe Neighbourhoods T2 / C5 / N8 / N9 / S3 / S5	Inclusive Access to Amenities T5 / N2 / N3 / N5 / N10 / N11 / S8 S10 / S11	Diverse Housing Stock C2 / C3 / C4 / N2 / N3
J W C E Y	J W C E Y	J W C E Y	J W E Y	J W C E Y	J W C E Y	J W C E Y
Urban Liveability T1 / T10 / C5 / N5 / N2 / N3 / N4 / N5 N9 / S1 / S3 / S4 / S5	Travel Efficiency T1 / R1 / R3 / R4 / R5 / R6 / N10	Sustainable Travel Options T2 / T4 / T9 / R3 / R4 / C8 / N5 / N9 S11	Nature within the Urban Environment T7 / N4 / S6	Travel Safety T3 / T8 / C5 / C6 / C7 / N8 / S5 / S8 S9	Equitable Neighbourhoods T5 / C8 / N2 / N3 / N10 / N11	Civic Solidarity S4 / S8
J W E Y	J W C E	J W C E Y	J W E Y	J W E Y	J W C Y	W C E Y
Cleanliness T6 / T8	Large Scale Connectivity R1 / R3 / R4 / R6 / R7 / C9	Inclusive Access to Transport T4 / R3 / R7 / C8 / C9 / S8 / S11	Nature Preservation T6 / R2 / C3	Resilience T2 / T3 / T9 / C2 / C3 / N9	Community Oriented Action N12 / N13 / N14 / S1 / S4	Diversity of Amenities T5 / N2 / N3 / N11
J W E Y	W C E Y	J W C E	W E Y	J W E Y	J W E Y	W C Y
Tranquillity C1 / C5 / N1 / N9 / N14	Autonomy of the Car T1 / R1 / C1		Nature Conservation S5 / S6 / S7	Safe Spaces T8 / N8 / S1 / S3 / S4 / S5		Youth Centred Development N13 / S1 / S4
J W E	W E Y		J W Y	W C Y		J E Y
Experiencing Public Space T8 / N4 / N6 / N7 / S1 / S2 / S4 / S6			Climate Oriented Decision Making T2 / T4 / T6 / R2 / R3 / N4 / N9 / S6 S7	Health Care Access T5 / N10 / N11		
J E Y			W E	J C E		
Aesthetics of the Urban Fabric C5 / N7 / N9 / S2 / S6 / S7				Active Mobility for Health T2 / T7 / T9 / R4 / C7 / N5 / N6 / S4 S8		
J E				W E		

The Content: Analysing the Patterns

Overview of all patterns and how they were represented during the workshop

	Total	Group 1	Group 2	Group 3	Personal
T1: Car Accessibility		1		2	2
T2: Shifting Modal Priorities	3	1	3	1	3
T3: Joyful Journey	1	1		1	3
T4: Shared Mobility	1	1	2		2
T5: A Healthy Spread of Amenities	1	2		1	1
T6: Protecting Nature	2	1	1	1	2
T7: Nature All Around	3	1	3	1	5
T8: Keeping it Clean	1		1		1
T9: Promoting Change				2	2
R1: Highway Expansion					
R2: Building around Nature	2		1	1	2
R3: Expanding the Public Network	2		1	1	3
R4: Continuous Cycling		2		1	1
R5: Modular Mobility					4
R6: Transition Zones					
R7: Adaptive Systems					1
C1: Follow the Form					
C2: Layered Growth		2		1	3
C3: Growth Within		1		1	2
C4: Housing Hustle	3	1	2	1	6
C5: Edge Routing	2	1	2	1	4
C6: Safely Separated	2	1	2	1	3
C7: Clear Routing	1	1	1		2
C8: Enriching the Network		1			2
C9: Accessible Public Transport	2	1	3	2	1
N1: Zoned Apart					
N2: Balanced Blend					
N3: Blend in Full					
N4: Nature Within	2	1	1	2	1
N5: Walkable Neighbourhoods	1		1	2	1
N6: Through the Neighbourhood			1		2
N7: Path Context					
N8: Slowing Down the Car	1		1	1	1
N9: Sustainable Parking	1	1			
N10: Proximity of Amenities	2		1	3	1
N11: Quality of Amenities					
N12: Social Amenities	2	1	2	1	2
N13: Activating the Youth	2		1	3	1
N14: Enabling Elderly					
S1: Lively Urban Spaces	1		1	2	1
S2: Placemaking					4
S3: Reclaiming the Streets	1		1	1	2
S4: Places to Sit	1			2	4
S5: Light it Up!	1			1	1
S6: Blooming Neighbourhoods	1	1	1		2
S7: A Natural Appearance					
S8: Priority for the Minority					
S9: Safe Crossing	1	1	1	1	3
S10: Belonging Bikes	1		1	1	1
S11: Inclusive Accessibility					

The Content: Analysing the Values

All the individual value matrixes

The image displays 15 individual value matrixes arranged in a 3x5 grid. Each matrix is a 5x5 grid with the following headers:

- Lebensfeld** (Lifestyle)
- Economische Chancen** (Economic Opportunities)
- Ecologische Qualität** (Ecological Quality)
- Intelligenz/Geistlichkeit** (Intelligence/Spirituality)
- Soziale Gerechtigkeit** (Social Justice)

The rows correspond to the same headers. Each matrix contains handwritten notes, numbers, and symbols, representing individual value analyses. Some matrices include additional notes like "Lebensfeld ist wichtig", "Ecologische Qualität ist wichtig", "Intelligenz/Geistlichkeit ist wichtig", and "Soziale Gerechtigkeit ist wichtig".

Identifying Values: Main Values per Group

Per group:

1:

- Locality of Nature
- Active Mobility for Health

2:

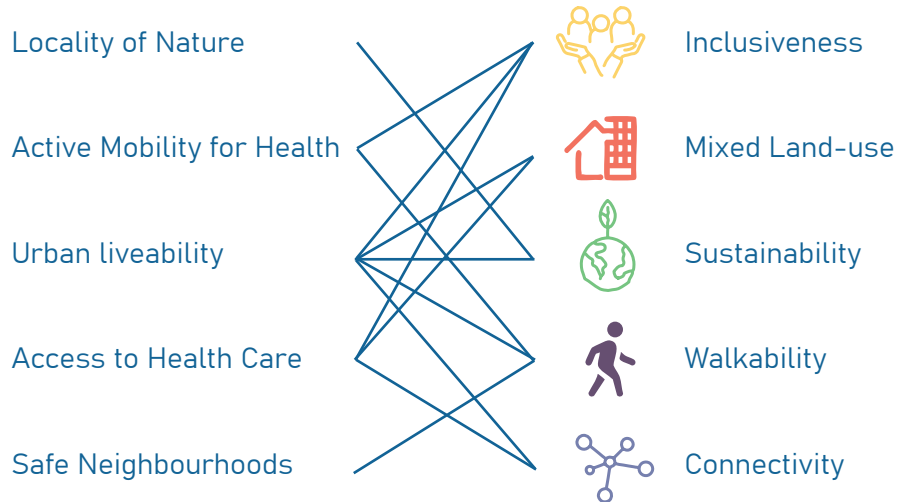
- Urban liveability
- Access to Health Care

3:

- Safe Neighbourhoods

	Values	Chosen	Weighted Choice
1	Safe Neighbourhoods	5	19,79
2	Health Care Access	6	18,93
3	Locality of Nature	7	18,85
4	Cleanliness	4	15
5	Inclusive Access to Amenities	3	11,57
6	Active Mobility for Health	5	11,56
7	Sustainable Travel Options	5	10,5
8	Safe Spaces	4	10,43
9	Nature Conservation	4	10,07
10	Urban Liveability	4	9
11	Youth Centred Development	4	9
12	Climate Oriented Decision Making	2	8
13	Diverse Housing Stock	3	8
14	Inclusive Access to Transport	2	5,72
15	Nature within the Urban Environment	3	5,71
16	Tranquillity	3	5,5
17	Solidarity	2	5,43
18	Nature Preservation	2	5
19	Community Oriented Action	1	5
20	Travel Practicality	1	4,29
21	Space-Conscious Planning	1	4,29
22	Large Scale Connectivity	1	4
23	Experiencing Public Space	2	3
24	Travel Convenience	1	3
25	Travel Safety	1	3
26	Diversity of Amenities	1	3
27	Travel Efficiency	1	2,86
28	Adaptability	1	2,5
29	Autonomy of the Car	1	2
30	Understandable Urban Planning	0	0
31	Aesthetics of the Urban Fabric	0	0
32	Equitable Neighbourhoods	0	0

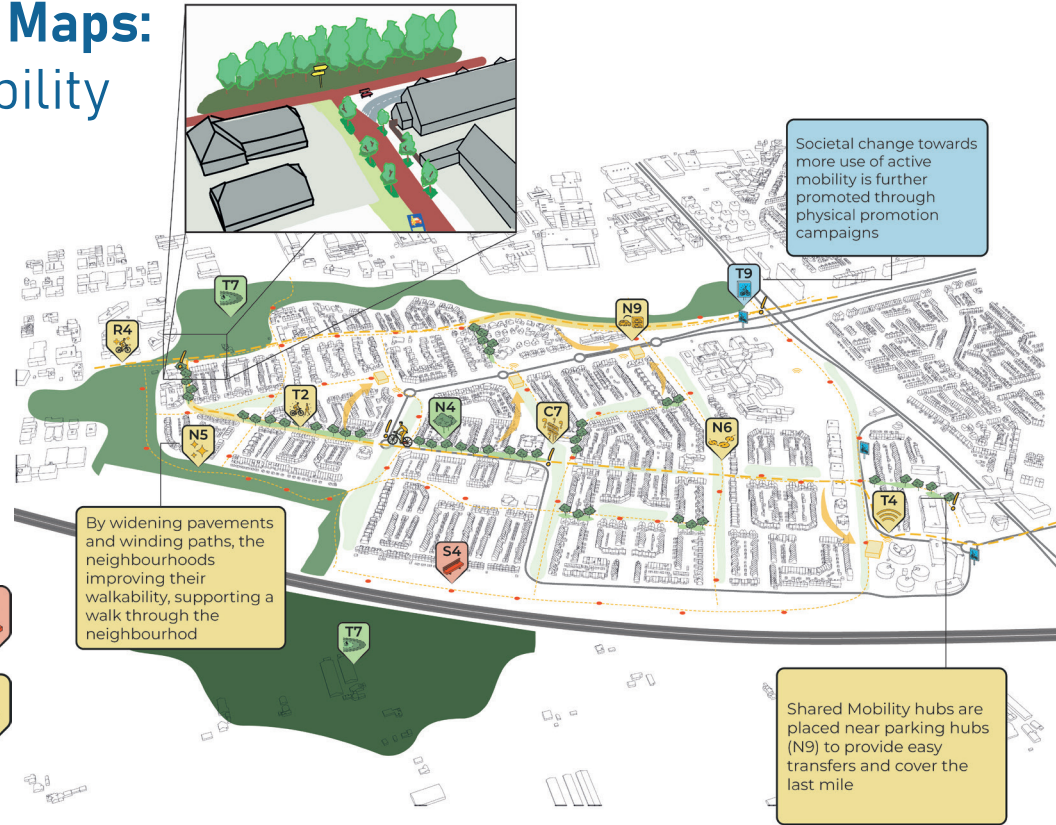
Linking Needs to Values



Applying Patterns: Simplifying Visuals



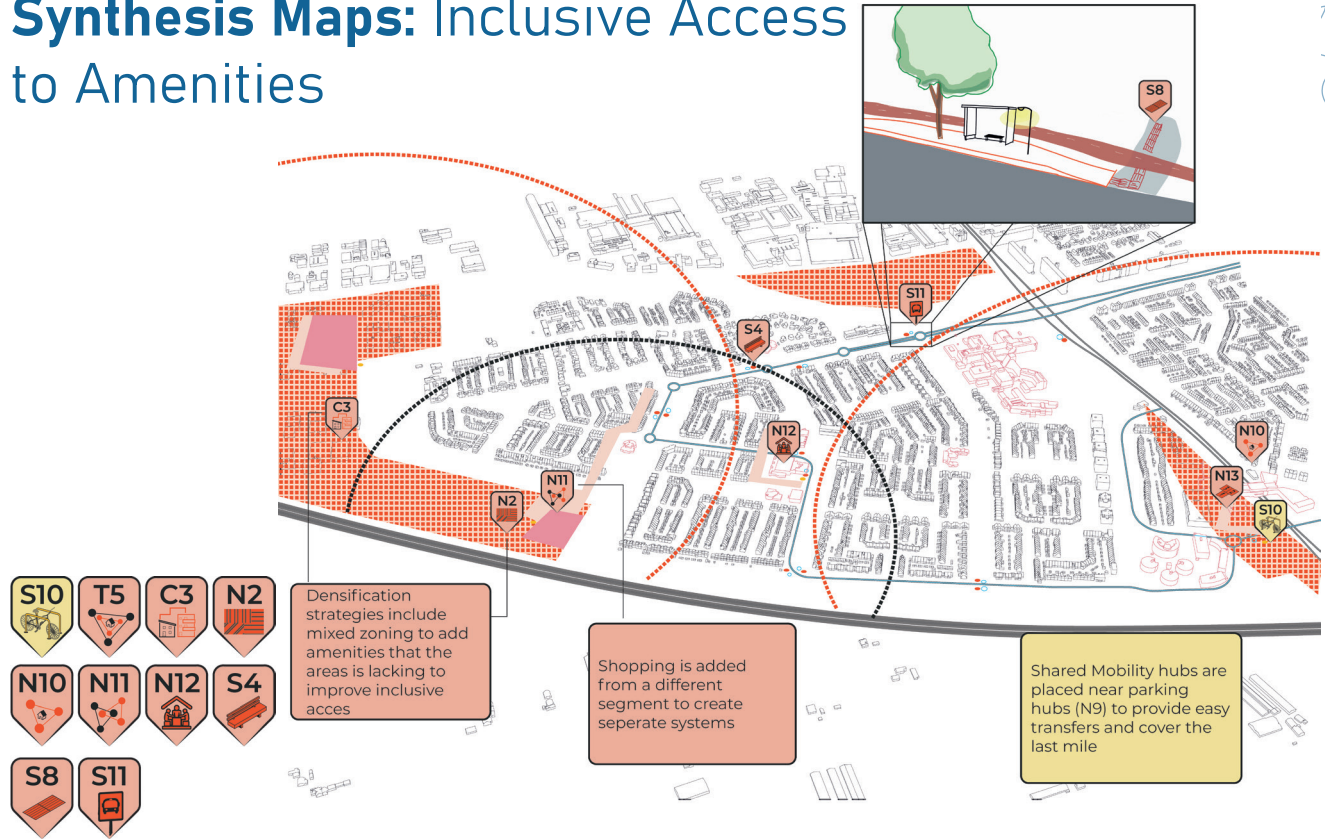
Synthesis Maps: Active Mobility for Health



Synthesis Maps: Safe Neighbourhoods



Synthesis Maps: Inclusive Access to Amenities



Synthesis Maps: Urban Liveability

