Rethinking Urban **Domestic Gardens**

Aligning Urban Domestic Gardens to Concrete Urban Demands



Tarwewijk, a look into the future





- / 'a Tarwewijk with more valuable green in different urban layers'
- / 'a Tarwewijk where green **connects**'









/ 'a Tarwewijk with more **social cohesion**

/ 'a Tarwewijk with a human scale, for the **people**

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Social nvironmen

























Tarwewijk, a look into the present









Esila

"I'm disappointed that my neighbour isn't doing anything with his garden"







Concrete urban demand 1:

Decrease of soil sealing





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"Im disappointed that my neighbour isn't doing anything with his garden"

Gerda

(1)

2

"Elderly experience to much heat in the public space"

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Concrete urban demand 2:

Climate proof urban environment





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Gerda

 $\left(1\right)$

(2)

3

"Im disappointed that my neighbour isn't doing anything with his garden"

"Elderly experience to much heat in the public space"

"Shared gardens would be nice to have, since a lot of people do not own a garden





Concrete urban demand 3:

Densification



+

Friction between available space for development of dwellings and space for urban domestic gardens and green

=

Increased importance of the quality of open spaces like urban domestic gardens for the liveability of the local environment

More stress on the quality of open areas like public spaces and urban domestic gardens

Need for 230.000 new dwellings in South-Holland in the existing urban environment



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Rediscovering the garden & public spaces

Concrete urban demand 5:

Spatial justice: accessible, qualitative outdoor spaces







"Adults/elderly have nowhere to go, there is nothing to do for them"



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Reconnect through urban domestic gardens!





How can **urban domestic gardens** contribute to a more **liveable** urban environment through a **sustainable urban regeneration** of the built environment, in response to **concrete urban demands**?



Value urban domestic gardens?

Environmental values	Microclimate value	Cooling of the urban environment
	Restorative value	Natural replenishment groundwater
Y		Decreasing urban floods
		Increasing biodiversity
		Increasing privacy (front gardens)
		Barrier effect
	Contributory value	Place attachment
		Social cohesion (increased contact neighbour





Environmental values	Microclimate value Restorative value	Cooling of the urban environment Natural replenishment groundwater Decreasing urban floods Increasing biodiversity Increasing privacy (front gardens) Barrier effect
	Contributory value	Place attachment Social cohesion (increased contact neighbours)
User values	Place for passive activities	Place to be passive Sitting and relaxing Watching and feeding wildlife and birds Sunbathing Drying laundry
	Place for active activities	Exersising pets Green maintance/gardening Playing with friends/children Entertaining friends/family Eating picnicking outside
	Restorative values	Place of peace and quietness Increasing mental health Increasing physical health Social well-being
	Representative value	Selling point to others









"Educational elements needed in the public space, for example once a week a lesson about an animal, flowers or plants."









Design Principles






"I have fake grass and plants to make the garden appear to be green, because I don't know how plants/green work. I would love to be educated about green"



Social environment



































Quality of life in the neighbourhood must be improved by planting trees. Its too hot'























Activating the potential of urban domestic gardens











































"I don't want to share my garden with other people"







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"Add roofgardens on top of the building blocks. Make more use of the space"









New qualities public space:

(1) $E_{ating 2} + P_{laying}$ 3 Playing ② Greening + Cooling + Infiltrating ④ Working 1







Typology in numbers:

Housing:	
-160 dwellings (demolished):	12.140 m2
+244 dwellings:	22.790 m2
+84 dwellings	+10.650 m2

Commercial functions:

-595 m2 +410 m2 ------







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Green roofs are used for water storage and cooling of the environment, or as an active roof, with **semi-private** roof garden, usable by a specific block as an allotment garden for growing local fruits and vegetables.









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Physical





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