

Adjusting to Adaptation: Strategies to redesign the public space

Marianne Hubeau

Content

I CONTEXT

WHY?

What are the **OBJECTIVES** of garden streets?

II GARDEN STREETS

HOW?

What is the **ROLE** of residents?

III UPSCALING

How to jump from **EXPERIMENT TO REALITY**?

What are the **RESULTS**?



Lange Riddersstraat, Antwerpen

VOOR



Lange Riddersstraat, Antwerpen © Jeroen Broeckx

NA

I. Context

WHY garden streets?



Rising sea level



Water scarcity and drought



Flooding

WHY garden streets?

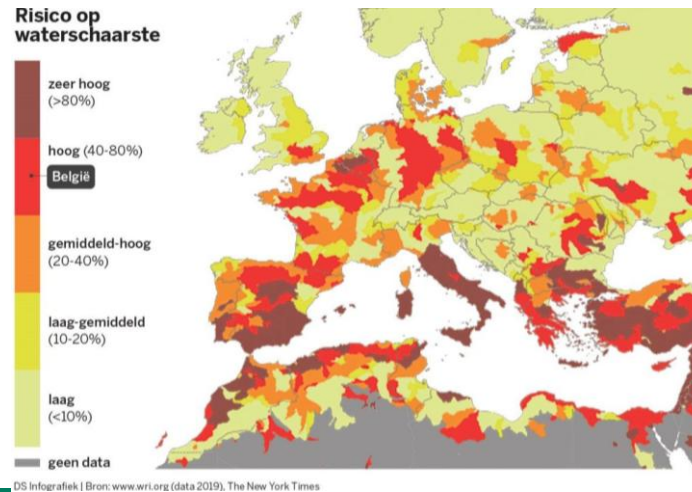


Increasing amount of heatwaves

Excess mortality among the elderly and children.

Summer 2022: 5,7% excess mortality

Bron: sciensano.be



Risk of water scarcity

Belgium is comparable to southern Spain

Bron: Bluedéal



Climate adaptation strategy

Water plan, Green plan, Climate plan,...

What are the OBJECTIVES of garden streets?



© City of Antwerp



Greening



© City of Antwerp



Blueing



© City of Antwerp



Social cohesion

What are the **OBJECTIVES** of garden streets?



For the residents

Liveability and social cohesion



For the climate

Blue-green infrastructure & cooling



Innovation

Dare to test in practice

What are the **OBJECTIVES** of garden streets?



New design principles

Innovative materials, new participatory processes, and new design culture



Higher ambitions

Water, depaving, heat, drought, greenery



Pioneering role

Dare to experiment to become future-proof

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Azielaan © City of Antwerp



Lange Riddersstraat © City of Antwerp

II. Garden streets

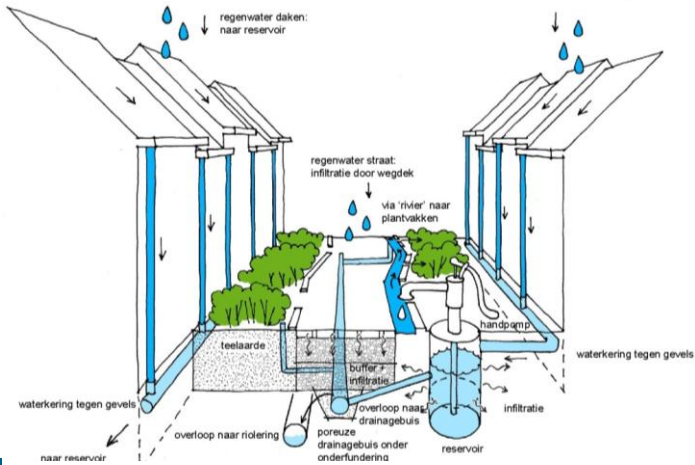


Experimenting – city lab

- **Project approach**
- **Participation**
- **Techniques**
- **Maintenance**

A pilot project gives more degrees of freedom to try out new things. Residents can participate and get involved.

How?



New water concepts



Optimal greening

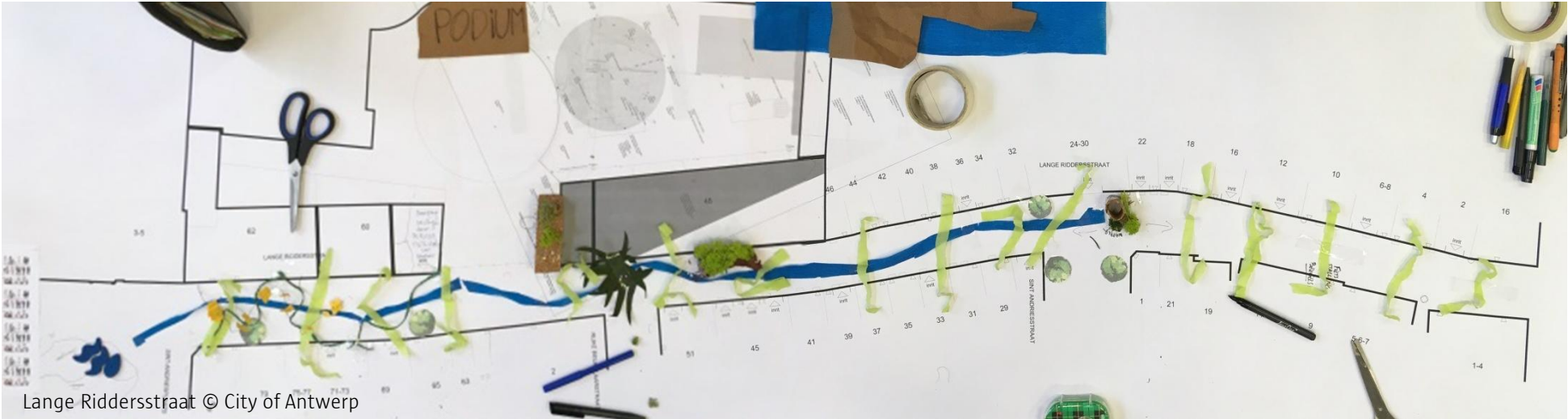
New materials & techniques



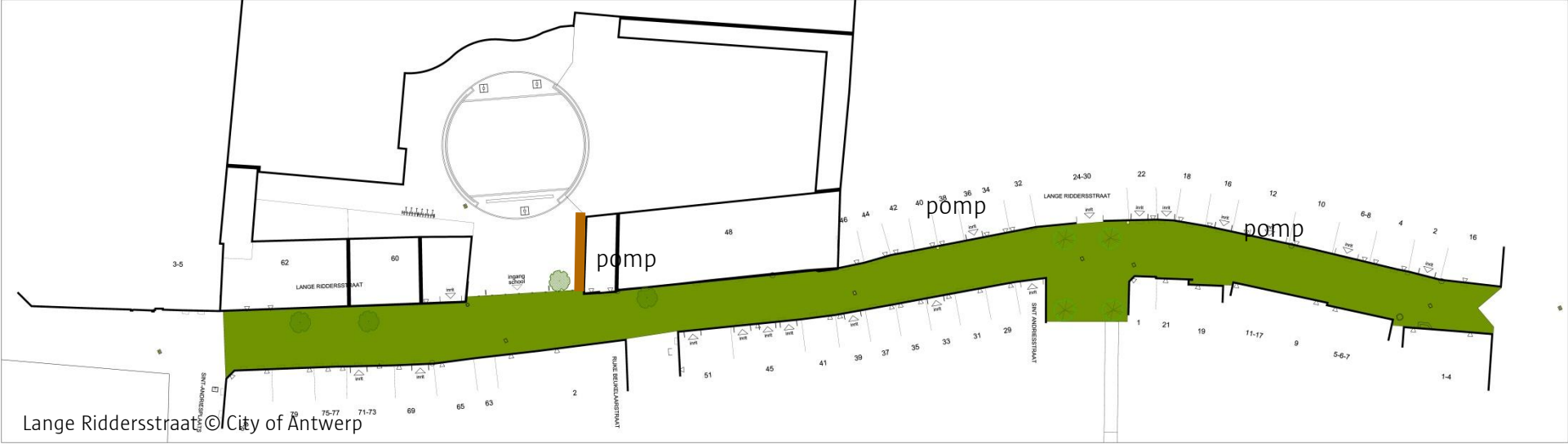
Leading by example

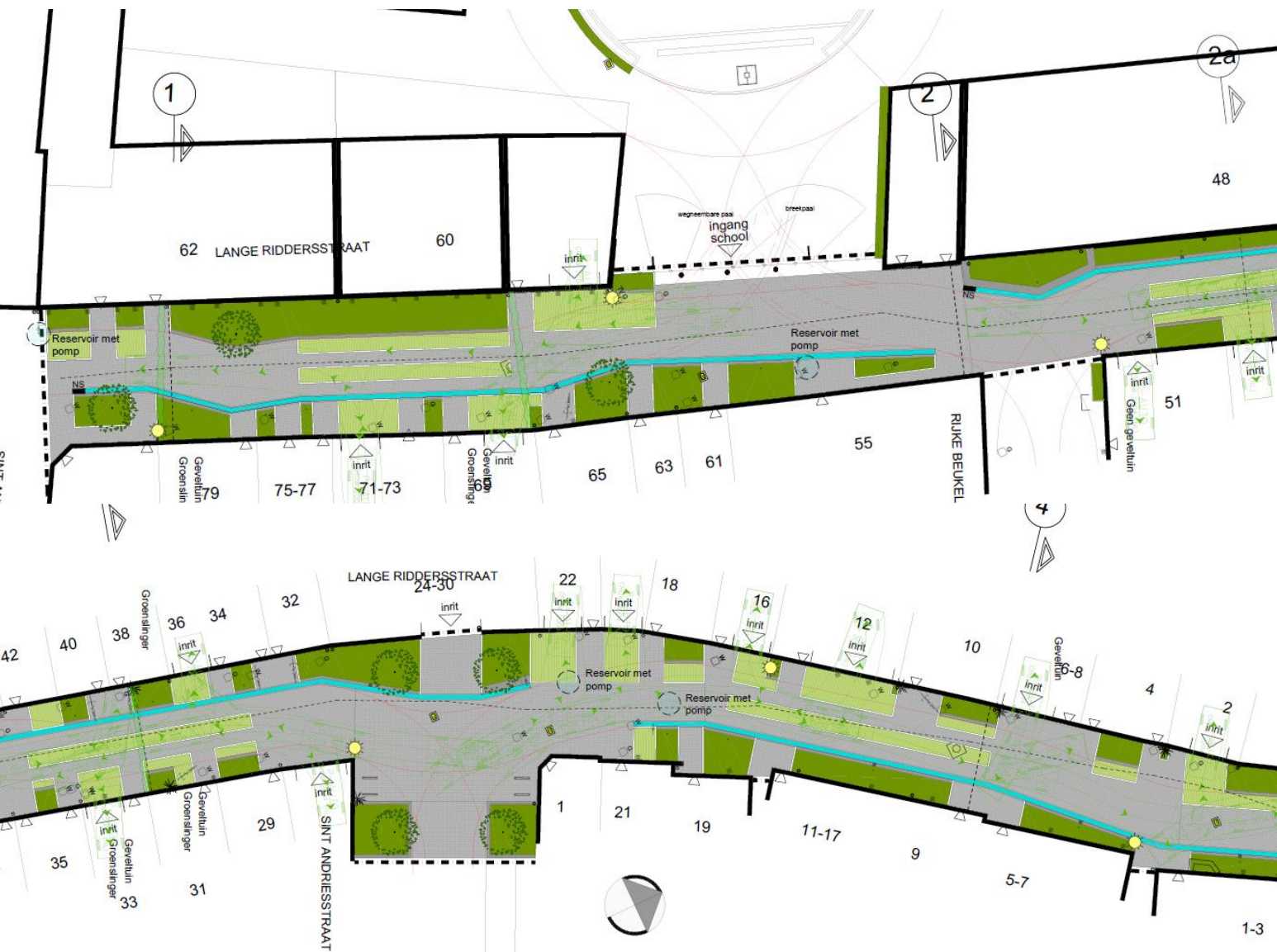
Experimenting, monitoring & evaluating

How to co-design?



How to co-design?





Lange Riddersstraat © City of Antwerp



Lange Riddersstraat © City of Antwerp

What is the role of residents?



Deliberately planning a participatory process

Meet – inform – inspire – consult

Team effort



Residents are experts by experience

Survey tool: first listen, then design



Residents as initiators

Bloemstraat: > 80% of plant beds are maintained by residents



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De Berghen © City of Antwerp

NA

III. From experiment to reality

From experiment to reality



Lange Riddersstraat © City of Antwerp



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From experiment to reality



Bloemstraat © Jeroen Broeckx, City of Antwerp



Bloemstraat © Jeroen Broeckx, City of Antwerp

From experiment to reality



Aziëlaan © City of Antwerp



Aziëlaan © Jeroen Broeckx, City of Antwerp

From experiment to reality



Tuinstraten Berchem © Jeroen Broeckx, City of Antwerp



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From experiment to reality

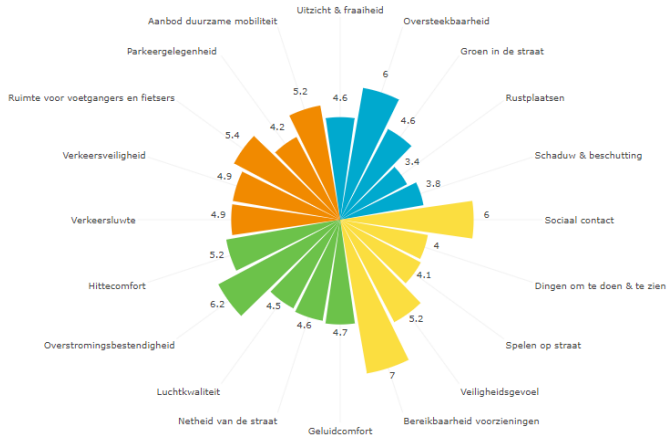


Jan Olieslagersstraat © Jeroen Broeckx



Jan Olieslagersstraat © Jeroen Broeckx

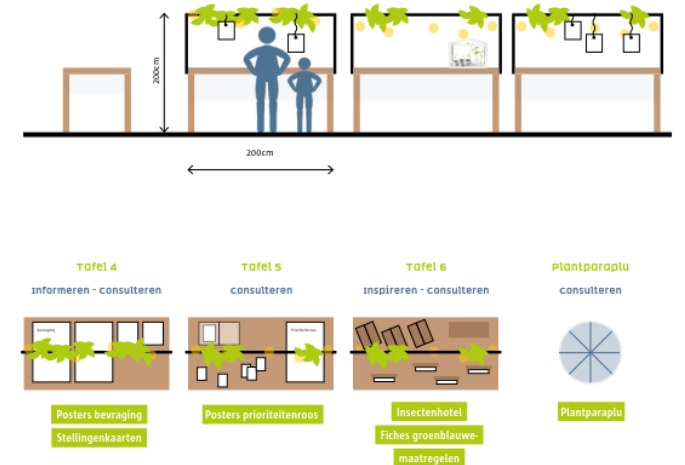
What are the RESULTS? Tools



Survey tool

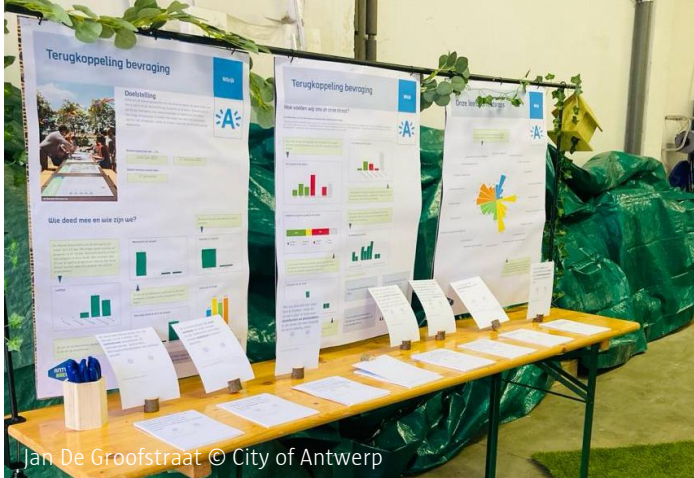


Participation toolbox



New design guidelines

What are the RESULTS? Process



Jan De Groofstraat © City of Antwerp

Enhancing of internal collaborations



De Bergen © City of Antwerp

Enhancing of external collaborations



Leo Vermandellei © City of Antwerp

New policy frameworks

What are the RESULTS?



Climate-resilient Antwerp

Every m² counts

Every voice counts



Azietaan © Jeroen Broeckx

A more pleasant environment for our residents



Lange Riddersstraat © Jeroen Broeckx

Turning renders into reality

QUESTIONS ?



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