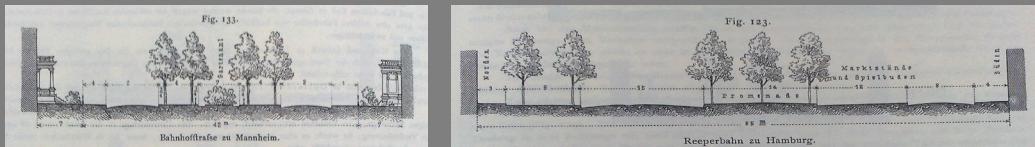
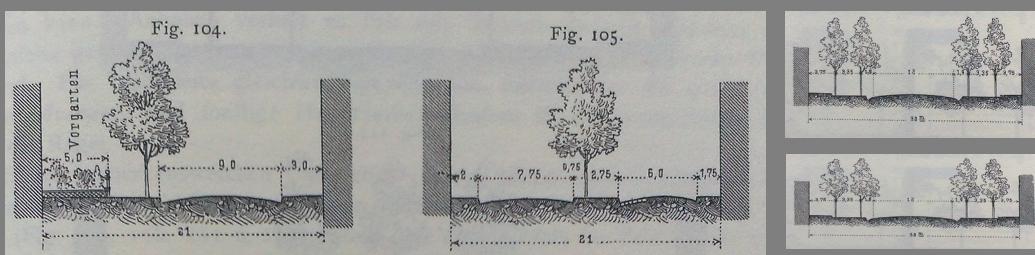
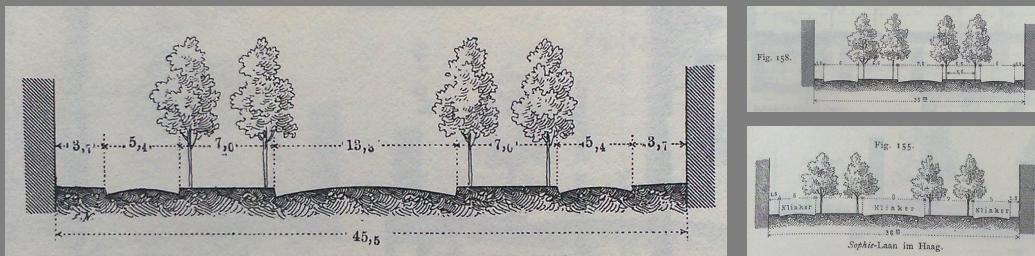
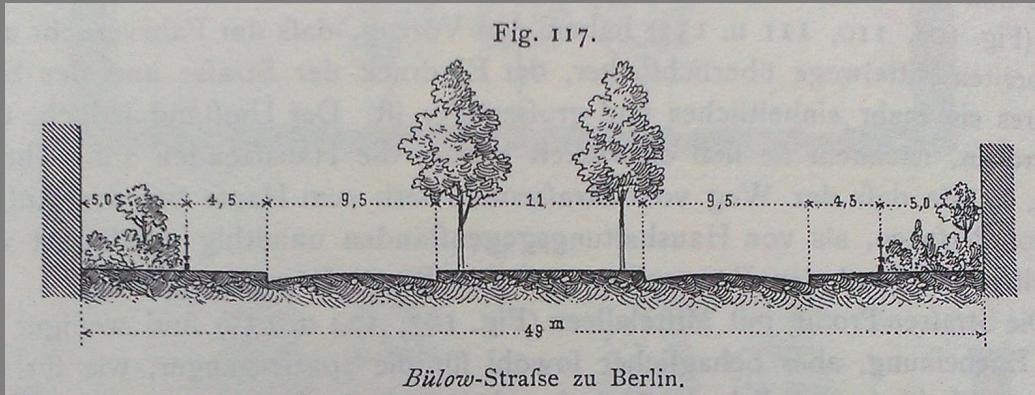


Groningen: Healthy Streets make Healthy Cities

Cor Wagenaar Expertise Center Architecture, Urbanism & Health

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„HEALTHY STREET MAKER“



Streets

>two functions:

-connection:

traffic, mobility, transportation

-destination (places):
play, theater, socializing

Both are related to health!

Note: *only* when people use it as
pedestrians and/or cyclists!

Note: assessing health impacts
only makes sense if they are
studied in relation to *daily living
patterns*

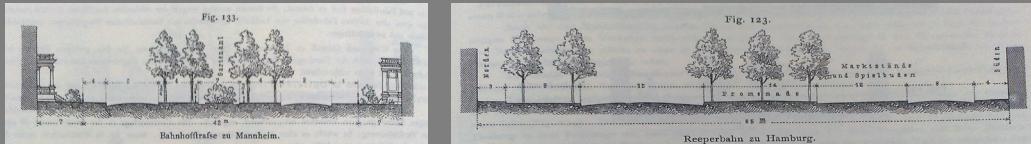
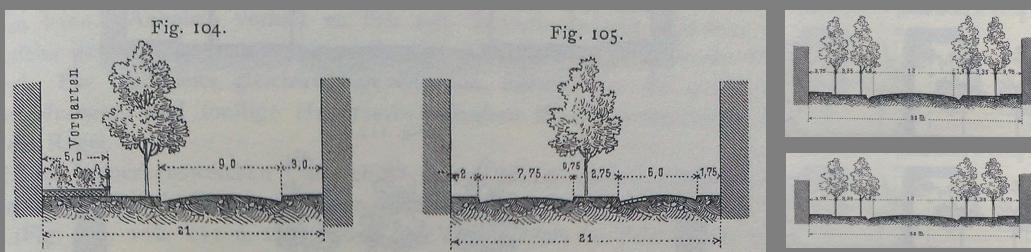
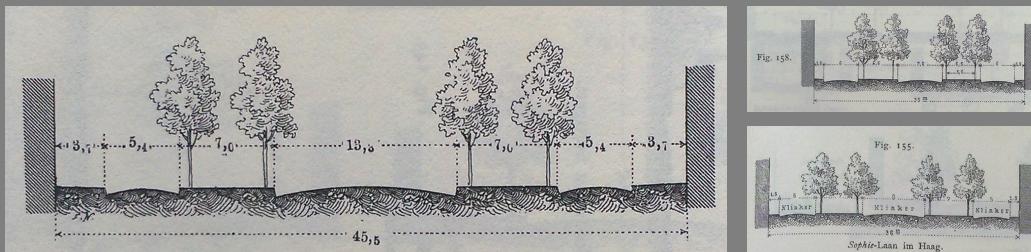
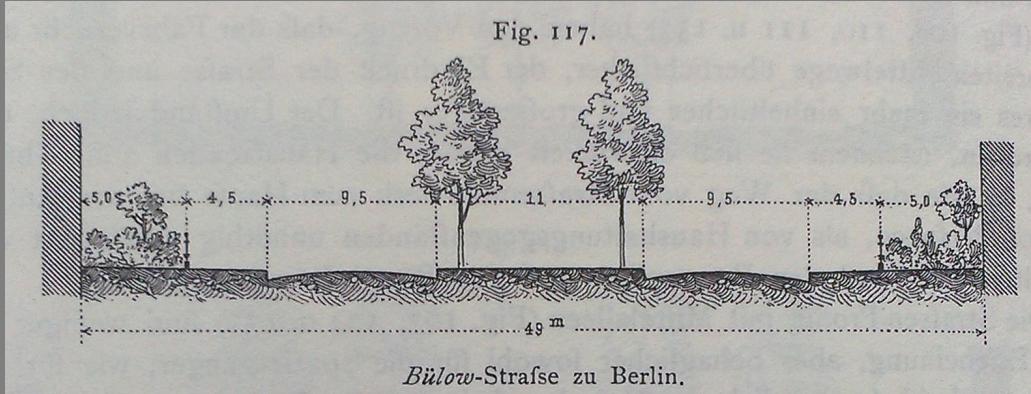
Joseph Stübben, *Der Städtebau*, 1890

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Streets

Fazit: it only makes sense to study the health effects of streets in the broader context of urban analysis and urban planning

>in practice: focus on the scale level of a *neighborhood*

Tools: (non-medical) urban (and sometimes architectural) interventions

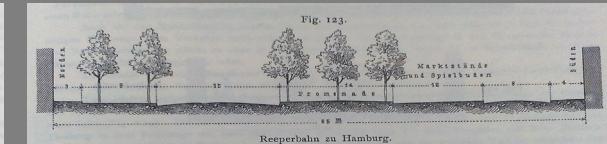
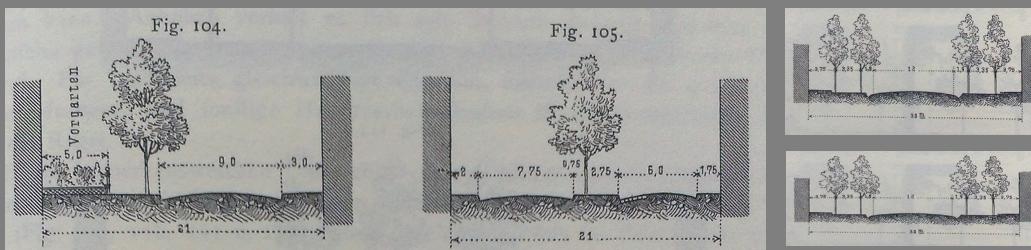
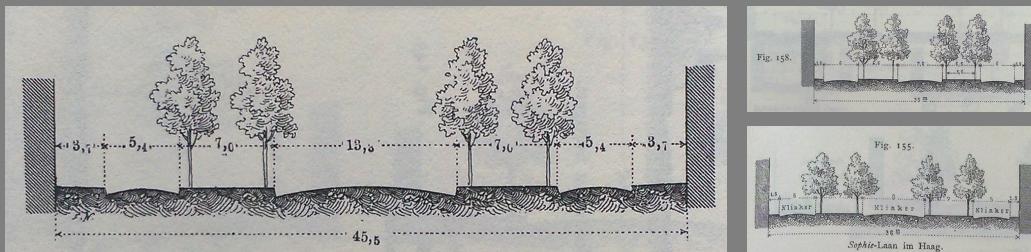
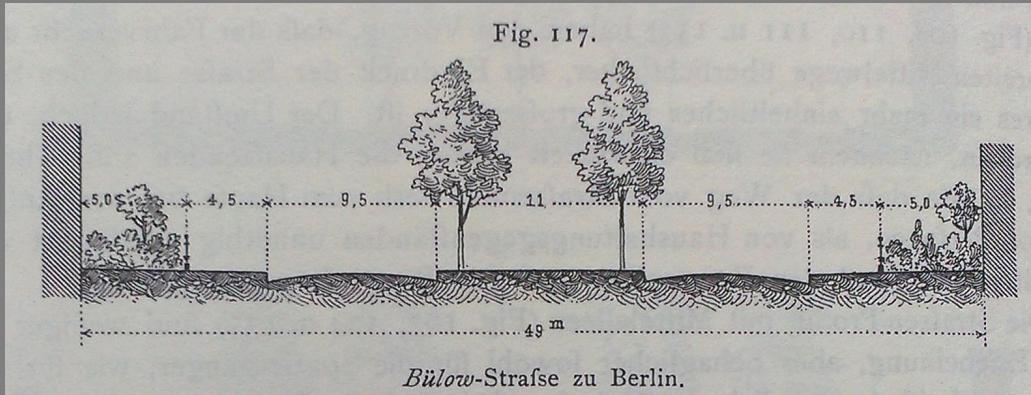
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Streets

Limitations:

>it takes many years to realize urban (and architectural) interventions

>health outcomes only occur *indirectly*. Link: lifestyles and behavior

>architects and urbanists lack the skills for assessing health outcomes

>architects and urbanists lack the skills for assessing lifestyle effects

Joseph Stübben, *Der Städtebau*, 1890

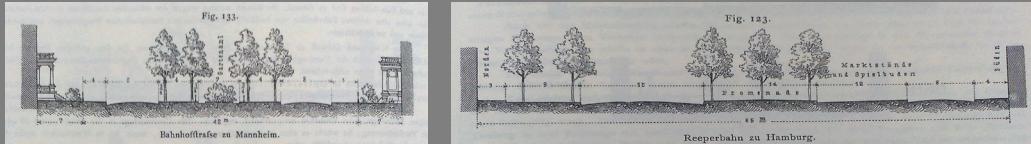
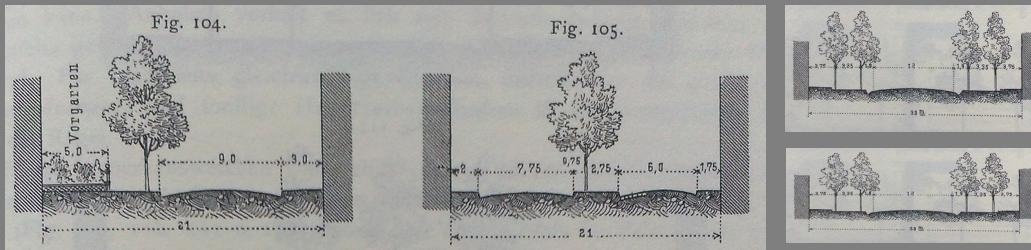
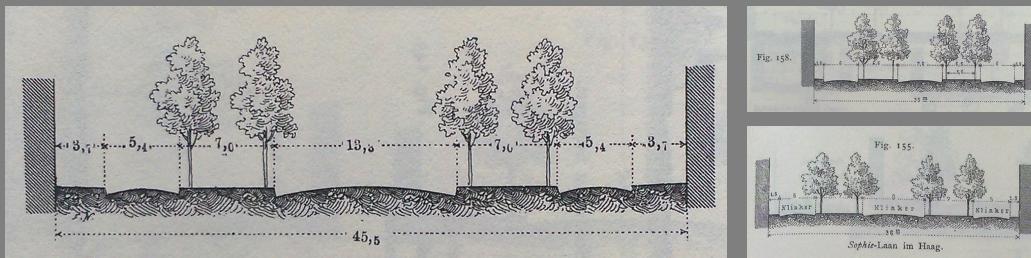
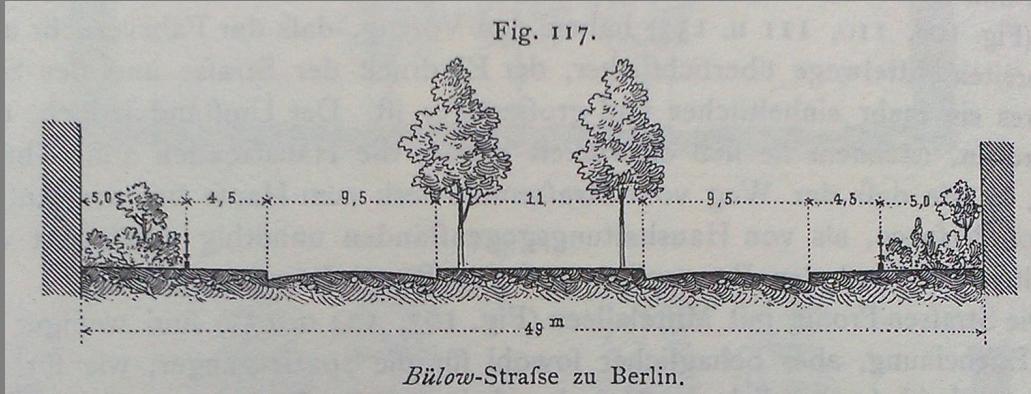
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Streets



Mission impossible?

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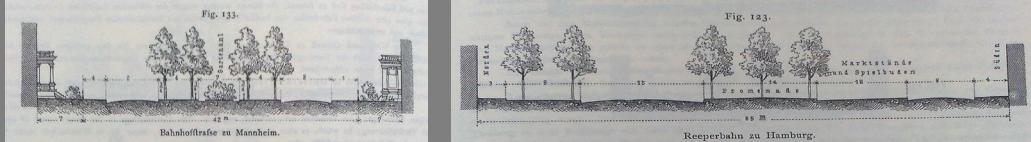
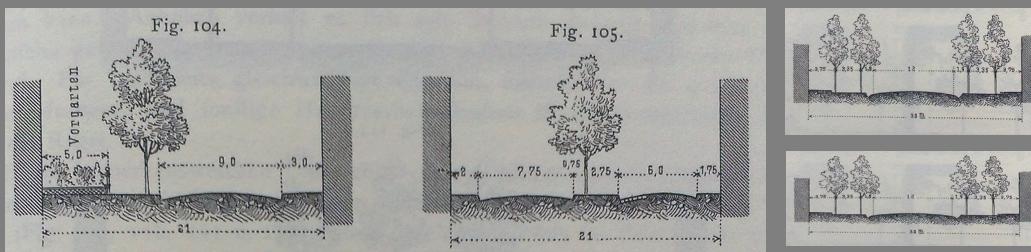
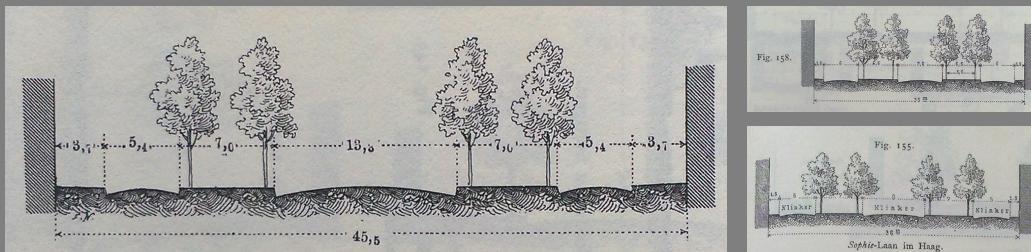
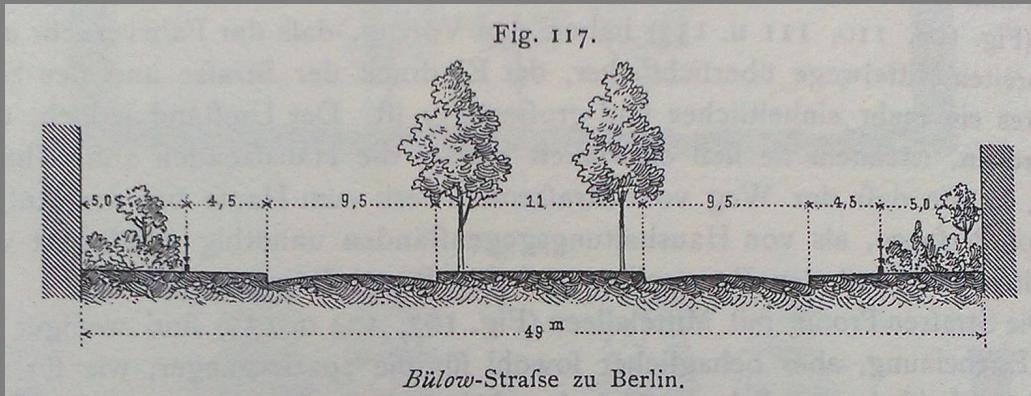
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„HEALTHY STREET MAKER“

Streets Minimum requirements

- A multidisciplinary team
 - .public health experts
 - .co-creation experts
 - .inhabitants
 - .designers
- An urban analysis of the original plan/model and later changes
- An analysis of the original social composition and later changes
- Public health data



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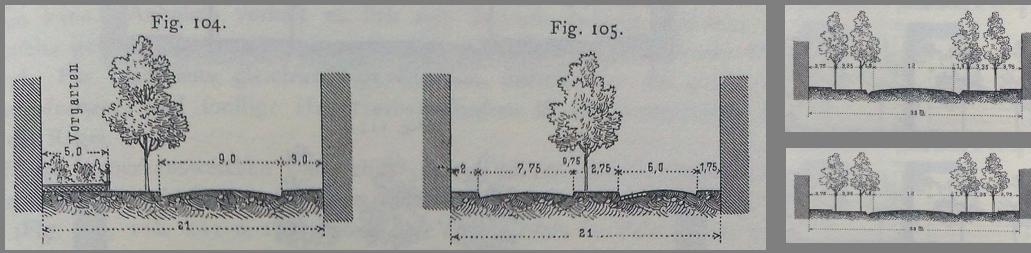
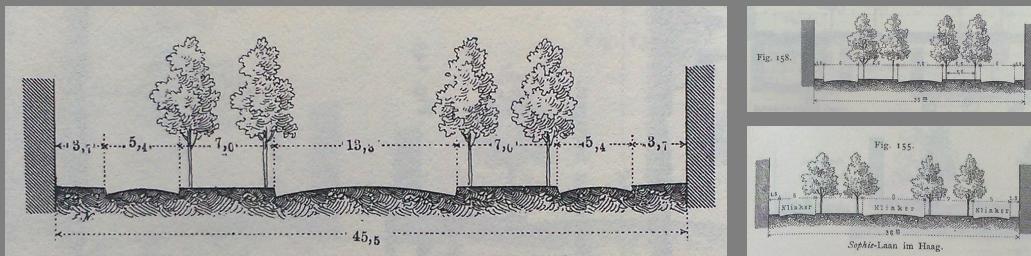
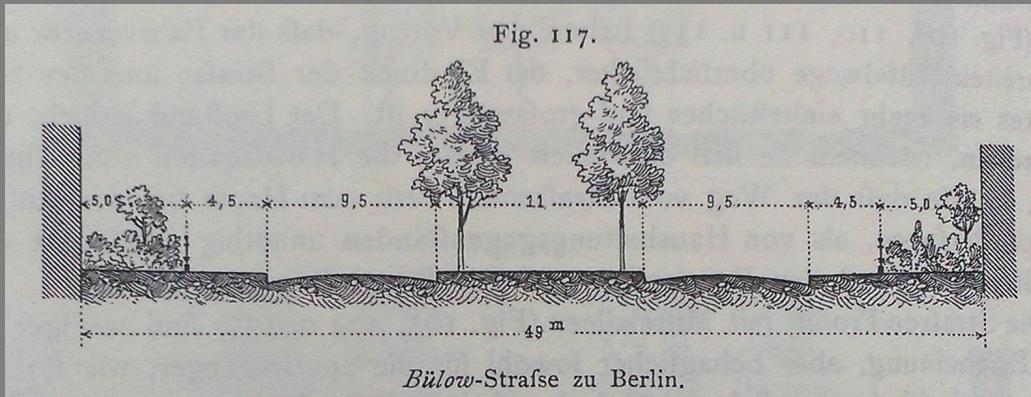
Streets

Pilot project: *Urban Design for Improving Health in Groningen (UDIHiG)*

Aim: improving public health in a typical, generic post-war neighborhood. Case-study: Paddepoel

Means: architectural and urban interventions

Joseph Stübben, *Der Städtebau*, 1890



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„HEALTHY STREET MAKER“



Het gemeenschapcentrum bevat voorzieningen voor individuele en gemeenschappelijke wijkbediening en instellingen die ten dienste van de bevolking staan:
een gemeenschapsruim dat als familieclub kan dienen, met conservatie kamers en cantine, spelkamers voor volwassenen en speelkamers voor de jonge kinderen;
een zaal voor de toneelverenigingen, filmclubs, zangvereniging, schooljeugd, enz. Maar ook een kleinere zaal voor dergelijke bijeenkomsten en feestelijkheden;
een ontwikkelingsgebouw met leeszaal-bibliotheek, cursuskamers,

handwerkcamer, leskeuken, knutselkelder en tentoonstellingskamer; een gezamenlijke zaal voor de Kruisvereniging en met een politiek en consultatieruimte, sociëteit, zalenhal en een overdekte oefenhallen met allerlei hulpfaciliteiten, zodat men niet voor alles de rech naar het stadhuis hoeft te onderneemen en met een trouwzaal, die ook als raadszaal voor de wijkraad kan dienen. Zaken die nu worden niet's nachts door de kabouters uit de grond gesprengt. En meer voor gewekt worden! Om te beginnen kan men streven naar een evenwelder wijkgebouw en zelfs dit zal in deze tijd niet gemakkelijk zijn.

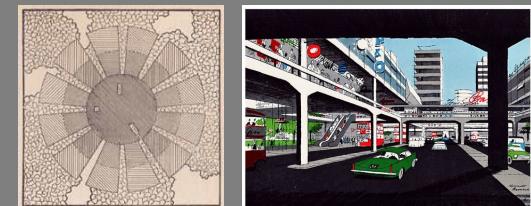
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„HEALTHY STREET MAKER“

Urbanism



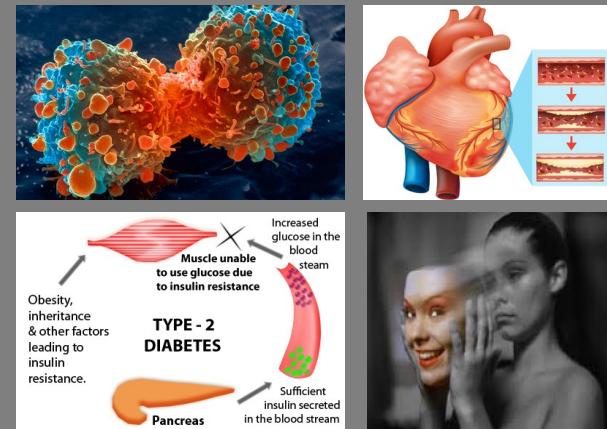
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Lifestyles



Health Impacts



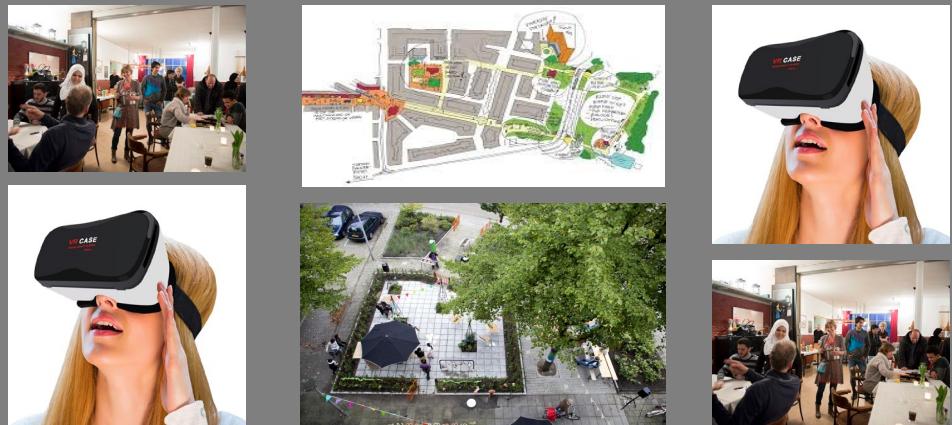
Diagnosis



Intervention



Evaluation Alternatives



Evaluation

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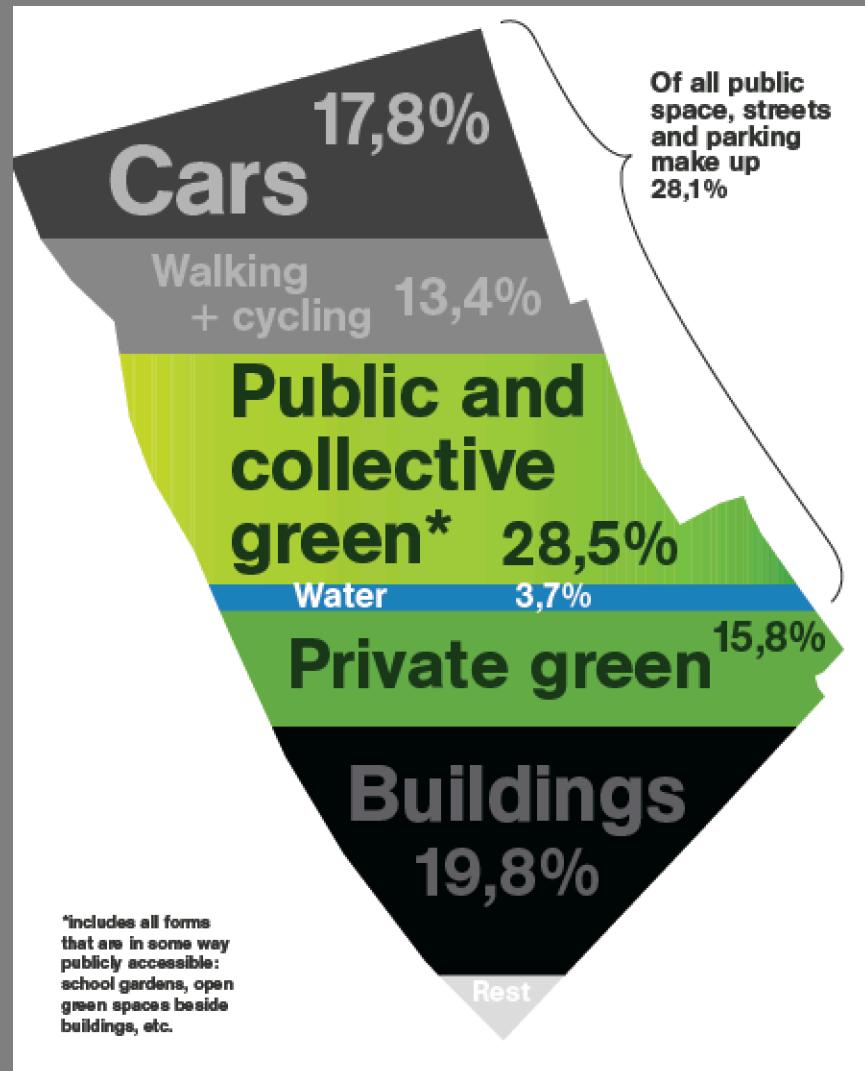
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Diagnosis: urban analysis

- >Original plans
- >Building stock (years, heights, typologies entrances)
- >Hard and soft surfaces
- >Greenery
- >Mobility: cycling, public transportation, car traffic, profiles, parking, facilities
- >Observations

PDF

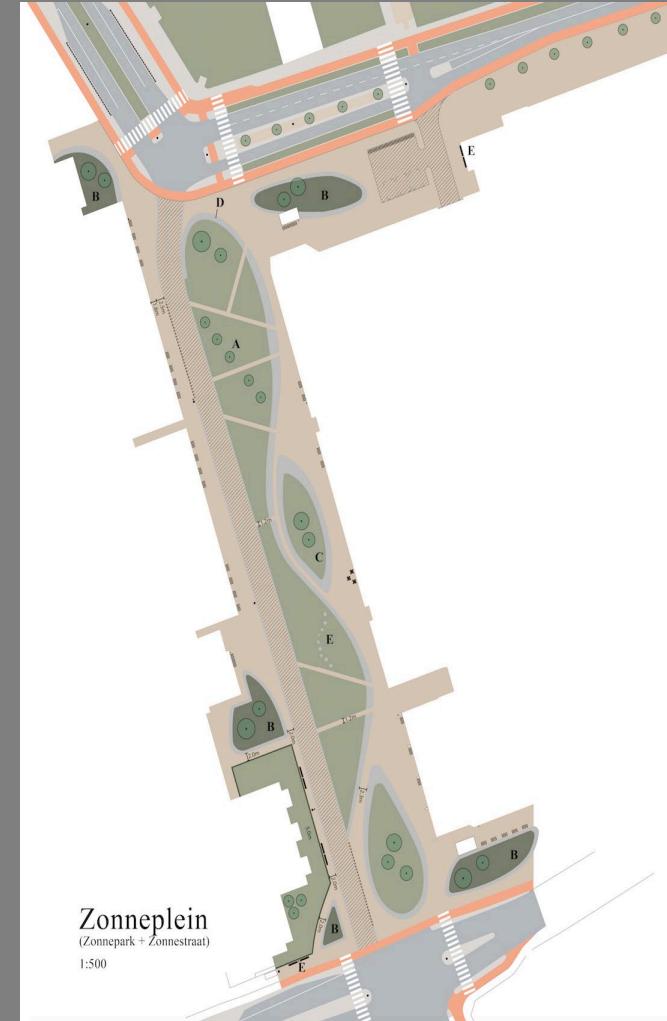


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Pilot: shopping center; re-design for accessibility



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Virtual Reality: Visualization, Experiencing, Evaluation, Designer's brief

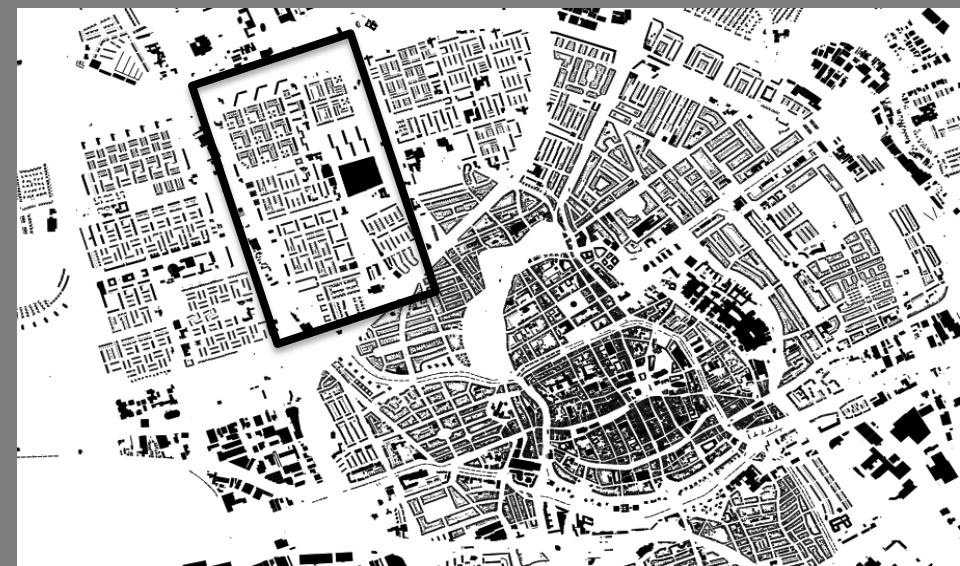


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Consortium

Manda Broekhuis



Menno Reijneveld



Jeroen de Willigen



Stefan van der Spek



Derk den Boer



Jolanda Tuinstra



Cor Wagenaar



Mariëke Zwaving



Frans Jaspers



Frans Greven



Mark Mlobach

