



Lived experience from eye-level

Big Data
Online surveys
Online communities

Observable activities in physical locations

Socio-demographic data and market research

## Understanding how we live...



Conscious decisions empowering people by providing the outlet to act sustainably



**Everyday convenience** enabling everyday routines to act subconsciously



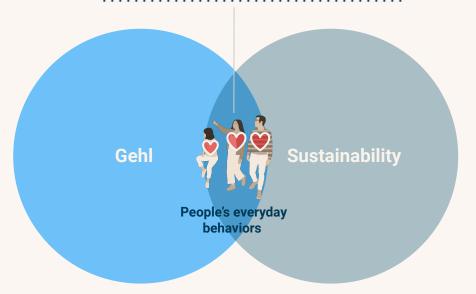
## ...to shape what we design.



## ...and design for a sustainable behaviour

#### People & life first sustainability

- Sustainable behaviour
- Social sustainability
- Sustainable mobility
- Microclimate in public spaces



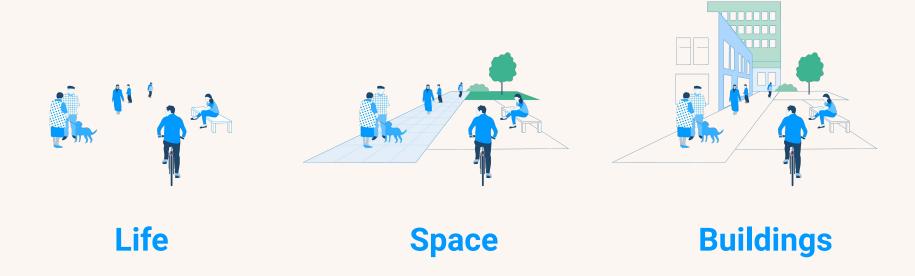
#### **Gehl**

- Cities for people
- Human scale
- People & life focus

#### Sustainability

- Certifications DGNB, LEED, BEAAM
- Engineered approach
- Carbon and numbers focus

## The Gehl approach of 'Life first'



Gehl — Making Cities for People

## 'Life-First' considers systems-wide behavior change





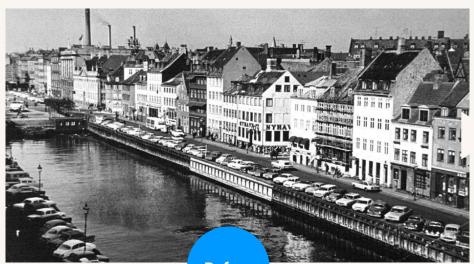


Gehl - Making Cities for People

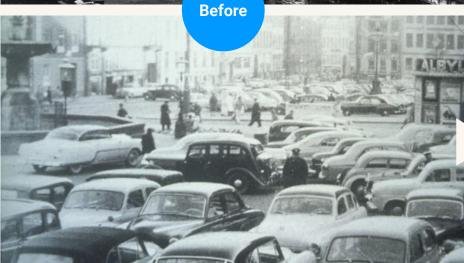
# Enabling change of mindsets while imagining what a place can be like...



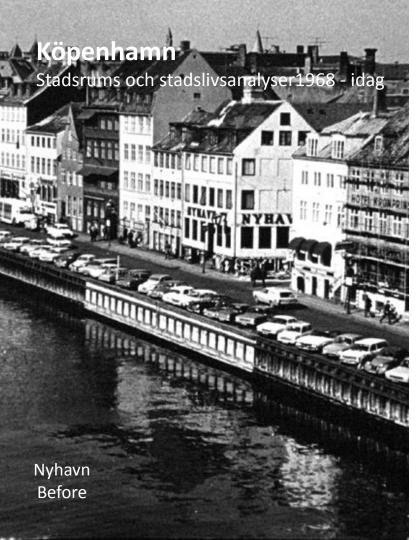


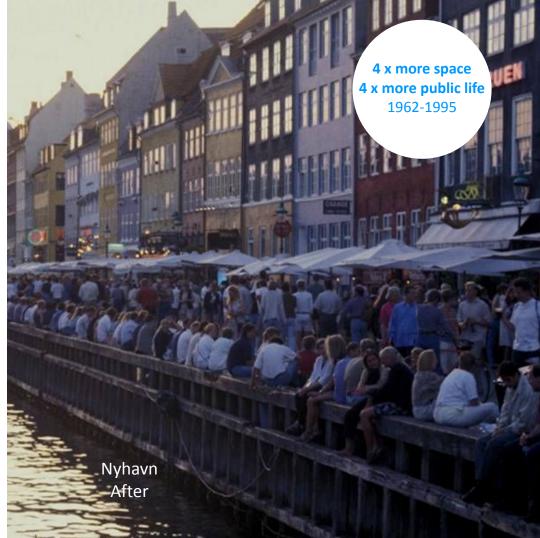


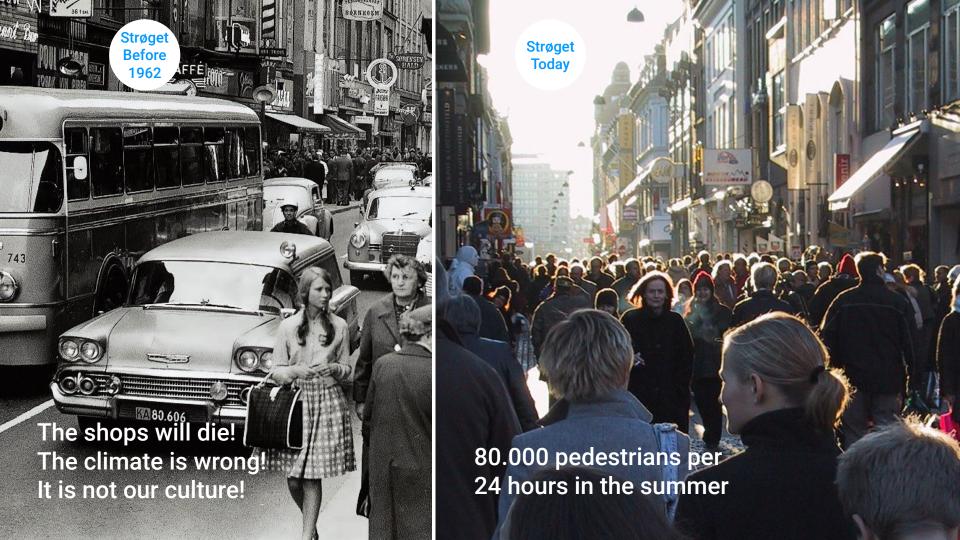






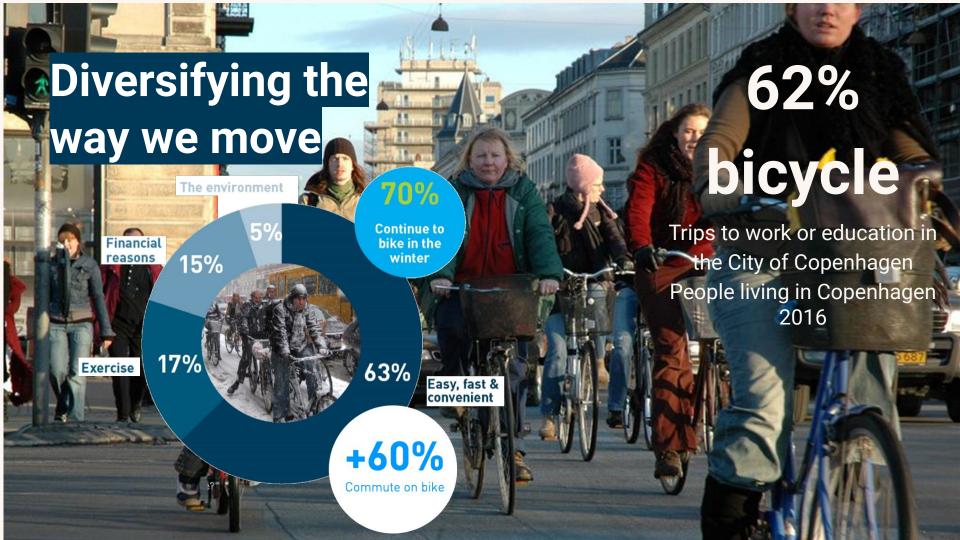














## **Prioritizing soft mobility**









Gehl — Making Cities for People

Presentation Waterfront references



## Using temporary activation as a tool to test





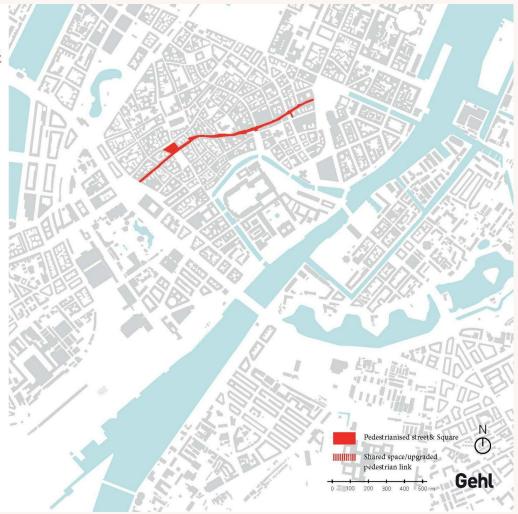


- The City to the waterfront

1962

#### First steps

• Pedestrianising Strøget, 1962

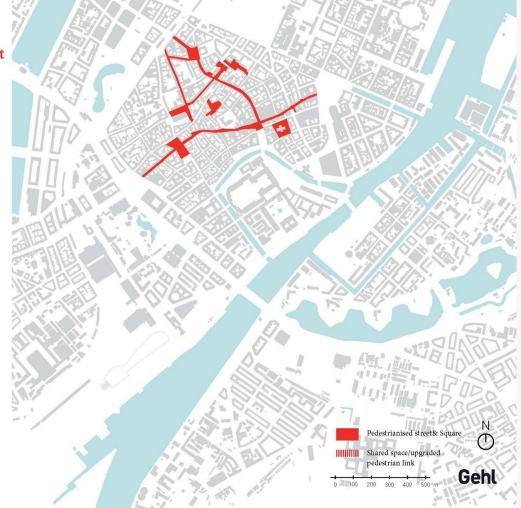


- The City to the waterfront

## 1973

Calming of the centre... 49.200 m2 carfree streets and squares

- Gråbrødretorv 1968
- Købmagergade 1973
- Stora Kannikestrædet 1673
- Rosengaarden 1973
- Pilestræde 1973
- Gammeltorv og Nytorv 1973
- Kultorvet 1973

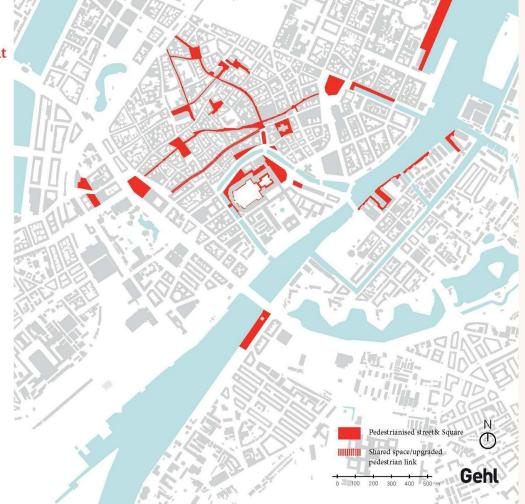


- The City to the waterfront

## 1996

#### Reaching out to the water

- Nyhavn 1980
- Amaliehaven 1983
- Axeltorv 1988
- Strædet 1992
- Islandsbrygge havnepark 1994
- Gammel Strand 1991
- Ved Stranden 1995
- Højbro plads 1986,1996
- Råd huspladsen 1996

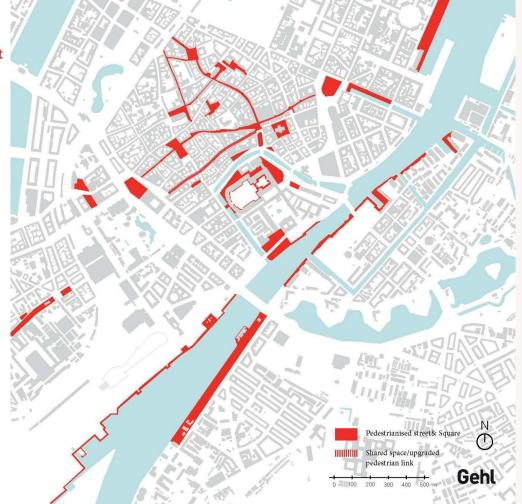


- The City to the waterfront

## 2005

#### Waterfront city emerging

- · Søren Kirkegaards plads 1999
- Kalvebod brygge 1998 2001
- · Christiansbro 1998-1999
- Sønder Boulevard 1999-2003
- Islandsbrygge havnebad 2095-2003

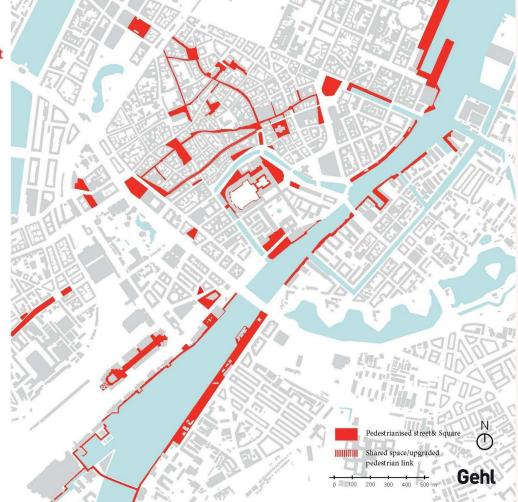


- The City to the waterfront

## 2011

#### Waterfront city emerging

- Skuespilhuset 2007
- Havnepromenaden 2011
- SEB bank og pension 2011
- Krystallen 2011
- Torvehallarne 2011



- The City to the waterfront

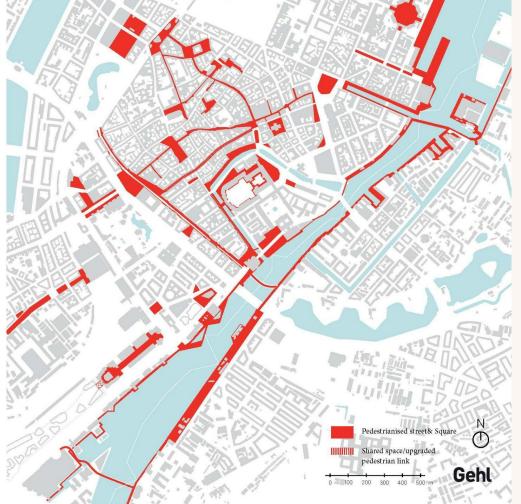
### 2021

### Connecting to and over the waterfront

- Kalvebod bølge 2012
- Vester Voldgade 2013
- · Vesterbro passagen 2014
- Israels plads 2014
- Hauser Plads 2014
- Nørreport Station 2015
- · Kvæsthusbroen & Ofelias Plads 2016
- · Nyhavn, last piece
- Blox & public spaces 2018
- Frederiksholms kanal 2019
- Metro stations; Gammel Strand,
   Rådhuspladsen, Københavns H 2019

### Connecting over the waterfront; new pedestrian & bicycle bridges

- Cykelslangen 2014
- Trangravsbroen & Proviantbroen 2014
- Cirkelbroen 2015
- Indrehavnsbroen 2016
- Frendriksholmskanalbro 2016
- Lille Langebro 2019







## **Lived experience data**



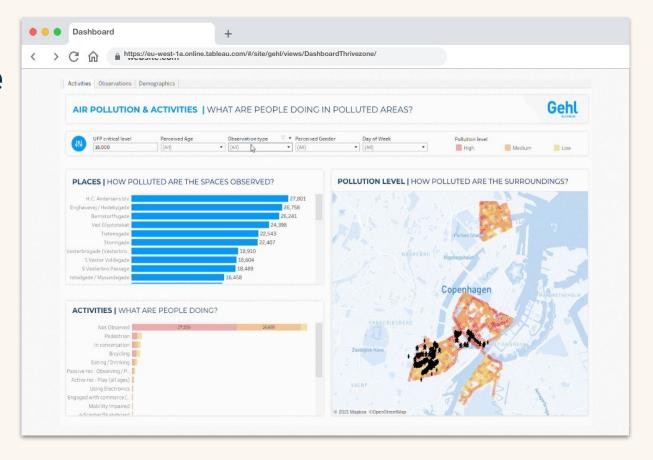
## Air quality data



)

## Understanding the quality of the air we breathe





Gehl – Making Cities for People Bristol Commons – Santa Ana, California 31

# Many small children spends time on streets with a lot of air pollution

0 - 6 year olds passing per day

20 200

350

Average UFP levels Colours have been changed to highlight local variability

lower within the neighbourhood higher within the neighbourhood



Designing Thrive Zones for our youngest residents 2019

Geht | Bernard van Leer Foundation | Copenhagen Solutions Lab | Google | Utrecht University

2

### We also found streets with better air quality where many small children are

0 - 6 year olds passing per day

20

200

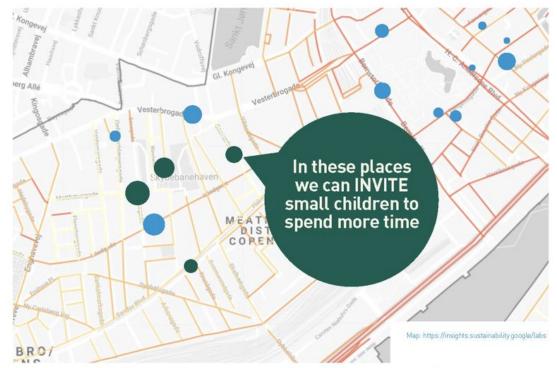
350

Average UFP levels

Colours have been changed to highlight local variability

lower within the neighbourhood

higher within the neighbourhood



Designing Thrive Zones for our youngest residents 2019

Geht | Bernard van Leer Foundation | Copenhagen Solutions Lab | Google | Utrecht University

## Handlingsplan:

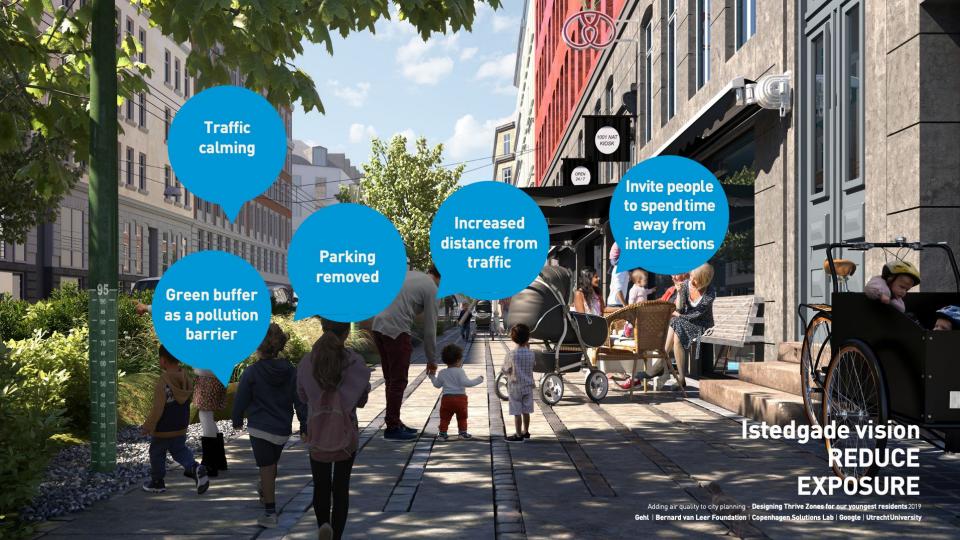
## The cleaner air network

Reduce exposure to air pollution

Invite to cleaner air routes and spaces





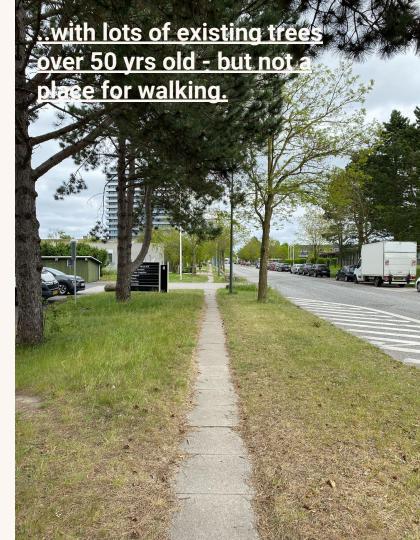












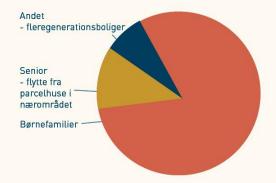
### Understanding the life of the future users

#### Livet i Smedeland

Målgruppens værdier

### Hvilke funktioner og destinationer skal understøtte det gode liv?

Dagsinstitution (1000 boliger = 1000 børn) Friarealer - dobbeltudnyttelse - åbent om aftenen - dispensation - udflytter. Bemærk at det er 40 m2/ barn udeareal i kommunen.





# Using microclimate analysis to program the public spaces













## With E&P's wood frame factory located on site...



...the district can be build almost entirely on site.













Gehl — Making Cities for People 46

## We dare to design cities with a 'Life-First' approach, prioritizing people, place & planet

