

**Cities for the Future ?**

**Some confusion here!**



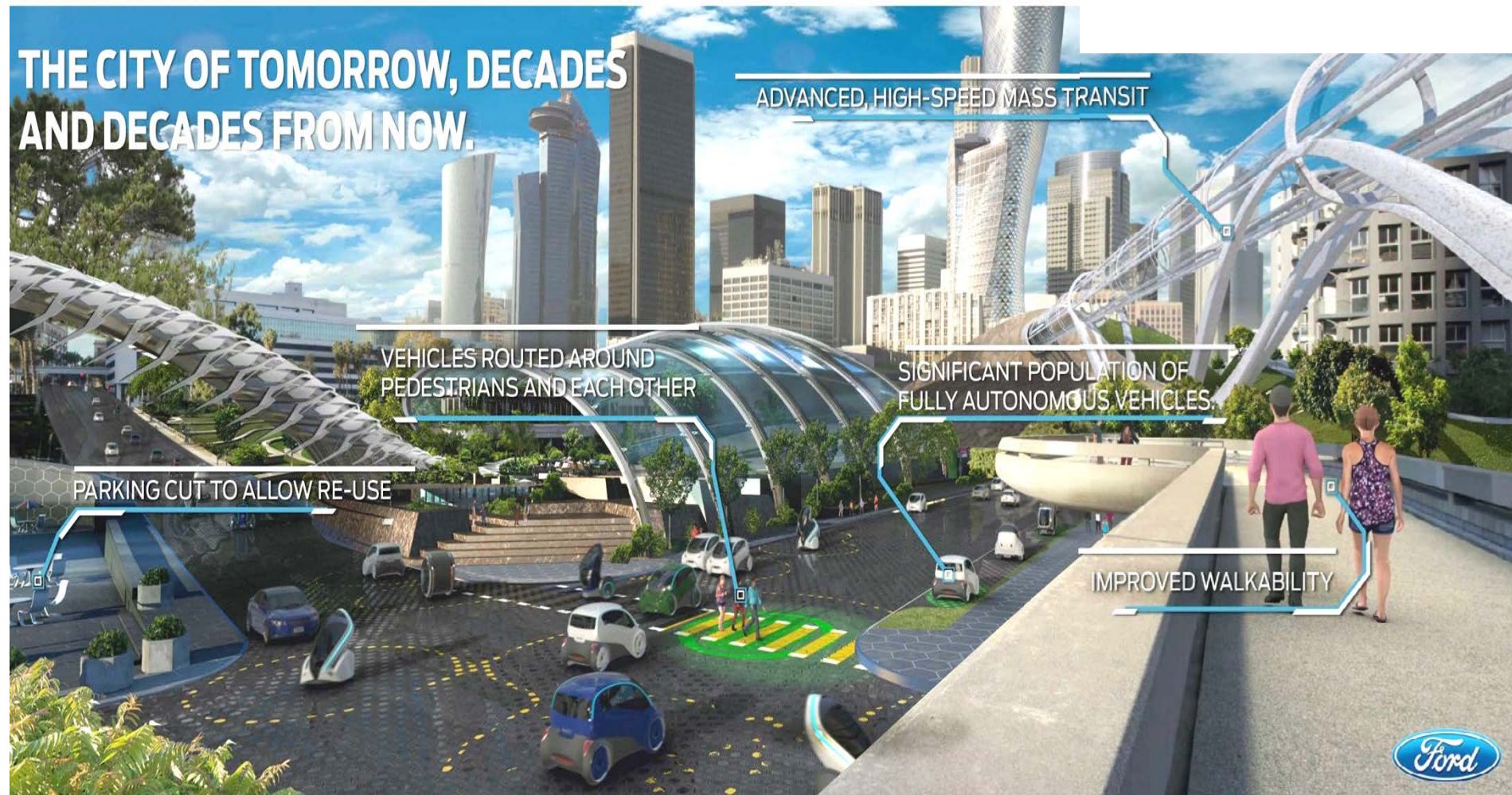
# The New Urban Agenda





# Automatic Cars

-will solve all the problems we ever had!!!



# Drones & Helicopters

--will solve the rest of the problems!!!



LeasePlan

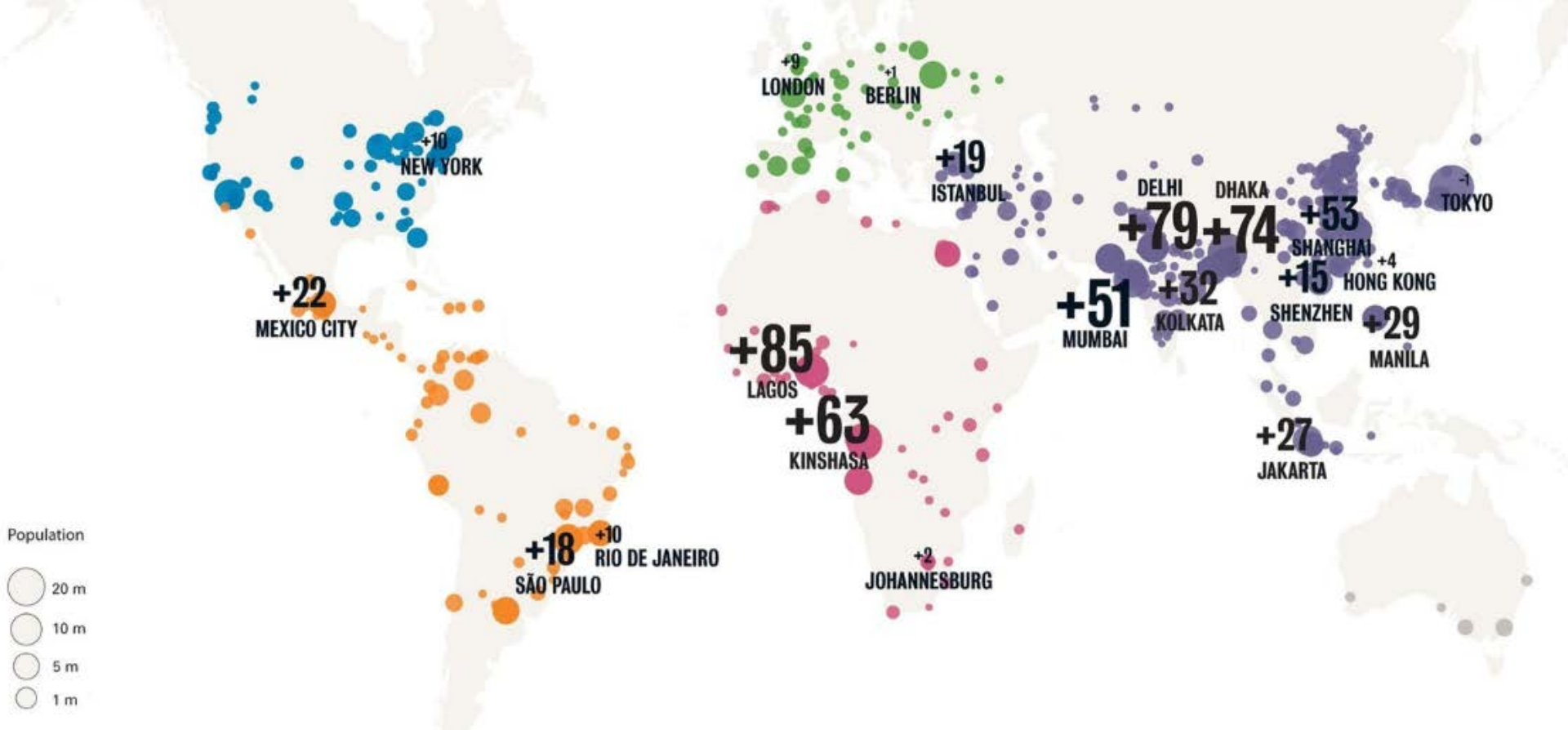
What's next?

# Smart City





## URBAN GROWTH PER HOUR







# Livable Cities for 21st Century



## ON THE IMPORTANCE OF PUTTING PEOPLE FIRST

JAN GEHL, PROFESSOR, DR. hc.

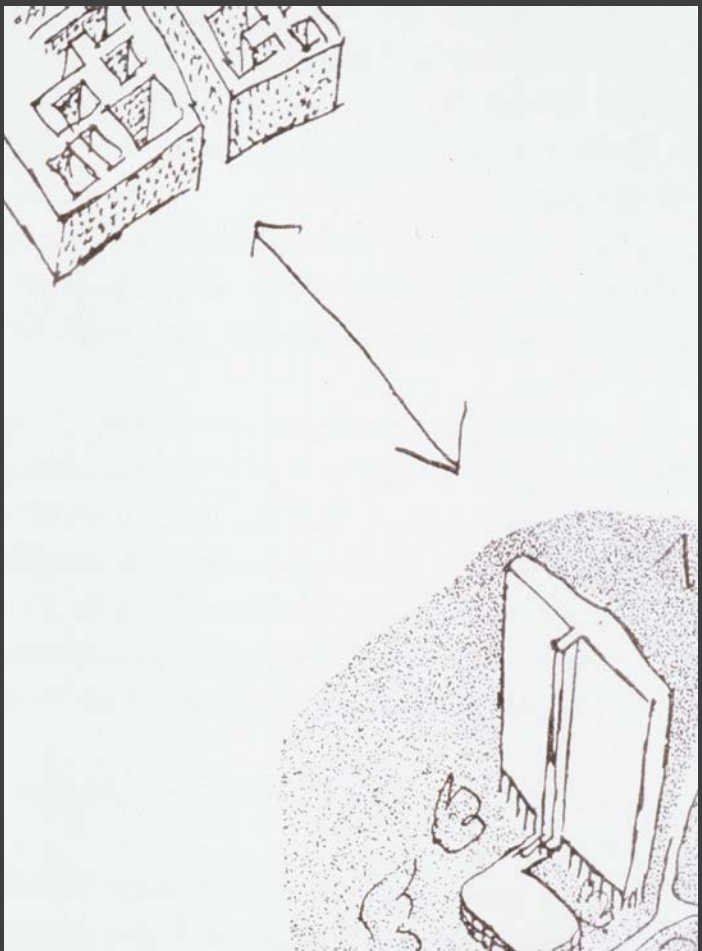
FOUNDING PARTNER: GEHL ARCHITECTS , URBAN QUALITY CONSULTANTS, COPENHAGEN

# 20th Century Problem

The two old Planning  
Paradigms

# 1960 - ..... “Modernism”

becomes dominating paradigm for Planning

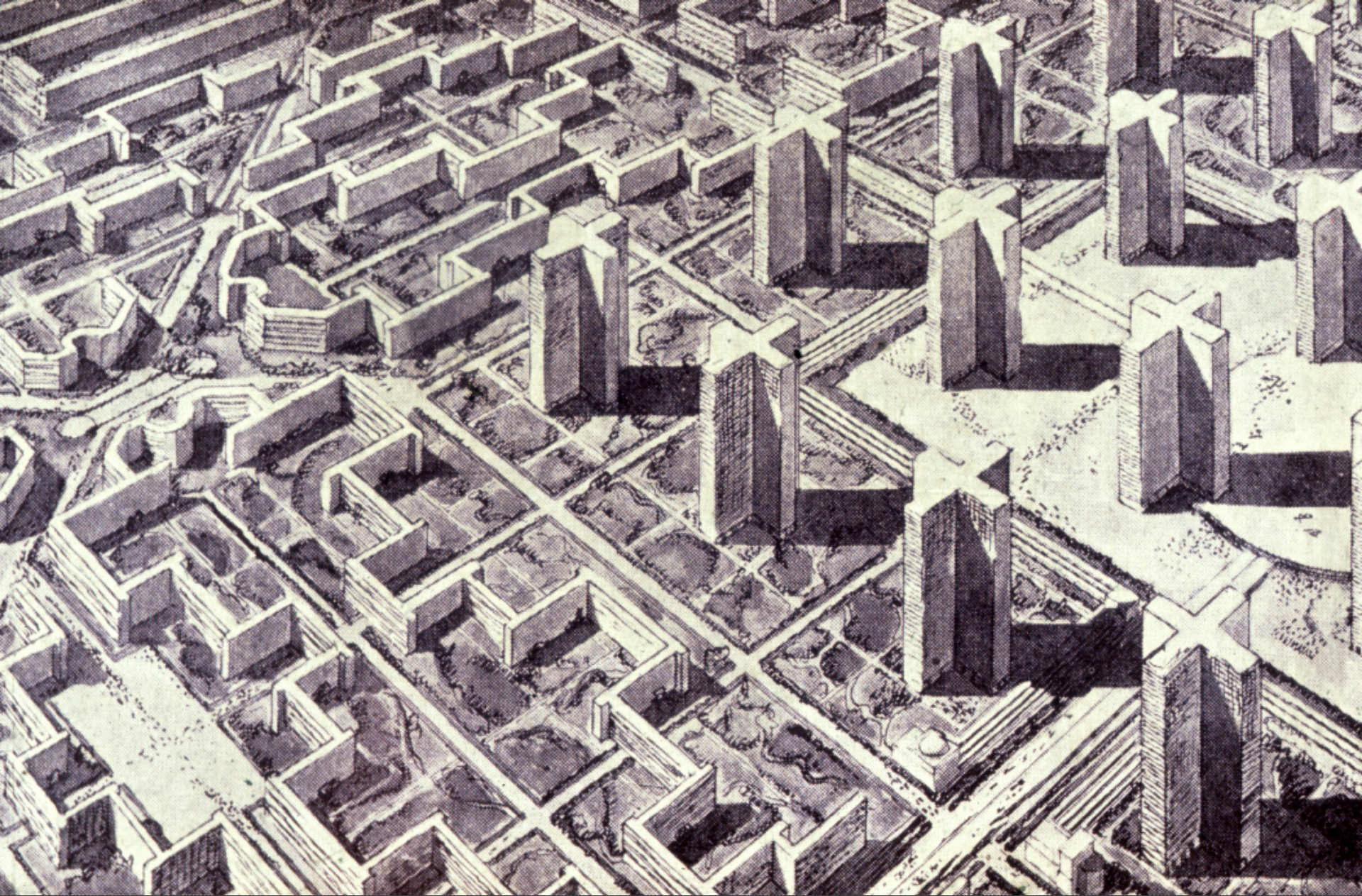




**From now on we have  
an entirely new  
species:  
MODERN MAN**



**Before: Focus on Spaces**



**Modernism: Focus on Objects**



**Form must follow Fashion**

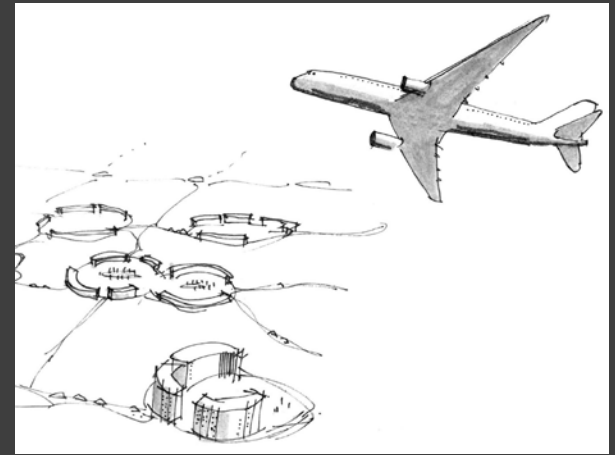


**After 1960**

**Rapid growth, Large units**

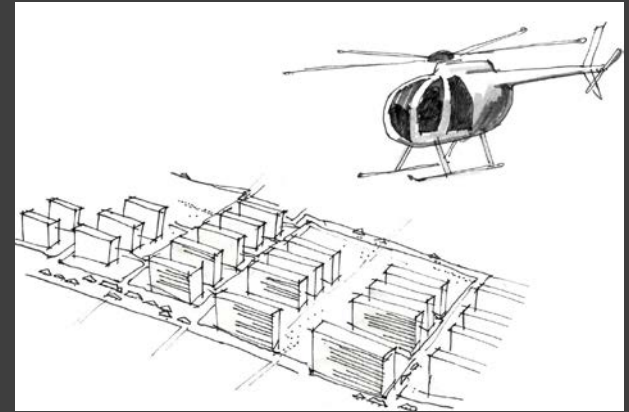
**City Plan Scale**

Birdseye view / Aircraftperspective



**Site Plan Scale**

Rooftop / Helicopterperspective



**People Scale**

Eyelevel / 5 km/h perspective





**Modernism:  
A Good bye to Concern for People**

1960- .....

# Carinvasion

becomes domminating paradigm for Planning



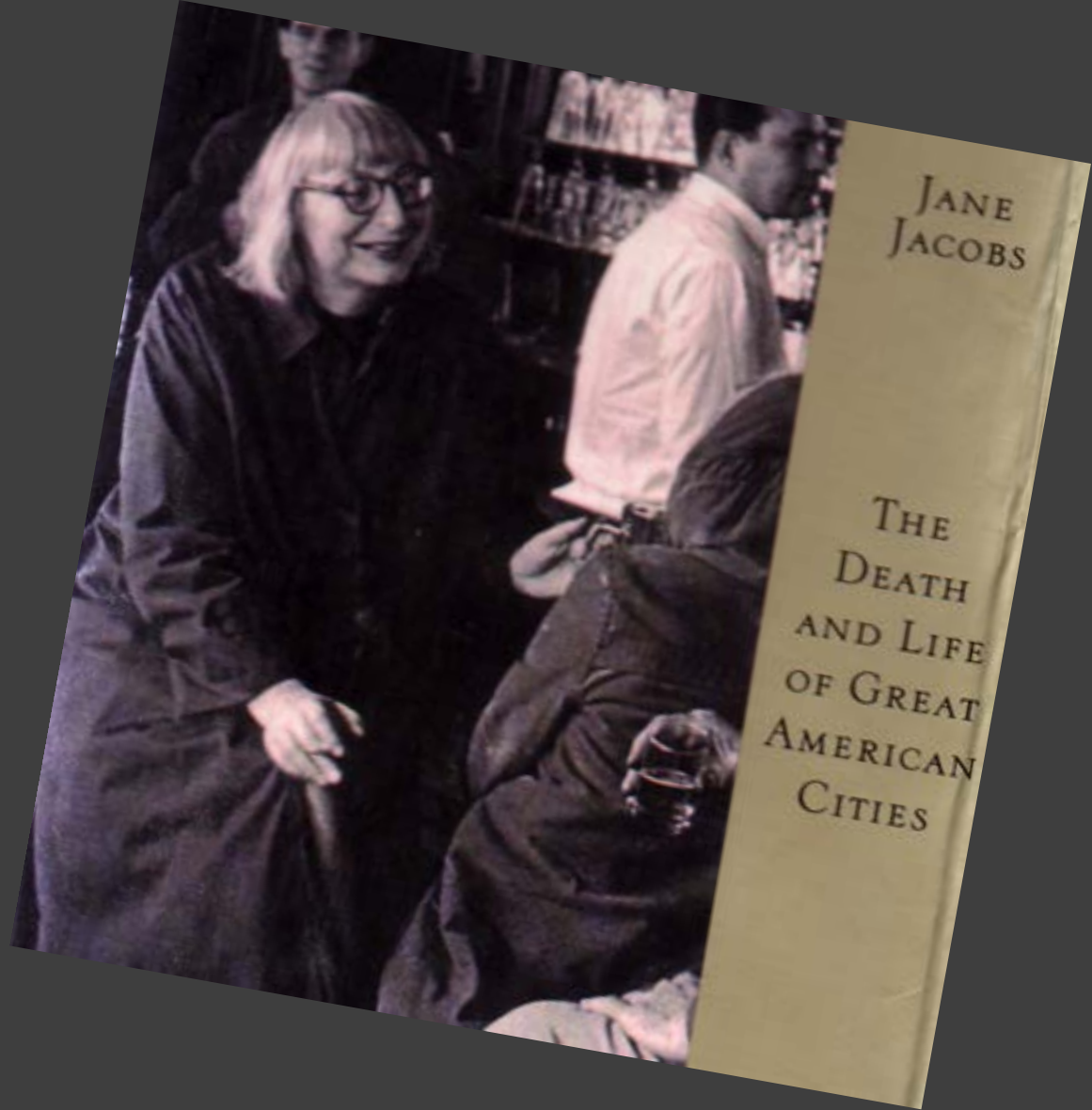


**Scene 3: The car is King**

**What was known  
about quality for  
people by 1960?**

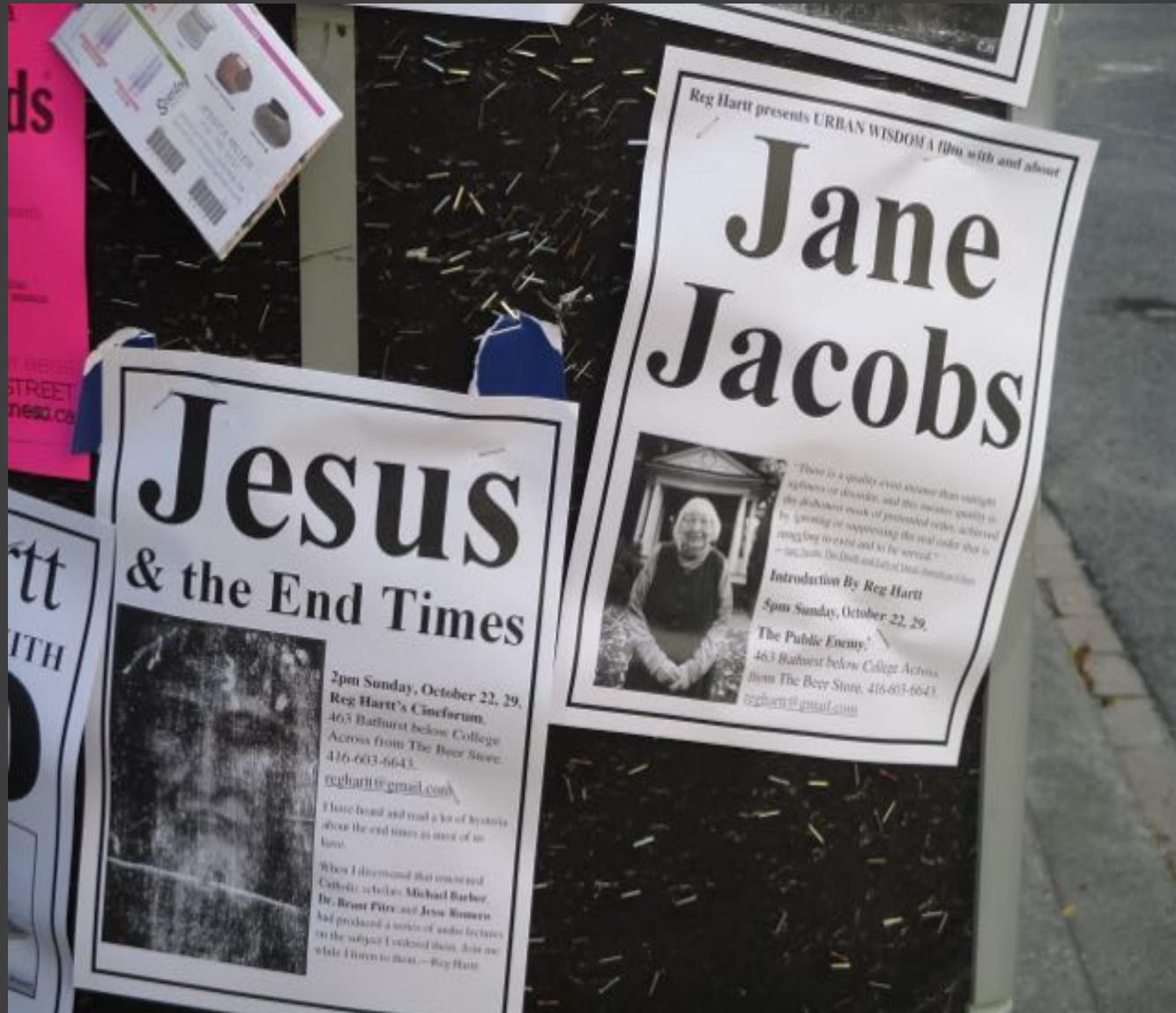
**Virtually nothing**

# Jane Jacobs 1961



**“The Death and Life of Great American Cities”**

Hardly anyone can get higher!



Street Posters in Toronto 2017

**Short story of my life**

**1960**

**Graduated as Architect**



**The all time low point of City planning**





# Making People visible



**Had to go back to Architecture School  
and study 40 more years**

# Sembra ma non è un «beatnik»

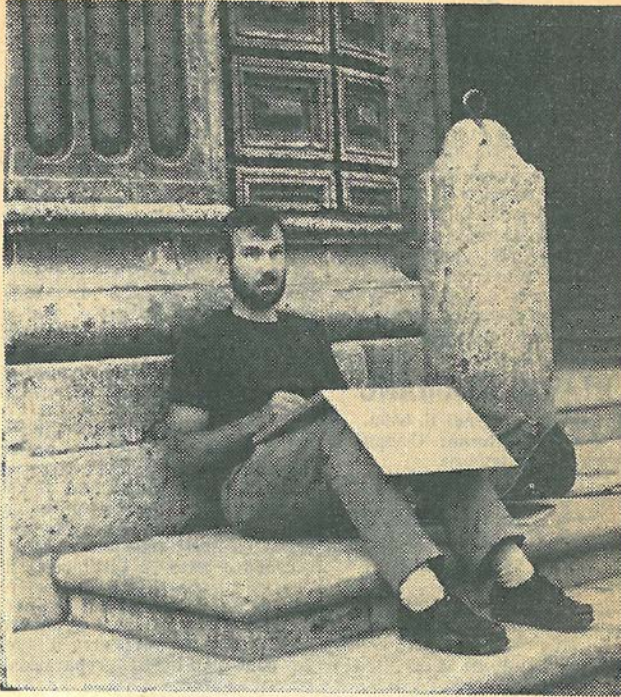
Da diversi giorni abbiamo notato un giovane straniero aggirarsi per la Piazza del Popolo. Abbiamo subito pensato: «I beatnik» in Ascoli?

Ma il suo fare aveva qualcosa di particolare. A parte le misurazioni ed i rilievi con strani apparecchi ottici, lo straniero prendeva in continuazione appunti su tutti i passanti. Insomma chi era?

Poche parole di presentazione e di saluto e subito si è scoperto l'arcano. Si tratta dell'architetto danese Jan Gehl, che avendo ricevuto una borsa di studio per studiare la forma e la vita delle piazze italiane da un punto di vista architettonico e sociologico, ha incluso la nostra Piazza del Popolo nei suoi itinerari.

Il giovane e simpaticissimo architetto, che si avvale della collaborazione della gentile consorte laureata in psicologia, si va chiedendo perché mai — nei centri storici italiani — con tanti viali e belle strade nuove, la popolazione insista a passeggiare sulle antiche piazze.

Saremmo interessati, ai termini delle sue indagini, di conoscere se ha svelato l'arcano del nostro inguaribile «passeggiar piazza». (Foto Riga)



Just sitting there watching —for 40 years !







**The “Edge Effect”**



Sweden



Aberdeen, Scotland



Denmark



Edinburgh, Scotland











# ”Cities for People” 2010

Available in all major languages



Serbia



Italy



Hungary



Austria



Albania



Bulgaria



Rumania



Macedonia





## Rethink density and proximity

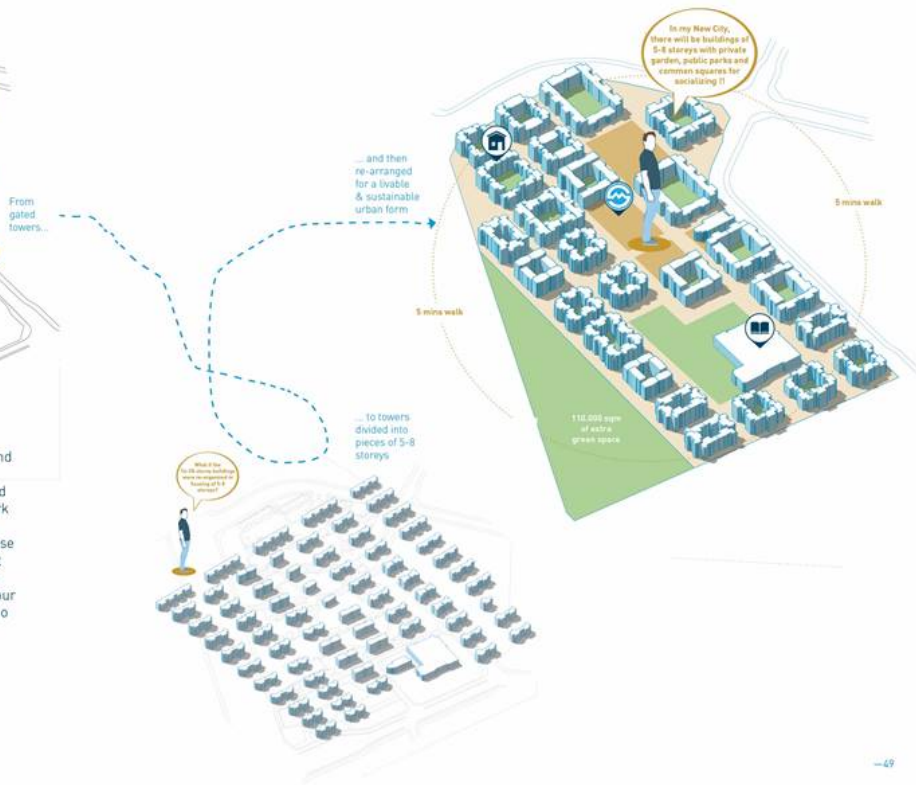
Typical gated communities are built on large plots, surrounded by a wall, which can only be passed through secured gates. The towers are usually more than 20 stories high, as density is associated with height. What if we re-think those gated communities and understand that the same density can be achieved with a different built form with so much more quality, diversity and multi functionality?

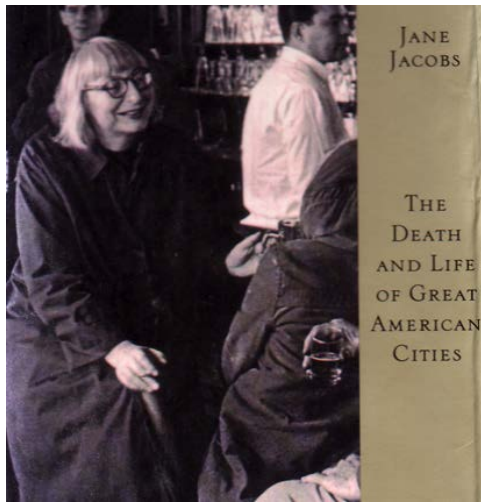


### Beijing Ring Road 4

In Beijing, we did some studies on a gated community development at Ring Road 4. A metro station is already in place and distances are generally walkable, but everything is built around the car. Mono-functional 14-27 story high residential towers are placed as silos on a large, vast green area. We tried to re-organize the development. We cut the towers up, so they consisted a maximum of 6 floors maximum, split them up and distributed them more closely

to one another around private – and semi private courtyards. We re-organized the gates and integrated the school, sport facilities and park in the whole development. These measures clearly showed that these small changes would make it a lot more interesting to live here - you can pass by school and drop off your kid and buy groceries on the way to the metro station.





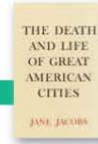
JANE JACOBS

THE DEATH AND LIFE OF GREAT AMERICAN CITIES

The first public life studies

Public life studies as a strategic tool

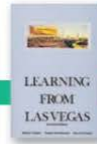
Public life studies become mainstream



Jane Jacobs  
Death and Life of Great American Cities (1961)



Aldo Rossi  
L'architettura della città (1966)



Robert Venturi, Steven Izenour and Denise Scott Brown  
Learning from Las Vegas (1972)



Rem Koolhaas and Bruce Mau  
S,M,L,XL (1995)



Richard Florida  
The Rise of the Creative Class (2002)



Ricky Burdett and Deyan Sudjic  
The Endless City (2008)



William H. Whyte  
The Exploding Metropolis (1958)



Kevin Lynch  
The Image of the City (1960)



Gordon Cullen  
The Concise Townscape (1961)



Edward T. Hall  
The Silent Language (1959)



Oscar Newman  
Defensible Space (1972)



red, Michael Sorkin  
Variations on a Theme Park (1992)



Barcelona Den generobrede by (exhibition 1999)



red, Goldsmith, Elizabeth and Goldbard  
What We See. Advancing the Observations of Jane Jacobs (2010)



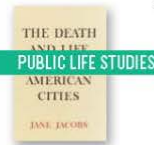
Erving Goffman  
Behavior in Public Places (1963)



Edward T. Hall  
The Hidden Dimension (1966)



Robert Sommer  
Personal Space (1969)



Jane Jacobs  
The Death and Life of Great American Cities (1961)



Jan Gehl  
Life between buildings (1971)



William H. Whyte  
The Social Life of Small Urban Spaces (1980)



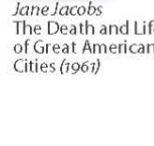
Clare C. Marcus and Carolyn Francis  
People Places (1990)



Peter Bosselmann  
Representation of Places (1998)



Urbanism on Track (2008)



Christopher Alexander, Sara Ishikawa and Murray Silverstein  
A Pattern Language (1977)



Donald Appleyard  
Livable Streets (1980)



Allan Jacobs  
Looking at Cities (1985)



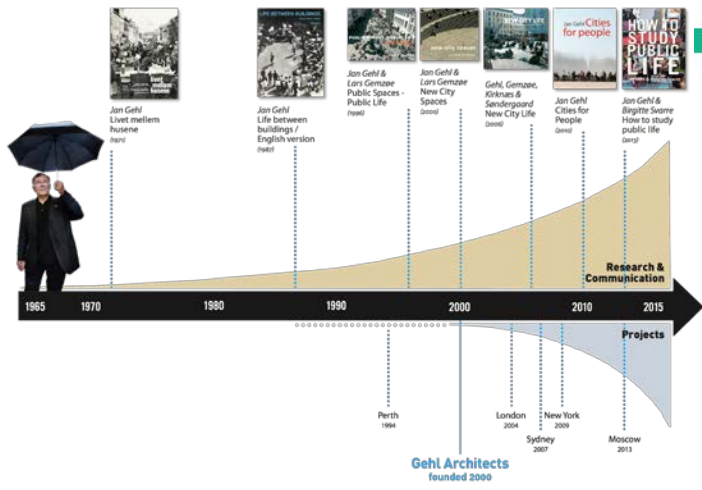
Allan Jacobs  
Great Streets (1995)



PPS  
How to Turn a Place Around (2000)



Jan Gehl  
Cities for People (2010)



PUBLIC LIFE STUDIES



Urbanism on Track (2008)





**There is much more to walking  
—than walking!**



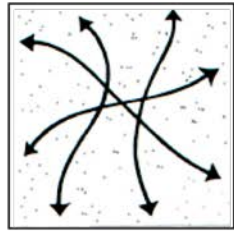
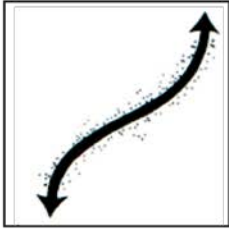
# City as a meeting place for people



RDS  
T  
URES

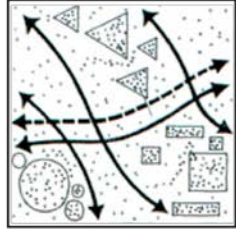


TO ASSEMBLE



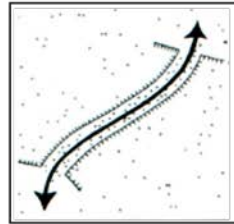
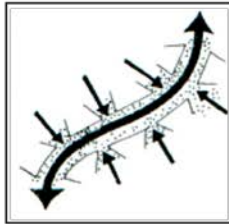
OR DISPERSE

TO INTEGRATE



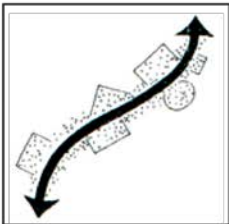
OR SEGREGATE

TO INVITE



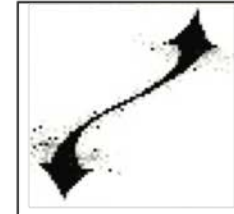
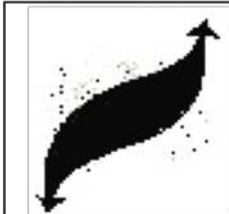
OR REPEL

TO OPEN UP



OR CLOSE IN

TO INCREASE



OR REDUCE



First we shape the cities  
-then they shape us

# Piazza Il Campo, Siena, Italy (14th century) The Finest Urban Space in the World



- a miracle or straightforward common sense?

# DESIGNING / DETAILING THE PUBLIC SPACES

## A KEY WORD LIST

### PROTECTION

#### 1. Protection against Traffic & Accidents

- traffic accidents
- fear of traffic
- other accidents

#### 2. Protection against crime & violence (feeling of safety)

- eyes / used
- street life
- streetwatchers
- overlapping functions - in space & time

#### 3. Protection against unpleasant sense experiences

- wind / draft
- rain / snow
- cold / heat
- pollution
- dust, glare, noise

## PROTECTION

### COMFORT

#### 4. Possibilities for WALKING

- room for walking
- untying layout of streets
- interesting facades
- no obstacles
- good surfaces

#### 5. Possibilities for STANDING / STAYING

- attractive edges
- »Edgeeffect«
- defined spots for staying
- supports for staying

#### 6. Possibilities for SITTING

- zones for sitting
- maximizing advantages primary and secondary sitting possibilities
- benches for resting

## COMFORT

#### 7. Possibilities to SEE

- seeing-distances
- unhindered views
- interesting views
- lighting (when dark)

#### 8. Possibilities for HEARING / TALKING

- low noise level
- bench arrangements
- »talkscapes«

#### 9. Possibilities for PLAY / UNFOLDING / ACTIVITIES

- invitation to physical activities, play, unfolding & entertainment - day & night and summer & winter

### ENJOYMENT

#### 10. Scale

- dimensioning of buildings & spaces in observance of the important human dimensions related to senses, movements, size & behaviour

#### 11. Possibilities for enjoying positive aspects of climate

- sun / shade
- wind / protection
- breeze / ventilation

#### 12. Aesthetic quality / positive sense-experiences

- good design & good detailing
- view / vistas
- trees, plants, water

## ENJOYMENT

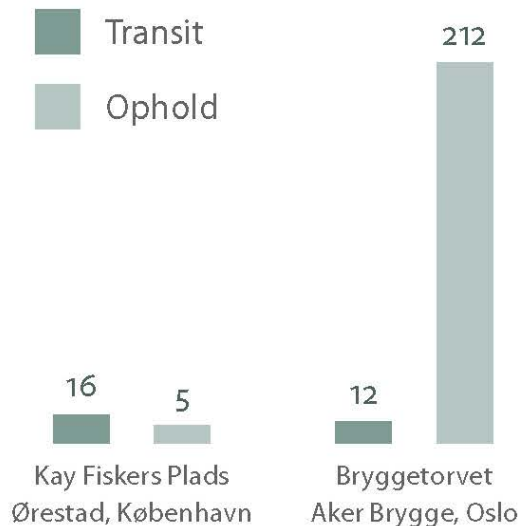
# Overview of Quality criterias

## -The Pedestrian landscape

### Campo in Siena



P R O T E C T I O N	<b>1. Protection against Traffic &amp; Accidents</b> <ul style="list-style-type: none"> <li>- traffic accidents</li> <li>- fear of traffic</li> <li>- other accidents</li> </ul>	<b>2. Protection against crime &amp; violence (feeling of safety)</b> <ul style="list-style-type: none"> <li>- lived in / used</li> <li>- streetlife</li> <li>- streetwatchers</li> <li>- overlapping functions - in space &amp; time</li> </ul>	<b>3. Protection against unpleasant sense experiences</b> <ul style="list-style-type: none"> <li>- wind / draft</li> <li>- rain / snow</li> <li>- cold / heat</li> <li>- pollution</li> <li>- dust, glare, noise</li> </ul>
	<b>4. Possibilities for WALKING</b> <ul style="list-style-type: none"> <li>- room for walking</li> <li>- uninteresting layout of streets</li> <li>- interesting facades</li> <li>- no obstacles</li> <li>- good spaces</li> </ul>	<b>5. Possibilities for STANDING / STAYING</b> <ul style="list-style-type: none"> <li>- attractive edges</li> <li>»Edgeeffekte«</li> <li>- defined spots for staying</li> <li>- supports for staying</li> </ul>	<b>6. Possibilities for SITTING</b> <ul style="list-style-type: none"> <li>- zones for sitting</li> <li>- maximizing advantages primary and secondary sitting possibilities</li> <li>- benches for resting</li> </ul>
	<b>7. Possibilities to SEE</b> <ul style="list-style-type: none"> <li>- seeing-distances</li> <li>- unhindered views</li> <li>- interesting views</li> <li>- lighting (when dark)</li> </ul>	<b>8. Possibilities for HEARING / TALKING</b> <ul style="list-style-type: none"> <li>- low noise level</li> <li>- bench arrangements</li> <li>»talkscape«</li> </ul>	<b>9. Possibilities for PLAY / UNFOLDING / ACTIVITIES</b> <ul style="list-style-type: none"> <li>- invitation for physical activities, play, unfolding &amp; entertainment - day &amp; night and summer &amp; winter</li> </ul>
E N J O Y M E N T	<b>10. Scale</b> <ul style="list-style-type: none"> <li>- dimensioning buildings &amp; spaces in observance of the important human dimensions related to senses, movements, size &amp; behaviour</li> </ul>	<b>11. Possibilities for enjoying positive aspects of climate</b> <ul style="list-style-type: none"> <li>- sun / shade</li> <li>- warmth / coolness</li> <li>- breeze / ventilation</li> </ul>	<b>12. Aesthetic quality / positive sense-experiences</b> <ul style="list-style-type: none"> <li>- good design &amp; good detailing</li> <li>- views, vistas</li> <li>- trees, plants, water</li> </ul>



Søjlediagrammet viser det gennemsnitlige antal personer, der på sommerdage mellem kl. 12 og 16 går og opholder sig på to nybyggede torve i henholdsvis København (Kay Fiskers Plads, Ørestad) og Oslo (Bryggetorget, Aker Brygge).

Der er flest gående i København, men et meget højere aktivitetsniveau i Oslo. I København er der stort set kun mulighed for at gå. Alle besøg klares på mindre end et minut. I Oslo er aktivitetsniveauet på typiske sommerdage 10 gange højere, da der foruden gåtrafik inviteres til ophold på torvet.<sup>7</sup>







# After 50 years: A distinct change of Paradigm

## WANTED:

- Lively, Liveable City
- Sustainable City
- Healthy City

# Lively, Liveable City





# Sustainable City



**A good Public Realm is a crucial factor for good Public Transportation**

# Healthy City



**New Problem: “The sitting Syndrome”**

# **WHO**

## **(World Health Organization)**

### **Global Action Plan**

#### **2008**

**” – introduce transport policies that promote active and safe methods of travelling to and from schools and workplaces. Such as walking or cykling- ”**

# Increasing number of elderly people



\*It's not just hype.  
New science  
could lead to  
very long lives.

Refuge on Wrangel Island	50
Courage in Zimbabwe	72
Fertilize the World	94
Hunting for New Elements	112
China's Grand Canal	126

Already 20-25% elderly people in our cities



# WANTED:

- Lively, Liveable City
- Sustainable City
- Healthy City

Looking carefully  
after people in  
city planning will  
efficiently address  
all 3 issues





In this City everything will be done to invite people to **walk** and **bicycle** as much as possible in the course of their daily day doings”

**CITIES ALL OVER IS DOING THIS NOW**

**Melbourne, - 3 mio. Inh.**

**MELBOURNE 1985 ....**





**When it comes to street life and ambience  
Melbourne has by now a distinct touch of – say –  
PARIS!**



# Move to Melbourne.

Moreland via City

NO COINS IS NO EXCUSE

Call 13 22 66 or visit [bankofmelbourne.com.au](http://bankofmelbourne.com.au)

Bank of Melbourne

3534

Bank of Melbourne - A Division of Westpac Banking Corporation  
ABN 33 007 457 141 Australian financial services licence 233714 Australian credit licence 233714



**SYDNEY, 2006.....**  
(Gehl Architects)







**NEW YORK, 2007.....**

Phot:DOT/NYC

# VILNIUS... a good start.



Mayor in Vilnius, Lithuania: “Do not park in my bike lanes”



Jan Gehl **Orașe**  
pentru oameni

**BUCHAREST.....SOON?**

Moscow 2012

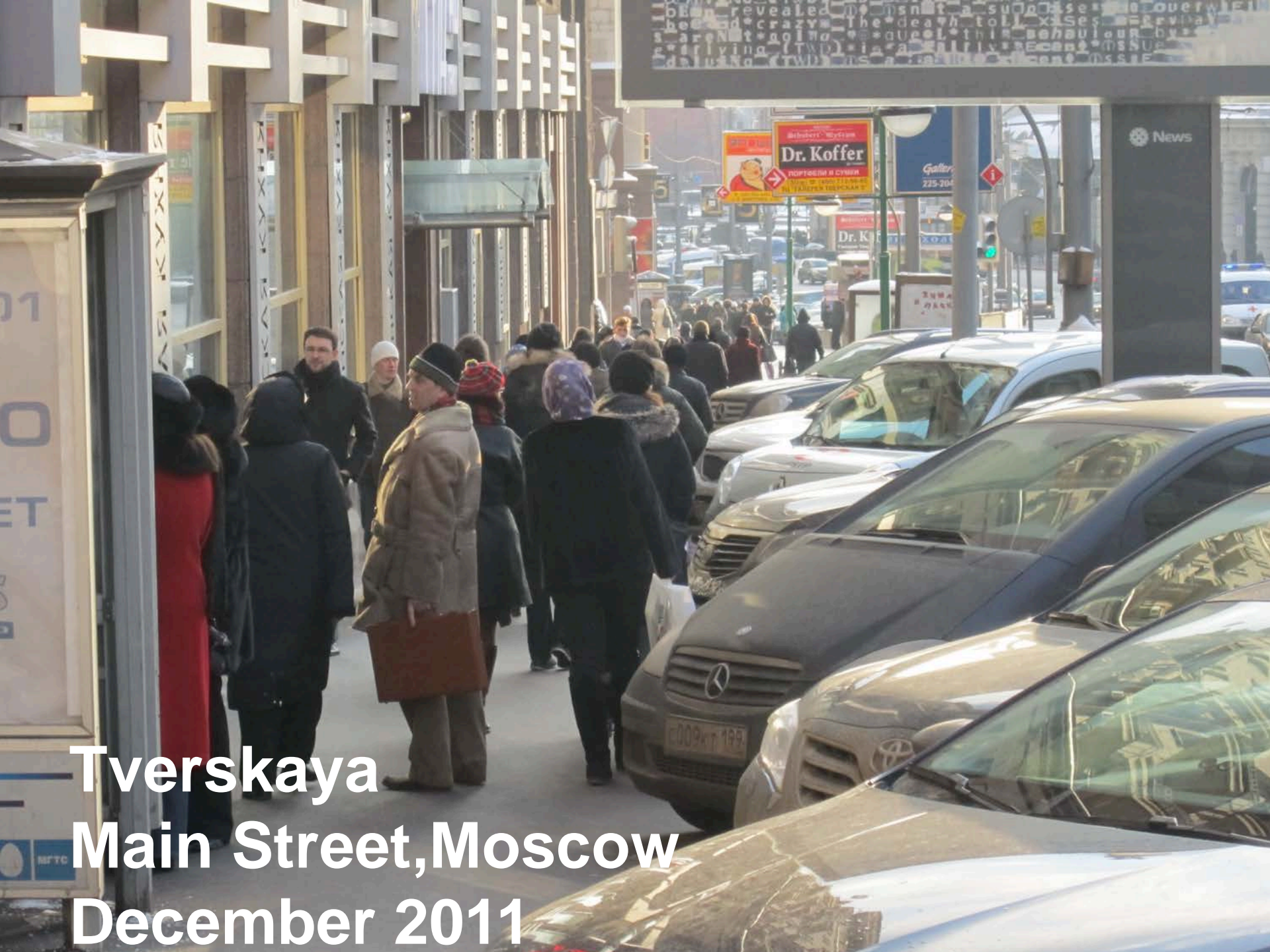
Where car is King

**MOSCOW 2012.....**

**(Gehl Architects)**





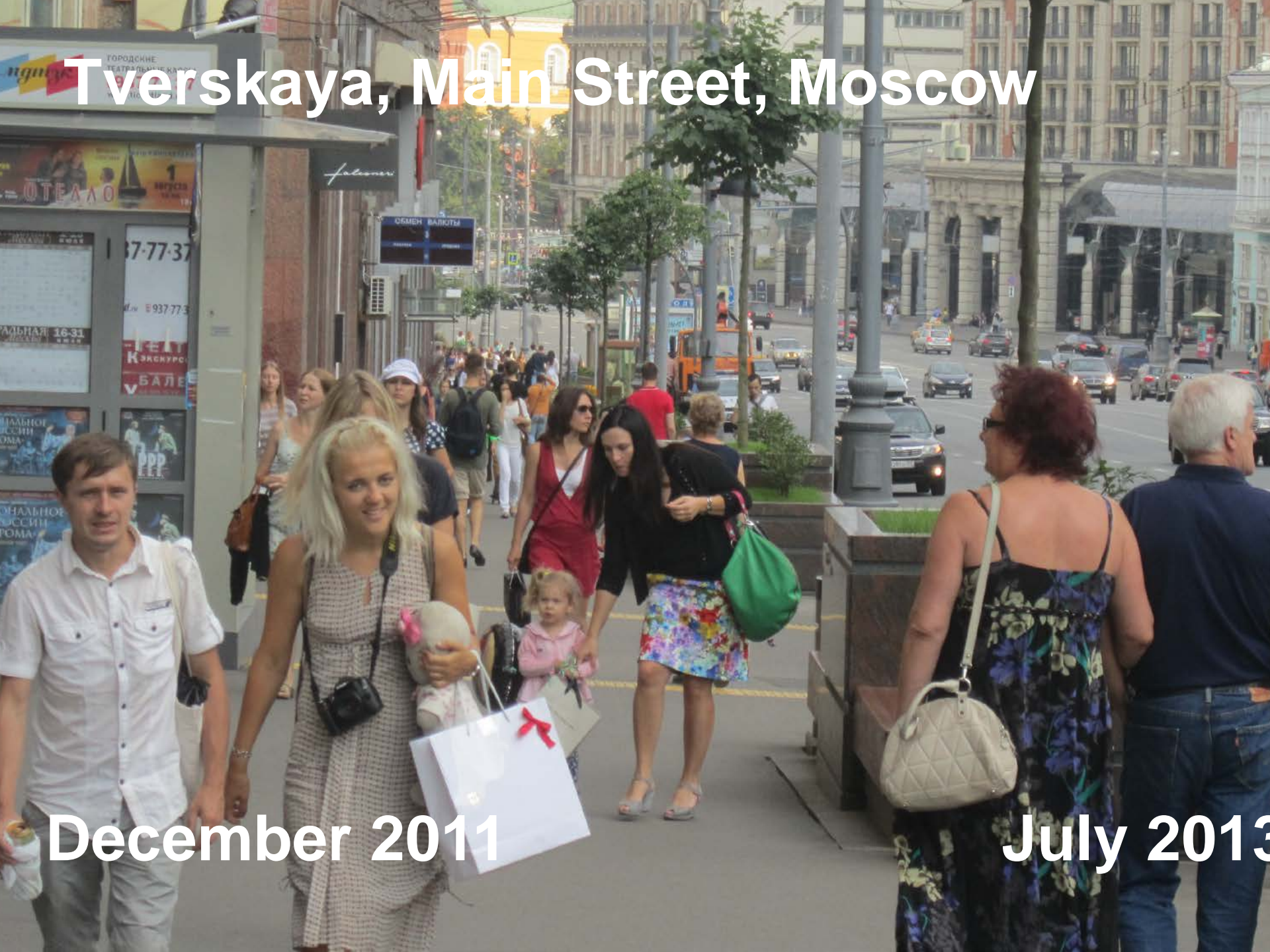


**Tverskaya  
Main Street, Moscow  
December 2011**



**“Towards a great city for people”  
Gehl Architects, July 2013**

# Tverskaya, Main Street, Moscow



December 2011

July 2013





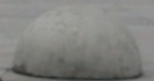


Информационный киоск с картой метро и рекламой.

Детальная карта метрополитена.



АКЦИЯ В НАСЫЩЕНИИ









11 сентября 2 октября  
БОЛЬШОЙ ФЕСТИВАЛЬ РНО  
ЛЮБА ДЕБАРГ  
ВЛАДИСЛАВ РАДИН  
ОЛЬГА ПЕРЕТЯКИНО  
КИРИЛЛ КАРАБИЦ  
ЭДУАРД РАДЗИНСКИЙ  
ВЛАДИСЛАВ ПЛАВРИК  
РОССИЙСКИЙ НАЦИОНАЛЬНЫЙ ОРКЕСТР  
МИХАИЛ ПЛЕТИНОВ

# Newest problem: The Moscow Babyboom



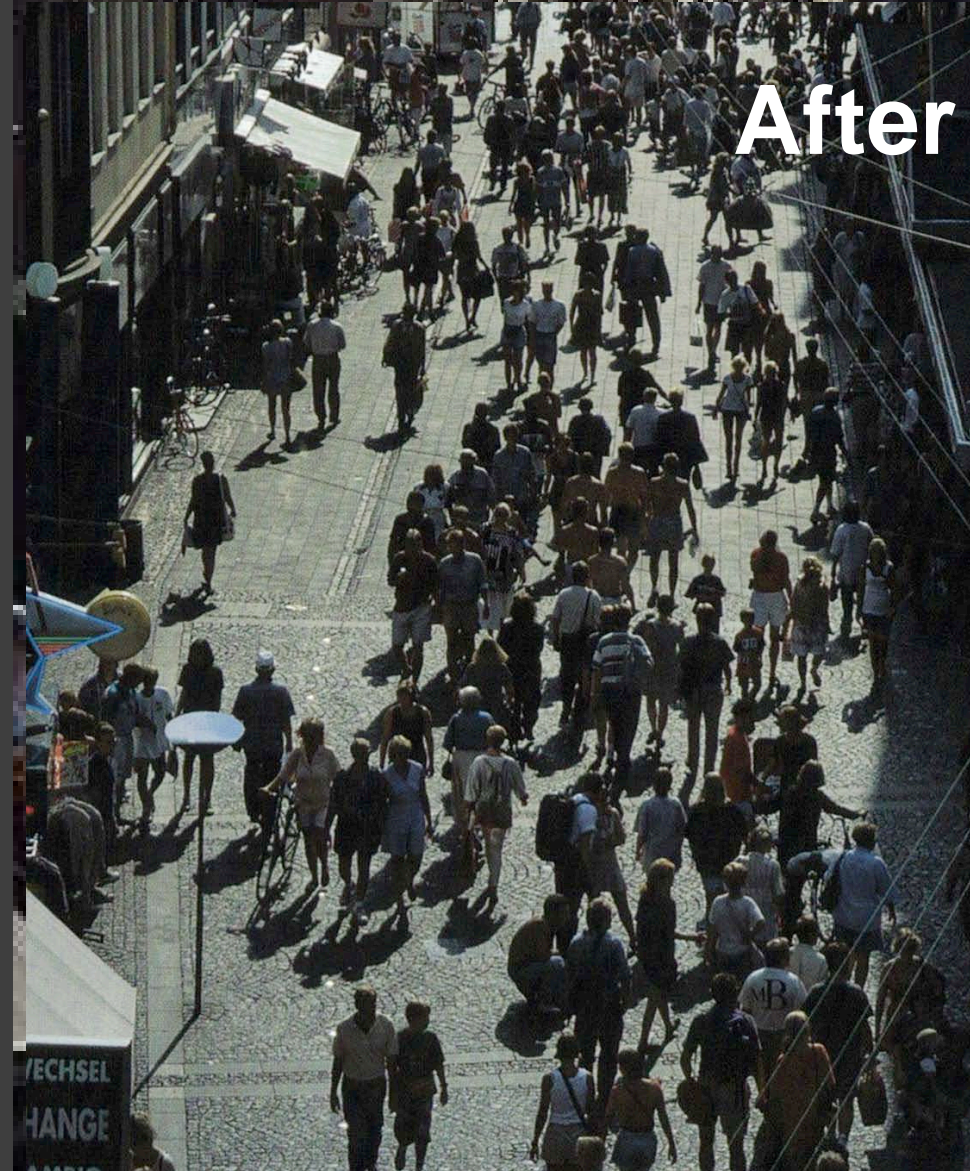
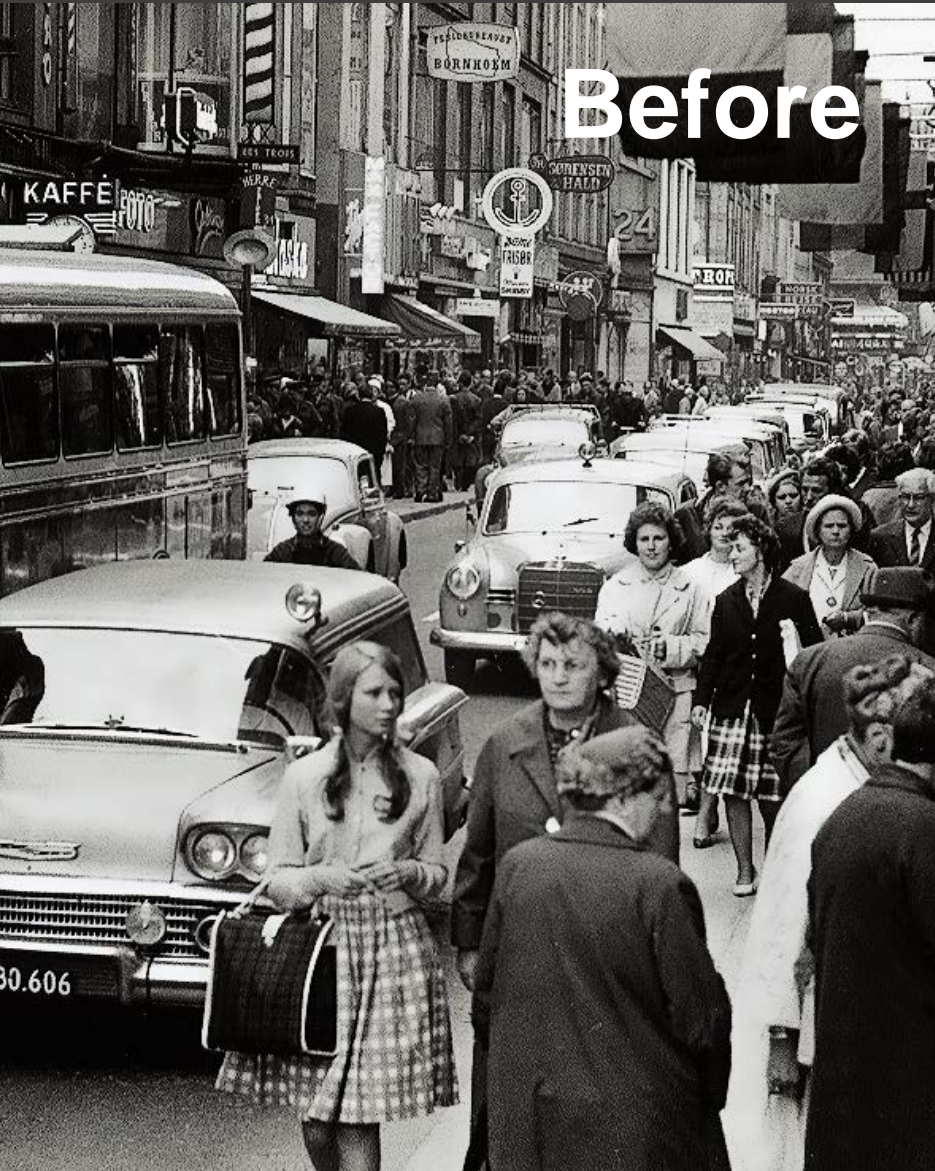
**Blame it on Humanistic City Planning**

**Copenhagen, Denmark (1,5 Mio) 1962 – 2018:  
From traffic place to People Place  
- 56 years of people first policies!**



**COPENHAGEN 1962.....**

# Strøget (main street) pedestrianized 1962





**Copenhagen**  
**- The City to the waterfront**

**1962**

First steps

- Pedestrianising Strøget, 1962



## Copenhagen - The City to the waterfront

# 2014

Connecting with the waterfront city

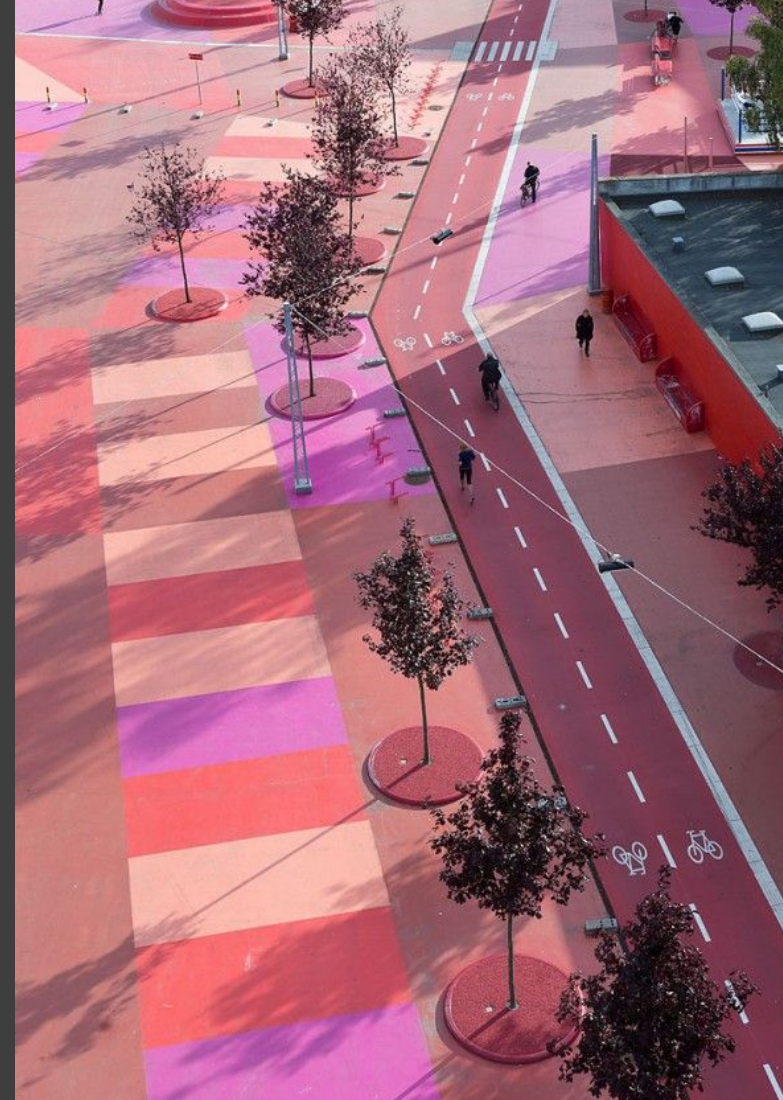
- Kalvebod bølge 2012
- Inderhavnsbroen 2014
- Vester Voldgade 2012
- Cirkelbroen 2014
- Bryghusproject 2015
- Kvæsthusprojektet 2015





# Nyhavn - before...and after 1980





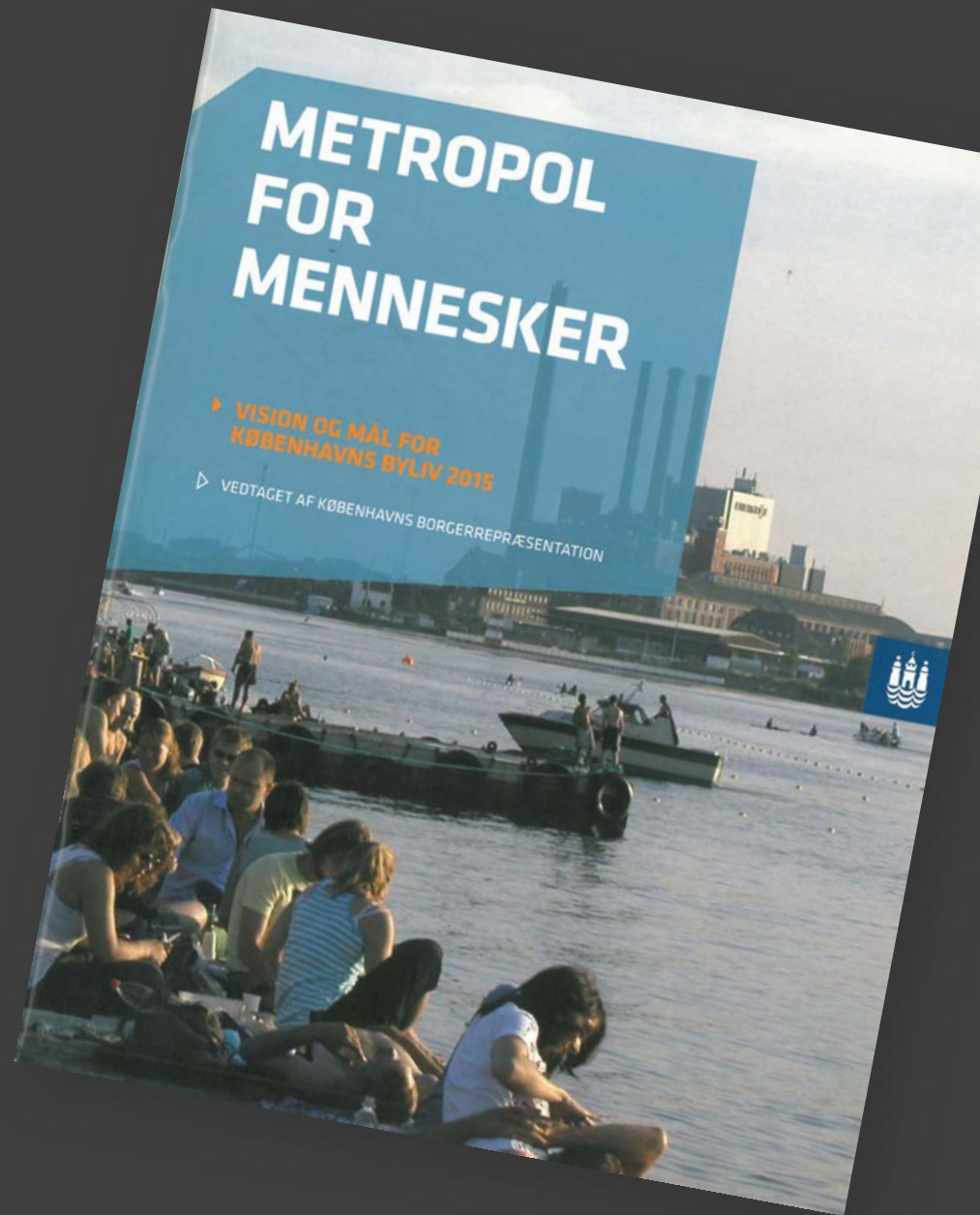
**Phase 3:**  
**2000 - : Activity Parks / “Playgrounds”**  
**(Playing / Sports / Activities)**

# City of Copenhagen

- **Livability**
- **Sustainability**
- **Health**
- **Social Inclusion**
- **Democracy**

New Strategy **2009**

“Best City in the World for People”



**"Old" Copenhagen Street:  
4-5 car lanes**



**New Copenhagen Street:  
2 car lanes  
Street trees  
2 bikelanes  
2 sidewalks  
-and a good median for  
safe streetcrossings**



**General improvements  
for pedestrians and  
public life throughout  
the city.**

**Walk, be safe, enjoy**

# Priority for pedestrians and bicyclists: Sidewalks and bicycle tracks are taken across all the smaller side streets



**Walk, be safe, enjoy**



# Bicycling in Copenhagen

## -on a citywide network of bicycle lanes



-an efficient, citywide transportation system





# A bicycle culture have step by step been developed Everybody bikes



# The Danish Crown Princess is doing it too





**“Bicycling without age”**  
(Wind in your hair is a human right)

# Cykelproblemerne vokser i København

Storbyboerne er trætte af trængslen på cykelstien og af cyklisternes frækhed, viser en meningsmåling.

Af Flemming Christiansen

Cyklisterne på en københavnsk cykelsti kan minde om en flok tørstige gnuer, der bisser hen over savannen: Der er mange af dem, virkelig mange, alle har et horn i siden på alle – og det

havn er trængslen på cykelstierne havnet på en fjerdeplads – efter tre gamle kendte: forurening fra lastbiler og personbiler og parkeringsproblemerne.

Det viser en undersøgelse foretaget af Institut for junktur-Analyse blandt et repræsentativt udsnit på af storbyens beboere.

Borgerne er blevet spurgte om en række problemer, som rører dem personligt. Hver tredje angiver, at cykeltrafikken er »et stort problem«.

Af en serie interview med enkeltborgere i samme

Desuden viser det kommunale cykelregnskab, at hver femte københavner finder cyklerne voldsomt generende

ikke kun er bilisterne, der er sure på cyklisterne. Cyklisterne er også ved at være



Major complaint :  
Serious congestions -on the bicycle lanes







**Many new bridges -**



**-provide short cuts for cyclists**

# An impressive culture of using bicycles has gradually evolved



**2017: 41% use bicycle**

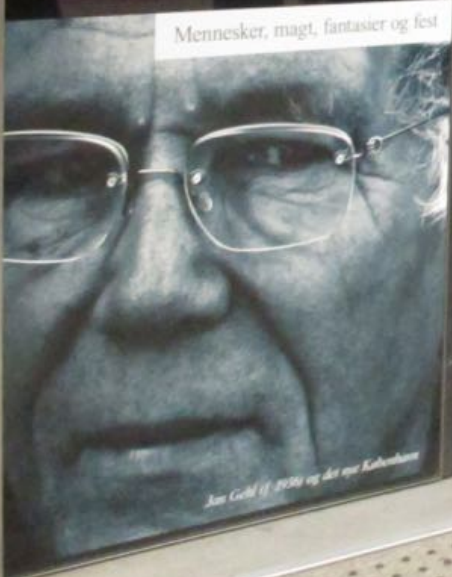
# Lesson from Copenhagen:



Given good invitations you will have  
much more walking, public life and bicycling  
**WELCOME TO THE 21st CENTURY**

# WORLD'S MOST LIVEABLE CITIES, *MONOCLE* 2013

1. Copenhagen
2. Melbourne
3. Helsinki
4. Tokyo
5. Vienna
6. Zürich
7. Stockholm
8. Munich
9. Sydney
10. Auckland



Mennesker, magt, fantasier og fest

København

Golden Days 850

2.-17. sep

Jan Gøddik 1926 og det nye København

→ Pick up The Guide to Copenhagen Museums and Attractions ← at this station

EN MUSEUMS  
ONS

# New City Architect in Copenh. 1 Febr 2019



Camilla van Deurs  
Architect, P.hD

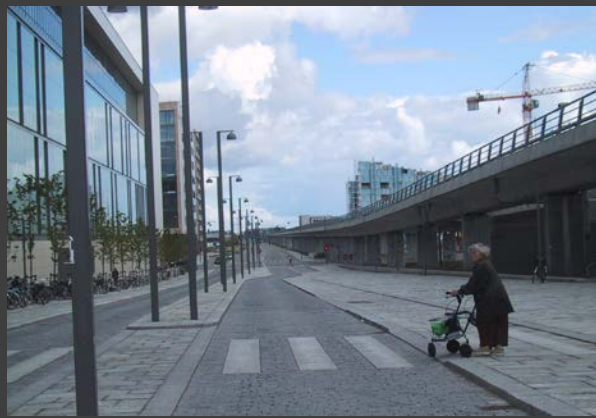
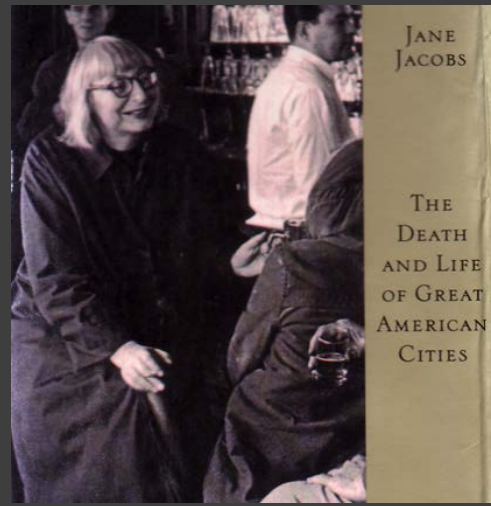
Expert in Cities for People.....





**What we can not do?**

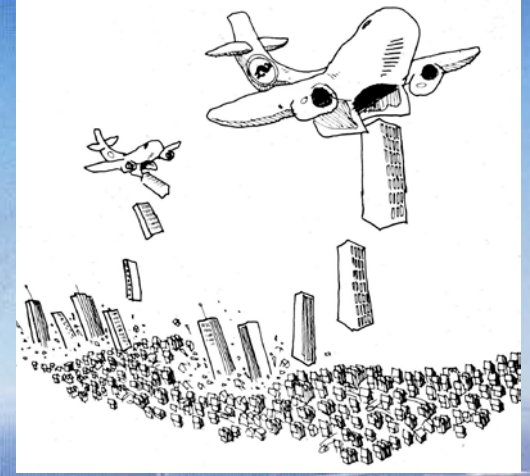
**Make wonderful,  
people friendly new  
towns**





Dubai  
to bang

# Downtown, Dubai



**Cities of the Future!**  
**Dreams and worries!!**

**What not to do:**

**DUBAI**



**Dubai:**

**Modernism + Motorism**



**What to do?**

**“VENICE”**

**Great Neighborhoods for all generations**

# What to do? Why not try the Copenhagen Model

Humanistic City Planning  
(Putting People First)





# Putting people first in city planning

- \*Is the simplest and cheapest you can do
- \*It creates better cities for everyone
- \*It is for cities in ALL PARTS of the World
- \*-And you can start tomorrow



RDS  
T  
URS

or you can engage in some discreet networking!







# City as a meeting place for people



Always a two-way contact:  
To watch and be watched



There is much more to walking –than walking!



Some 10 reasons why a pedestrian & public life policy is needed in the 21 century







**Welcome to the Riverside and Please enjoy!!!**



**”People - washing”**





# THE LIVABILITY TEST!

Mrs. Lan,  
Danish Embassy in Hanoi



# Do you have a Baby Boom in Copenhagen?





**Just another promenade in the city!**

30 % of all families w/ children have Cargobikes





27. JAN 10

16:51

Du er cyklist nummer

2929

i dag

af sammenlagt

220970

cyklister i år på  
denne strækning

I  GPH



# Every bike can take one, two, (three) kids -and they do



# Bicycle training in kindergarten



# Biking to school and biking in all directions from age 4 ( good bicyclelanes a precondition)





**Copenhagen Lulaby!**

# REFLECTION:

A young girl with blonde hair, wearing a black jacket and brown pants, is walking towards the camera on a cobblestone sidewalk. The sidewalk is made of dark, irregular stones. To the right of the sidewalk is a paved road with a white bicycle symbol painted on it. In the background, there are cars, a motorcycle, and buildings. The scene is set in an urban environment during the day.

**Many children (and elderly people) present in a city is a sure sign of quality and livability**







# WE FIXED OUR SALADS

NEXT UP:

## DOCKLANDS

WE'VE UPGRADED OUR SALADS WITH INGREDIENTS LIKE POMEGRANATE, QUINOA, DUKKAH AND MEREDITH DAIRY GOATS CHEESE. THERE'S NO TELLING WHAT WE'LL PUT OUR MINDS TO NEXT.

MIXED  
VEGETABLES  
& DUKKAH



CHICKEN,  
POMEGRANATE &  
GOATS CHEESE

GRILLD.COM.AU | FACEBOOK.COM/GRILLDBURGERS

Sign in front of Saladbar, Melbourne 2013  
(Could as well have been found in London)

**Prof. Peter Newman**  
**Curtin University**  
**Perth, Australia**



**TED-Talk**  
**“Are we winning?”**



**BER2014**

**PERTHAUSTRALIA**











1971



DANMARK

1978



HOLLAND

1980



NORGE

1987



USA

1990



JAPAN



ITALIEN



KINA

1991

1992

1996



SPANIEN



VIETNAM

1997

# Before 2000

2000



TJEKKIET



KINA



KOREA

2002

2003

2006



SPANIEN



BANGLADESH



VIETNAM

2008

2011



POLEN



SERBIEN



RUMÆNIEN

2012

2013

2014



IRAN



RUSLAND



TYSKLAND



JAPAN 2



ITALIEN 2



USA 7



THAILAND



GRÆKENLAND

# After 2000

Latest:  
Iceland  
Nov 2018



Jan Gehl

# BRASILIA SYNDROME (1955.....)





# BRASILIA SYNDROME (1955.....)





**People scale completely neglected**



**VORES FORNEMSTE  
OPGAVE ER  
AT SKABE  
DET PERFEKTE  
STED TIL AT  
HOPPE I SENGEN.**

BYGGET TIL MENNESKER.  
SKABT MED OMTANKE.

[www.arkitektgruppen.dk](http://www.arkitektgruppen.dk)



**Poster in "Ørestaden" New Town  
Copenhagen 2018**