

# The Future of Cities



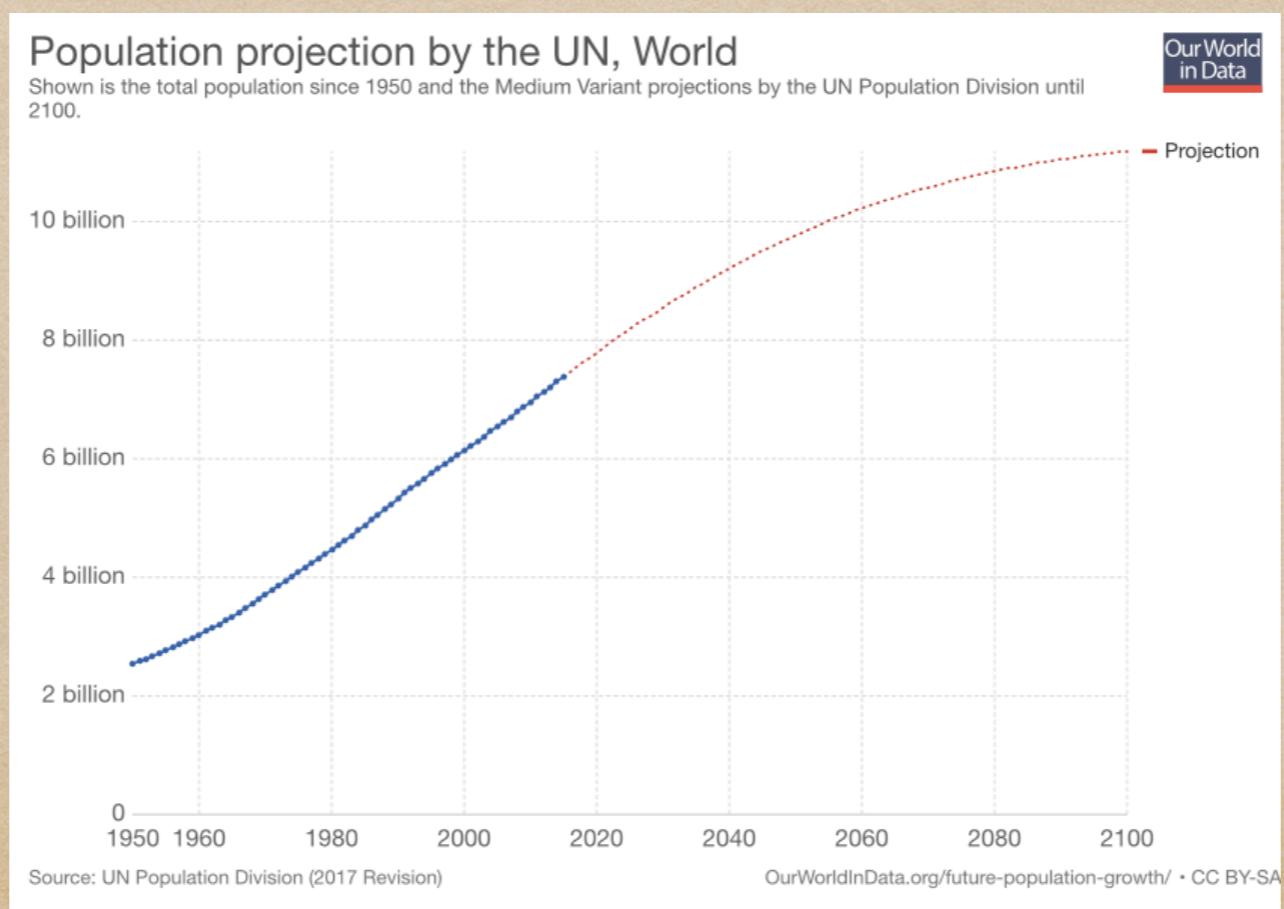
# A Different World Map



# An overcrowded world

THE WORLD  
3 million people  
move to cities  
- per week!

They cover 3% of the world's surface are  
but consume 70% of the worlds energy  
and produce 80% of the world's  
greenhouse gasses



# An overcrowded world

## THE WORLD

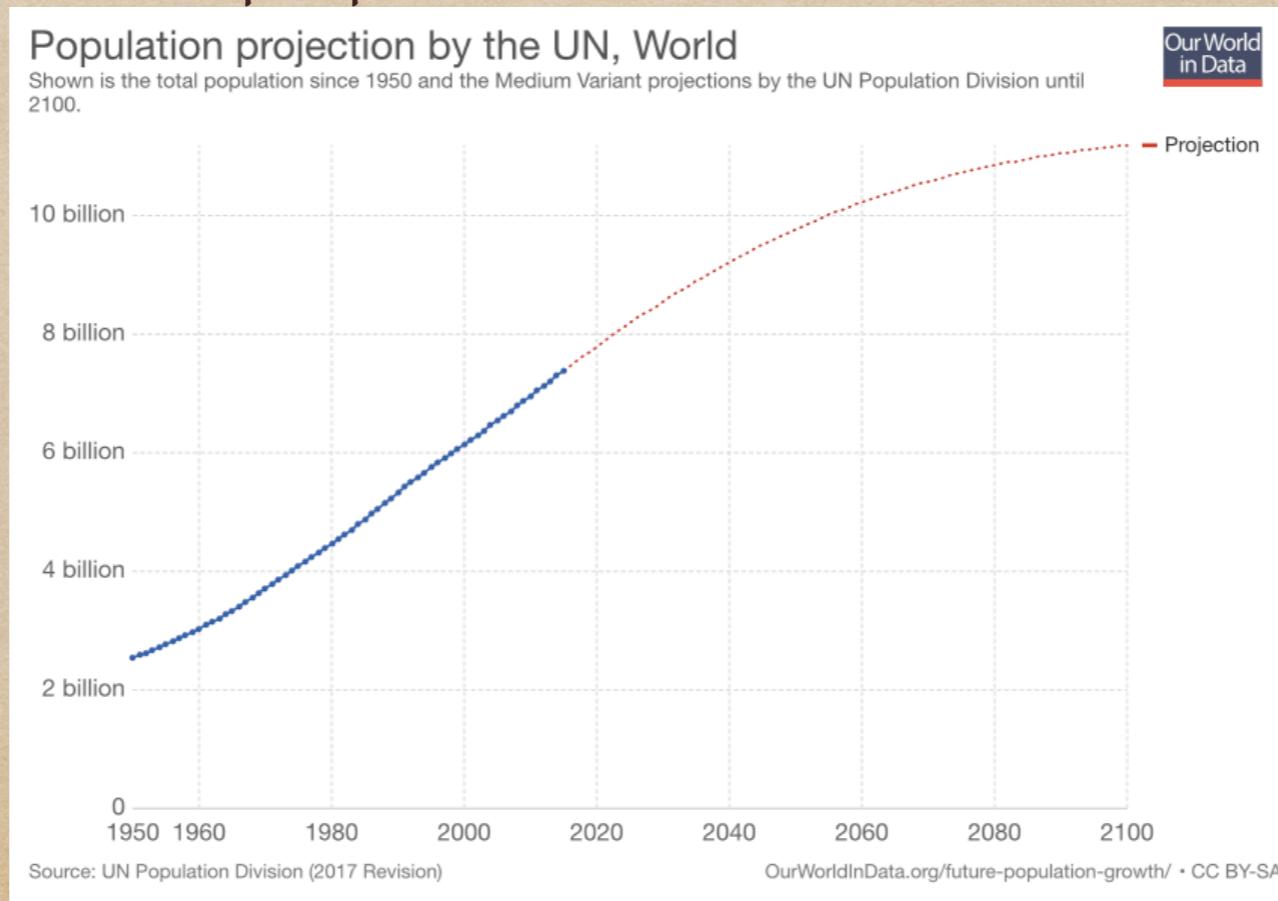
Today, 4 bn (54% of 7 bn) people live in urban areas -

In 2050, 7 bn (70% of ~ 10 bn) people will live in urban areas - an addition of 3 billion people

## 100 LARGEST CITIES

Today, 757 million people (11% of 7 bn) live in the 100 largest cities -

By the end of 21st Century, 3 bn people (23% of 13 bn) will live in the 100 largest cities - an addition of 2.25 bn people



# The Future of Cities - Urbanization

Rank	City	Country	Population (Metropolitan Area)	Projected Population (millions) 2050	City	Projected Population (millions) 2075	City	Projected Population (millions) 2100
1	Tokyo	Japan	38,001,000	51.40	 Mumbai	65.86	 Lagos	88.30
2	Delhi	India	25,703,168	36.16	 Lagos	55.26	 Mumbai	83.53
3	Shanghai	China	23,740,778	35.19	 Kinshasa	54.51	 Dar es Salaam	73.68
4	Sao Paulo	Brazil	21,066,245	35.00	 Delhi	49.34	 New Delhi	68.37
5	Mumbai	India	21,042,538	33.04	 Kolkata	45.09	 Kinshasa	65.21
6	Mexico City	Mexico	20,998,543	32.63	 Karachi	43.37	 Dhaka	58.41
7	Beijing	China	20,383,994	32.62	 Dhaka	42.45	 Khartoum	57.13
8	Osaka	Japan	20,237,645	31.70	 Dar es Salaam	37.49	 Cairo	56.92
9	Cairo	Egypt	18,771,769	24.77	 Cairo	33.00	 Manila	56.75
10	New York	United States	18,593,220	24.33	 Manila	32.75	 Kolkata	56.14

# The Problems of Mega-Urbanization

- ◆ Overcrowding (crime)
- ◆ Pollution
- ◆ Trash
- ◆ Traffic/Infrastructure
- ◆ Noise / Light
- ◆ Deteriorating health
- ◆ 2/3 of all cities are coastal (1.5 bn people in flood areas)



# what are we giving up by moving to mega-cities

- ◆ Silence
- ◆ Darkness/night sky
- ◆ Clean air/no pollution

The Future of Cities  
City Development  
TED Talk:

<https://www.ted.com/talks/>

robert muggah the biggest risks facing cities and some solutions?

rss#t-423146

17 min

# Why are people moving to mega-cities

- ◆ 1
- ◆ 2
- ◆ 3
- ◆ 4
- ◆ 5
- ◆ 6
- ◆ 7
- ◆ 8
- ◆ 9

# Why are people moving to mega-cities

- ◆ “Excitement”
- ◆ Jobs
- ◆ Education/universities
- ◆ Culture (theater, music, film, concerts)
- ◆ Sport
- ◆ Infrastructure - airport
- ◆ Health access (hospitals)
- ◆ “Excitement” - nightlife/bars
- ◆ Government

# If people want to move to mega-cities

and . . .

- ◆ get what they want
- ◆ accept giving up certain things

. . . then the question is . . .

# If people want to move to mega-cities

- ◆ Should we prevent them from doing so?
- ◆ No?

## Why not?

- ◆ Overcrowding (crime)
- ◆ Pollution
- ◆ Trash
- ◆ Traffic/Infrastructure
- ◆ Noise / Light
- ◆ Deteriorating health

# If people want to move to mega-cities

- ◆ Should we prevent them from doing so?
- ◆ No? Why not?
- ◆ Yes! But how?

# The Solution

- ◆ Build NEW cities and give people what they want!
  - ◆ “Excitement”
  - ◆ Jobs
  - ◆ Education/universities
  - ◆ Culture (theater, music, film, concerts)
  - ◆ Sport
  - ◆ Infrastructure - airport
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  - ◆ Government

# New Cities

- ◆ So, how do you build a new city?

Or to put it differently:

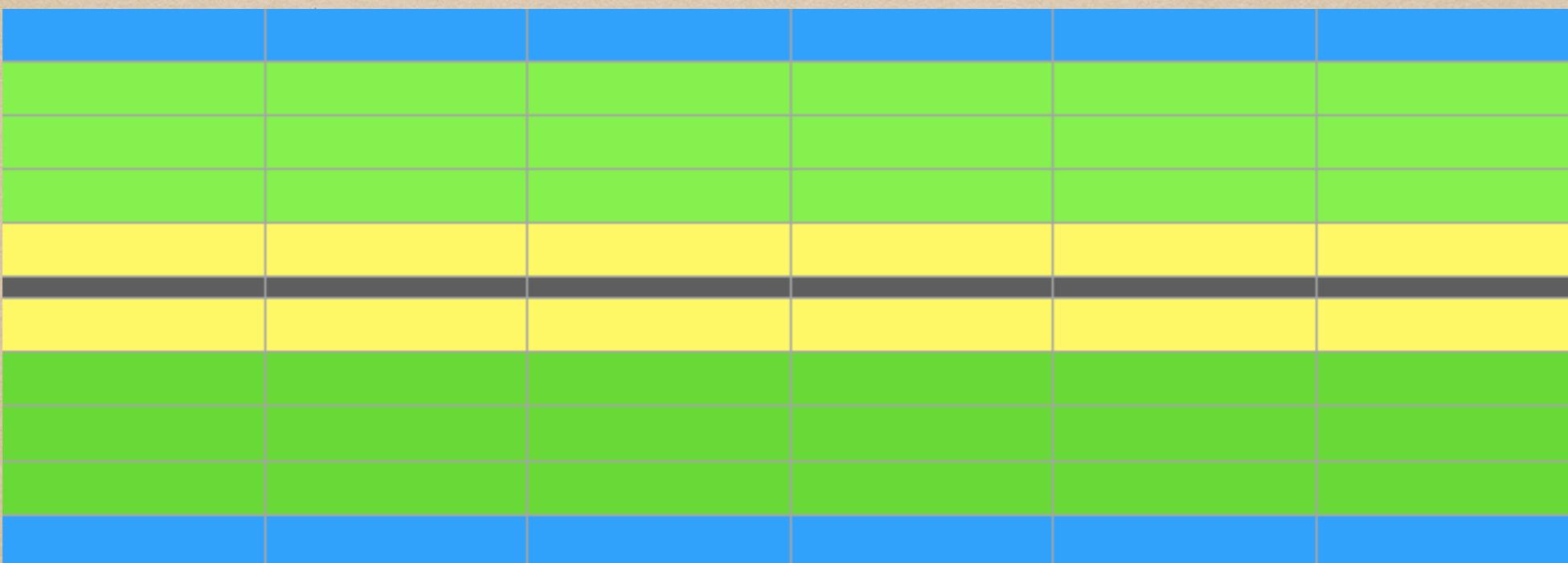
- ◆ If LIFE is about (at least) 2 things

Work life

Leisure time/recreation/connection

- ◆ Then what would YOU require from a new city ?

# Torben's City Plan



# Torben's City Plan



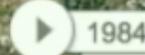
# Paul's City Plan



# Dallas, 1984

## Build densely, and sustainably

In Dallas-Forthworth, less than 5% of the city's residents use public transport and the city has one of the longest commutes in the US.



1984

Medium

1984

EarthTime

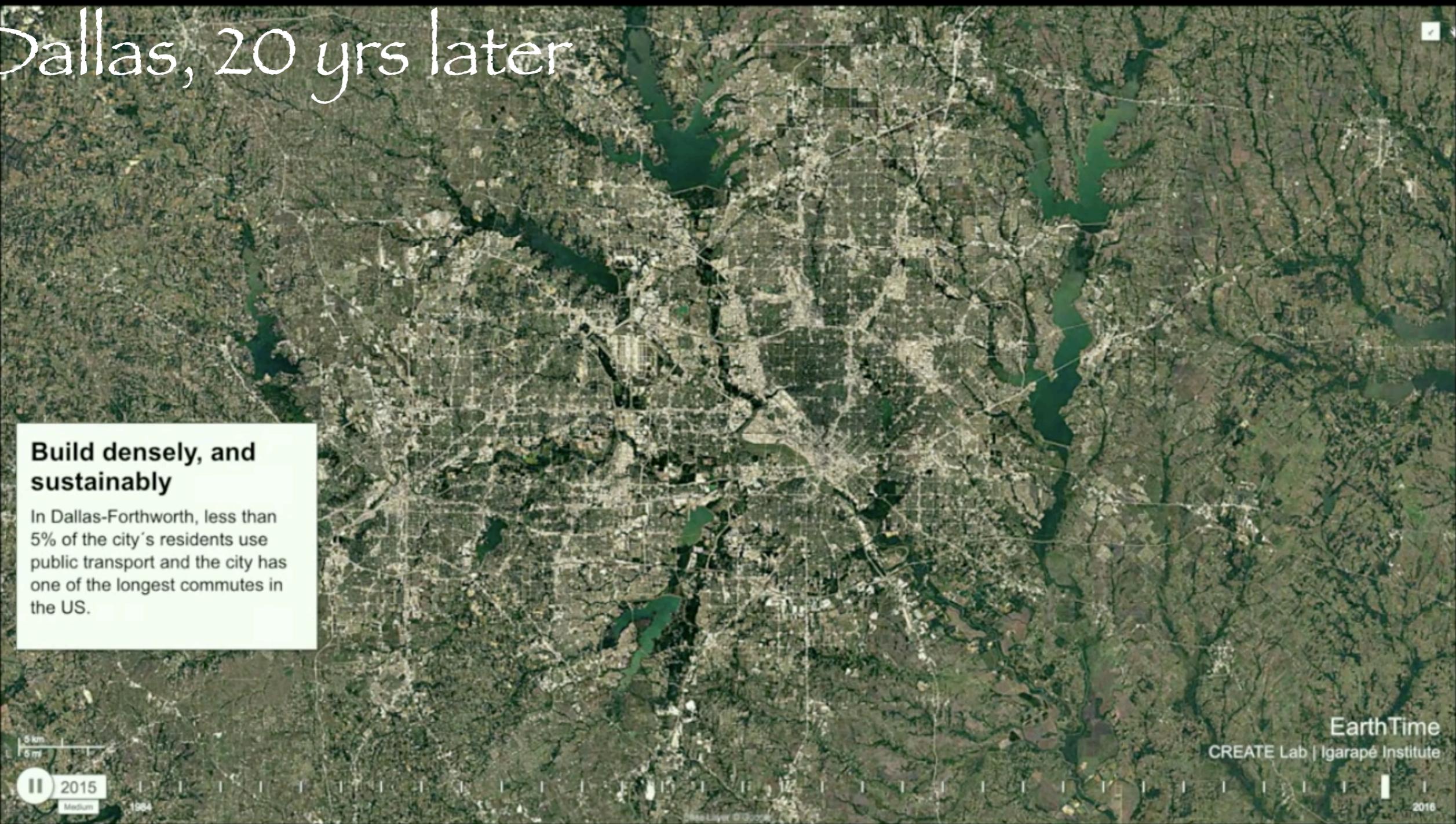
CREATE Lab | Igarape Institute

2016

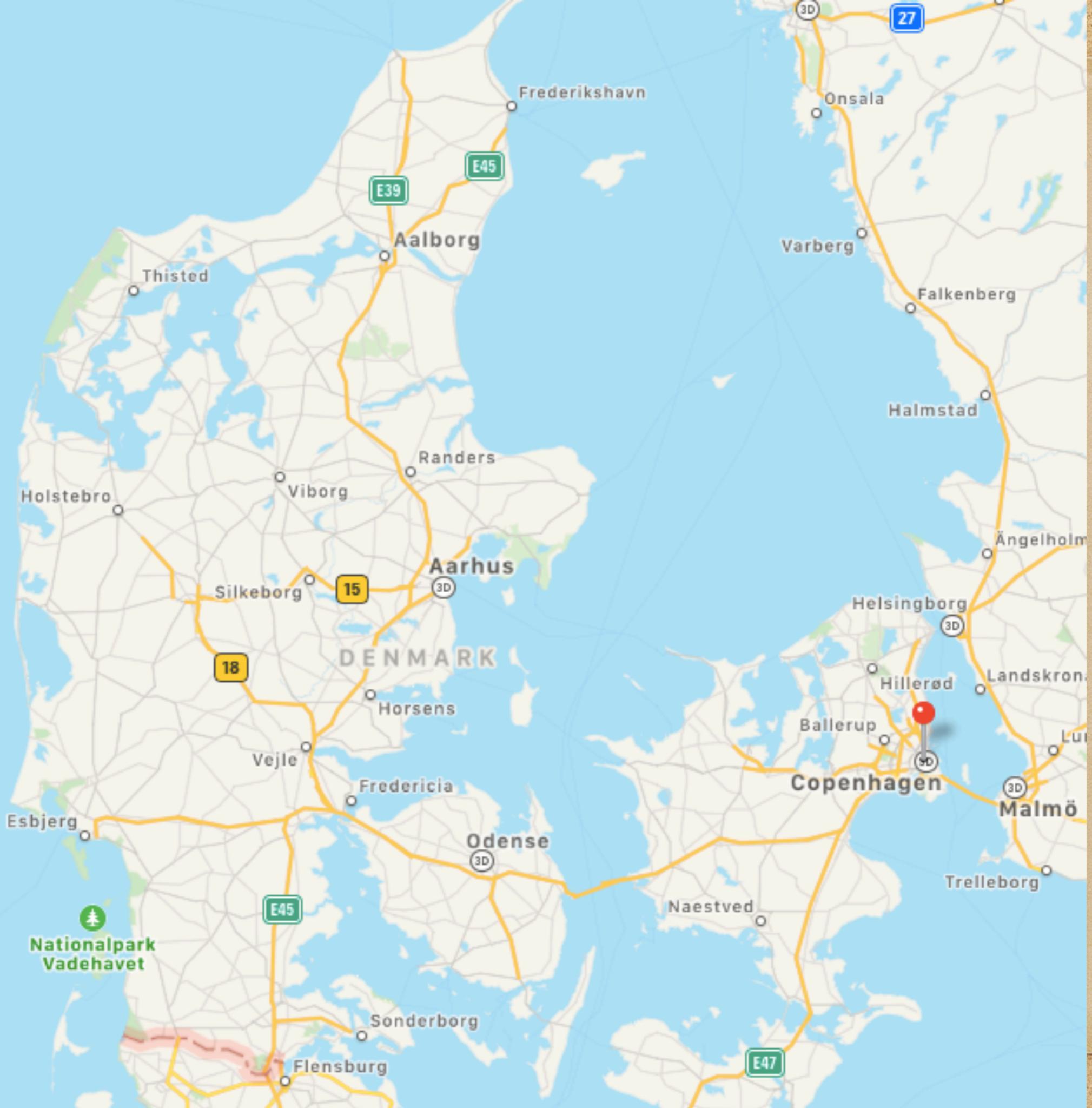
# Dallas, 20 yrs later

## Build densely, and sustainably

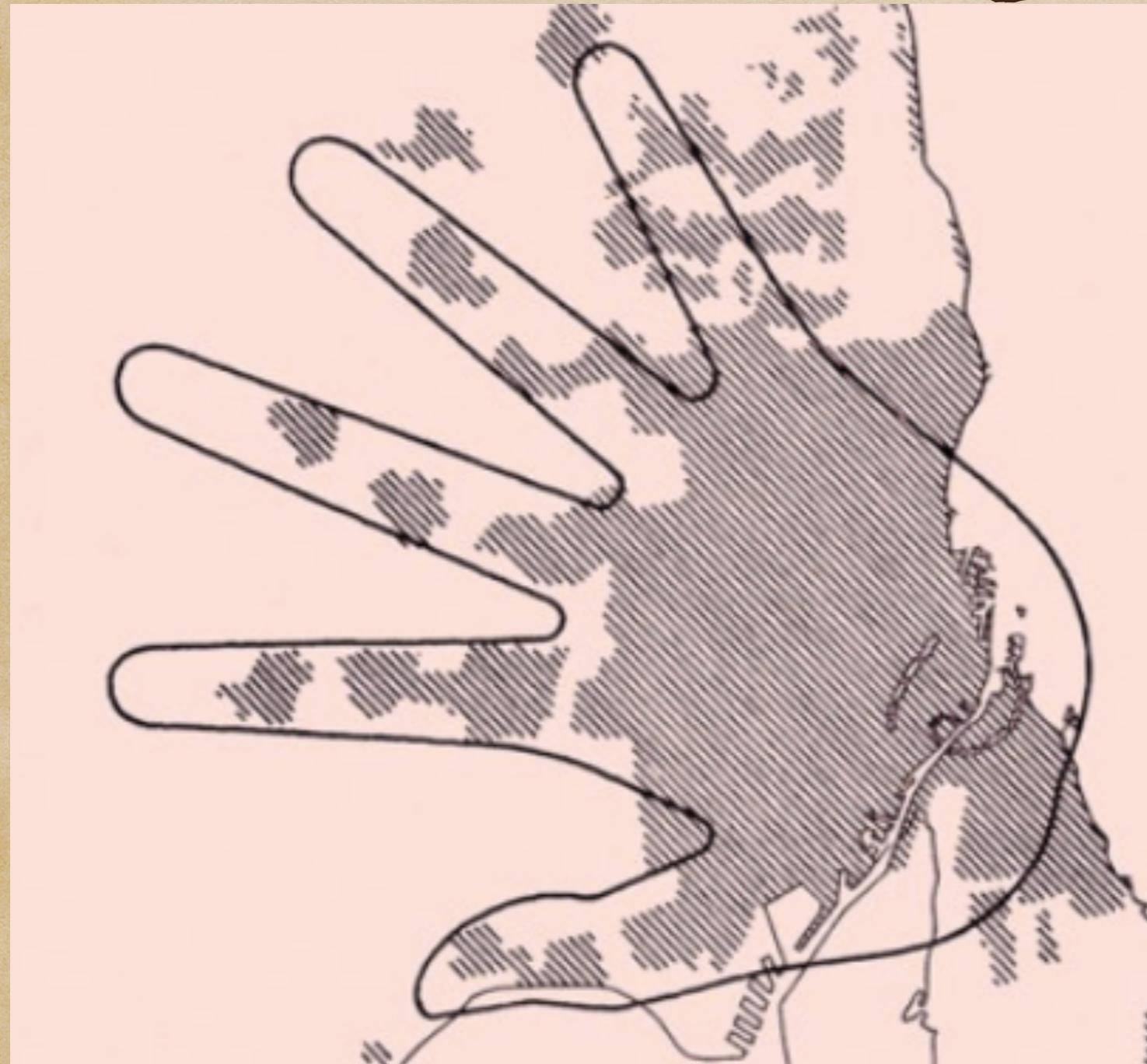
In Dallas-Forthworth, less than 5% of the city's residents use public transport and the city has one of the longest commutes in the US.







# The 5 Finger Plan



# Torben's City Plan



# The Old City













# Ringroads





Tyranny of the  
engineers

The ultimate  
bad planning







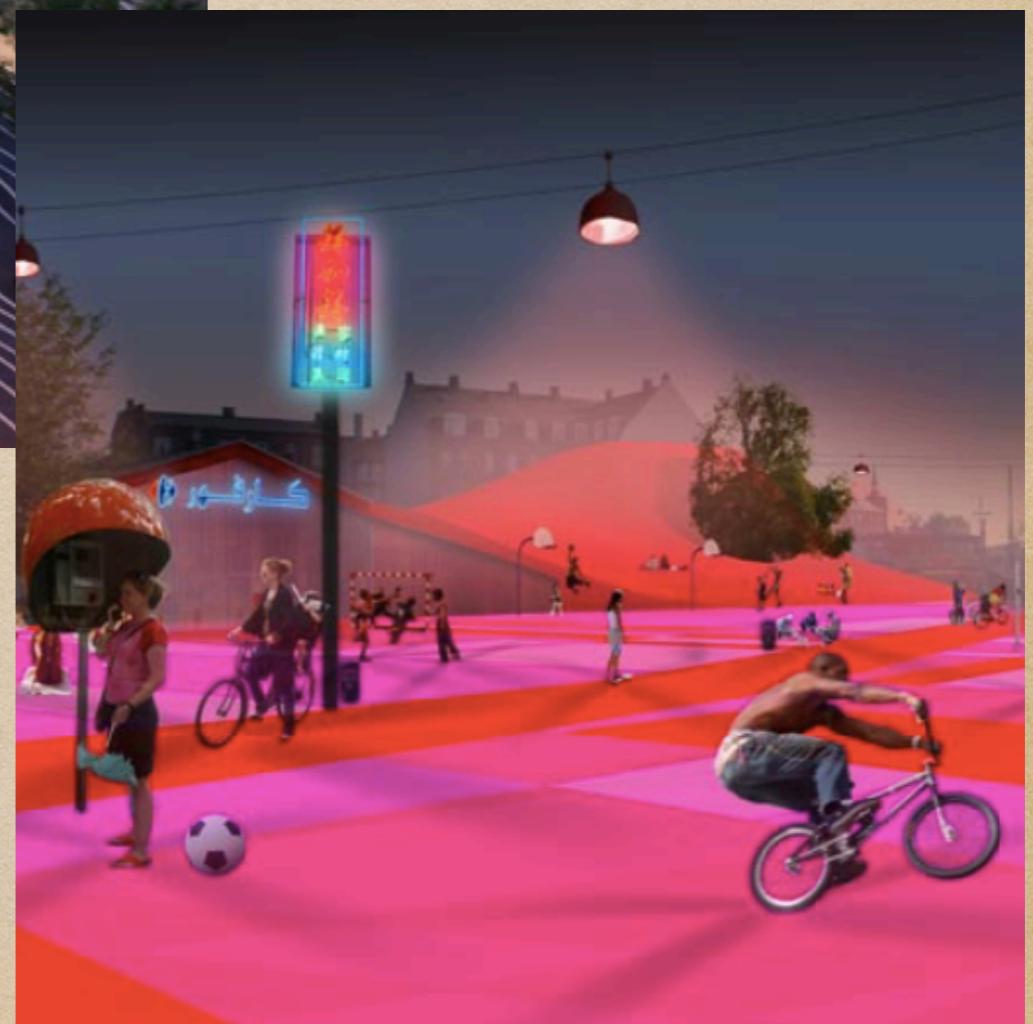
A20

A98

# The Future of Cities City Development TED Talk:

[https://www.ted.com/talks/mara\\_mintzer\\_how\\_kids\\_can\\_help\\_design\\_cities?](https://www.ted.com/talks/mara_mintzer_how_kids_can_help_design_cities?utm_source=newletter_daily&utm_campaign=daily&utm_medium=email&utm_content=image_2018-11-07)  
utm\_source=newletter\_daily&utm\_campaign=daily&utm\_medium=email&utm\_content=image\_2018-11-07

14 min



# The New City









# The Solution

- ◆ If we give people what they want in new cities, will they stay away from the old cities?

- ◆ “Excitement”
- ◆ Jobs
- ◆ Education/universities
- ◆ Culture (theater, music, film, concerts)
- ◆ Sport
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# The Solution

- ◆ Why does it matter?

Growth in quality - not in quantity

For example:

Amazon HQ in New York and Maryland

# The Future of Cities

*Thank You!*