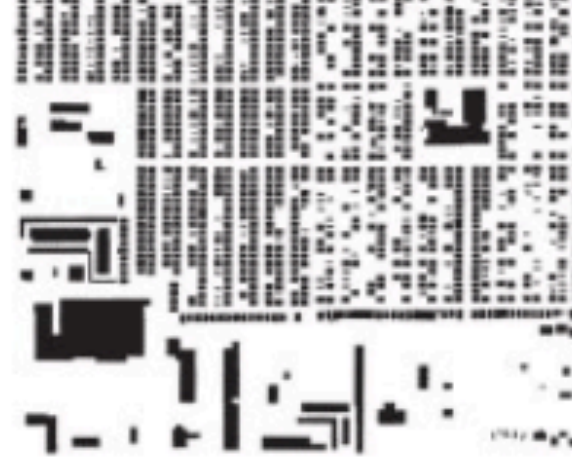




The Future of Cities

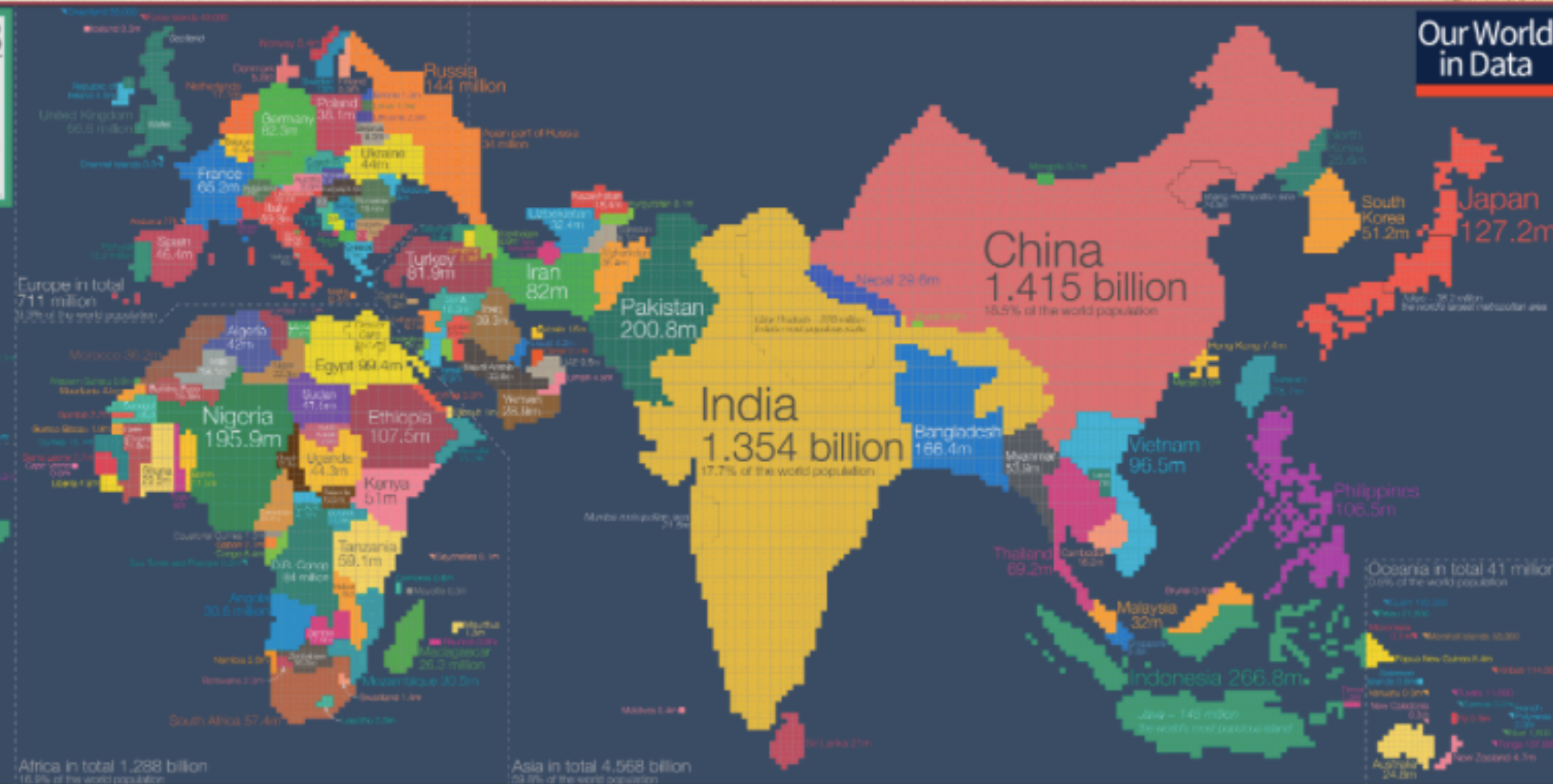


A Different World Map

World Population in 2018

The country's size in this map represents the size of the population. Each square [■] represents 500,000 people. All 15,266 squares show where the world's 7.633 billion people live.

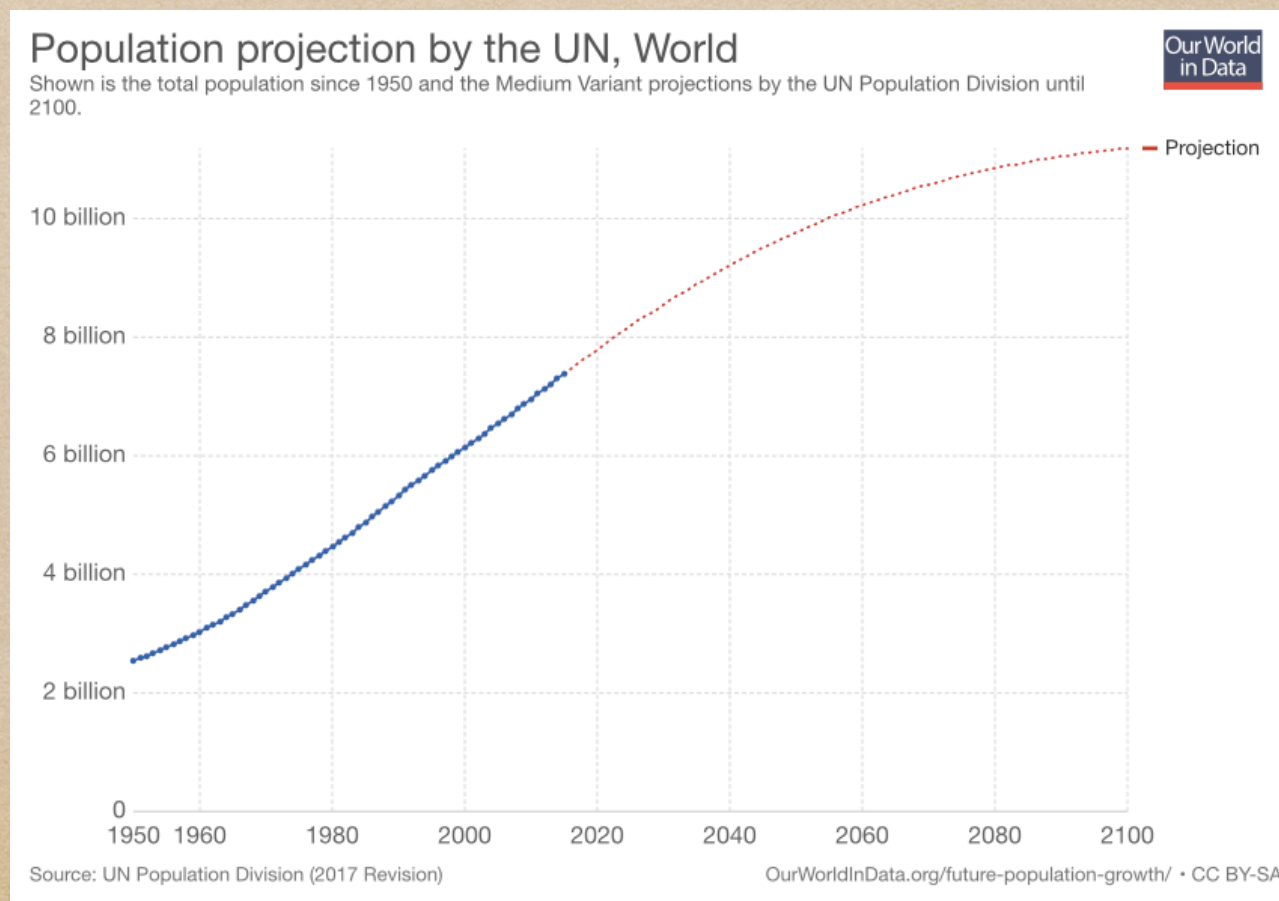
by Max Roser for [OurWorldinData.org](https://ourworldindata.org) – the free online publication that presents the data and research on how the world is changing. Population data from the UN Population Division. Version 1 (September 2018). License: CC BY-SA.



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 world's 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

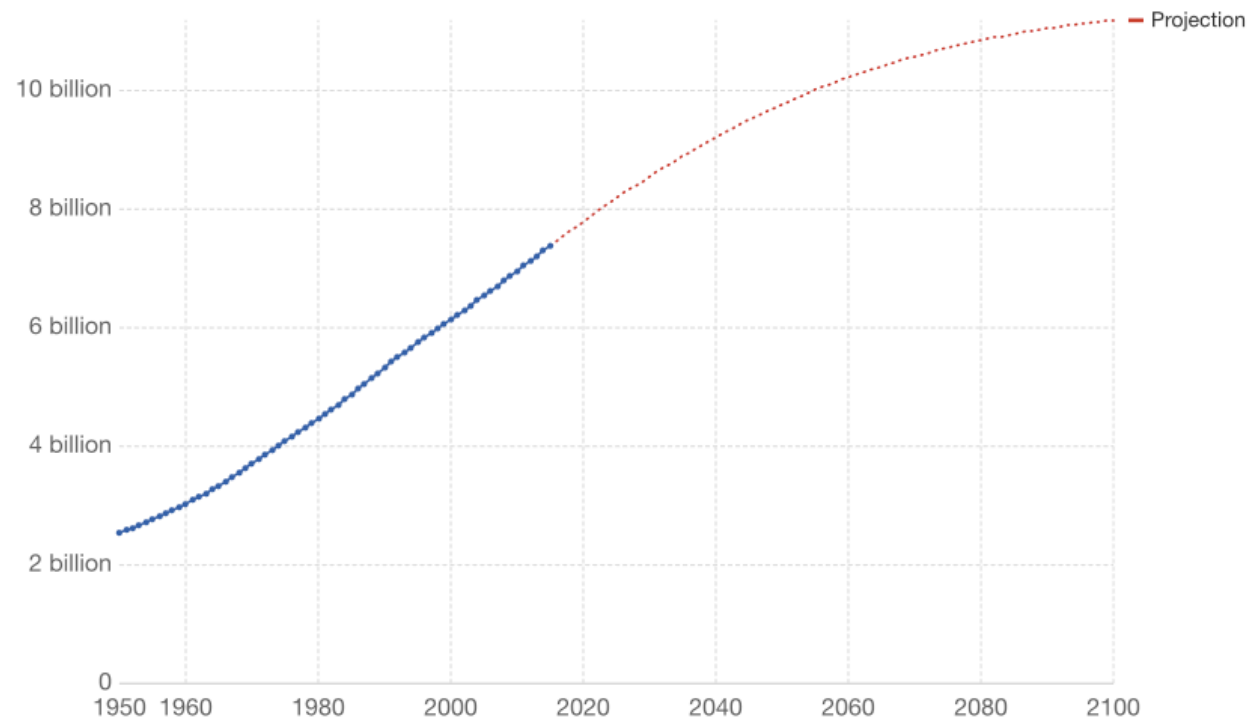
100 LARGEST CITIES

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

Population projection by the UN, World

Shown is the total population since 1950 and the Medium Variant projections by the UN Population Division until 2100.

Our World
in Data



Source: UN Population Division (2017 Revision)

OurWorldInData.org/future-population-growth/ • CC BY-SA

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					
2	Delhi	India	25,703,168	51.40	 Mumbai	65.86	 Lagos	88.30
3	Shanghai	China	23,740,778	36.16	 Lagos	55.26	 Mumbai	83.53
4	Sao Paulo	Brazil	21,066,245	35.19	 Kinshasa	54.51	 Dar es Salaam	73.68
5	Mumbai	India	21,042,538	35.00	 Delhi	49.34	 New Delhi	68.37
6	Mexico City	Mexico	20,998,543	33.04	 Kolkata	45.09	 Kinshasa	65.21
7	Beijing	China	20,383,994	32.63	 Karachi	43.37	 Dhaka	58.41
8	Osaka	Japan	20,237,645	32.62	 Dhaka	42.45	 Khartoum	57.13
9	Cairo	Egypt	18,771,769	31.70	 Dar es Salaam	37.49	 Cairo	56.92
10	New York	United States	18,593,220	24.77	 Cairo	33.00	 Manila	56.75
				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](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
 - ◆ Health access (hospitals)
 - ◆ "Excitement" - nightlife/bars
 - ◆ Government

New Cities

- ◆ So, how do you build a new city?

Or to put it differently:

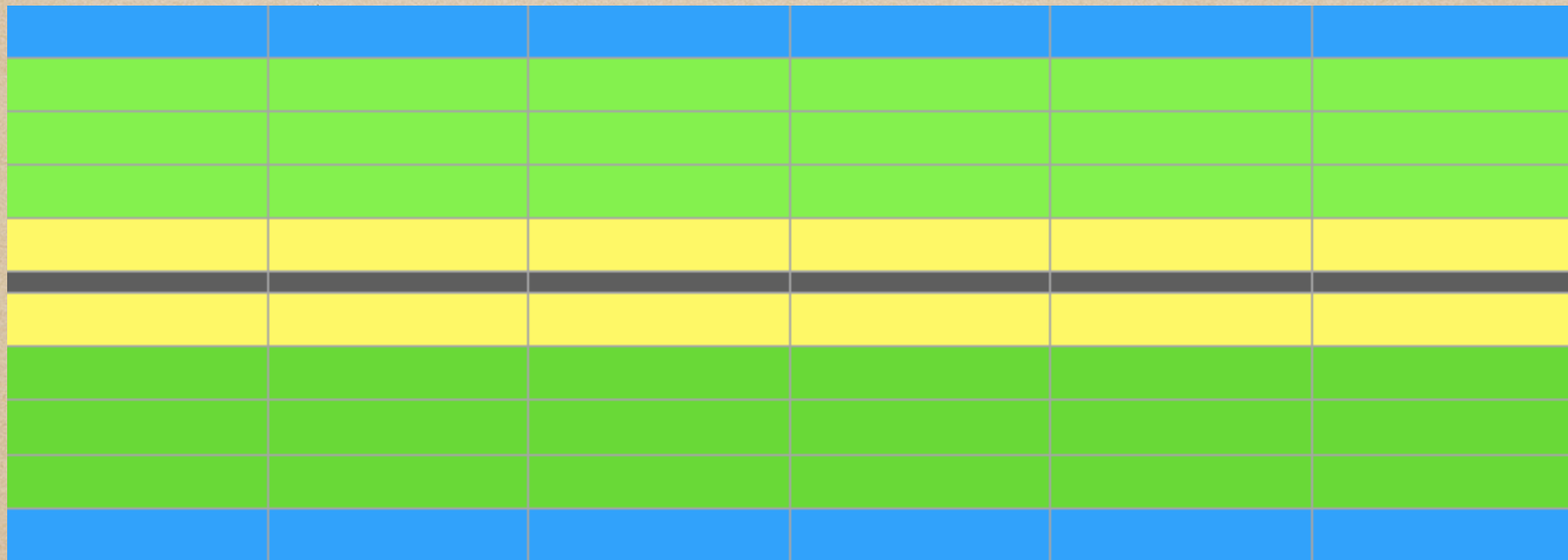
- ◆ If LIFE is about (at least) 2 things

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.

0 km
5 mi



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.

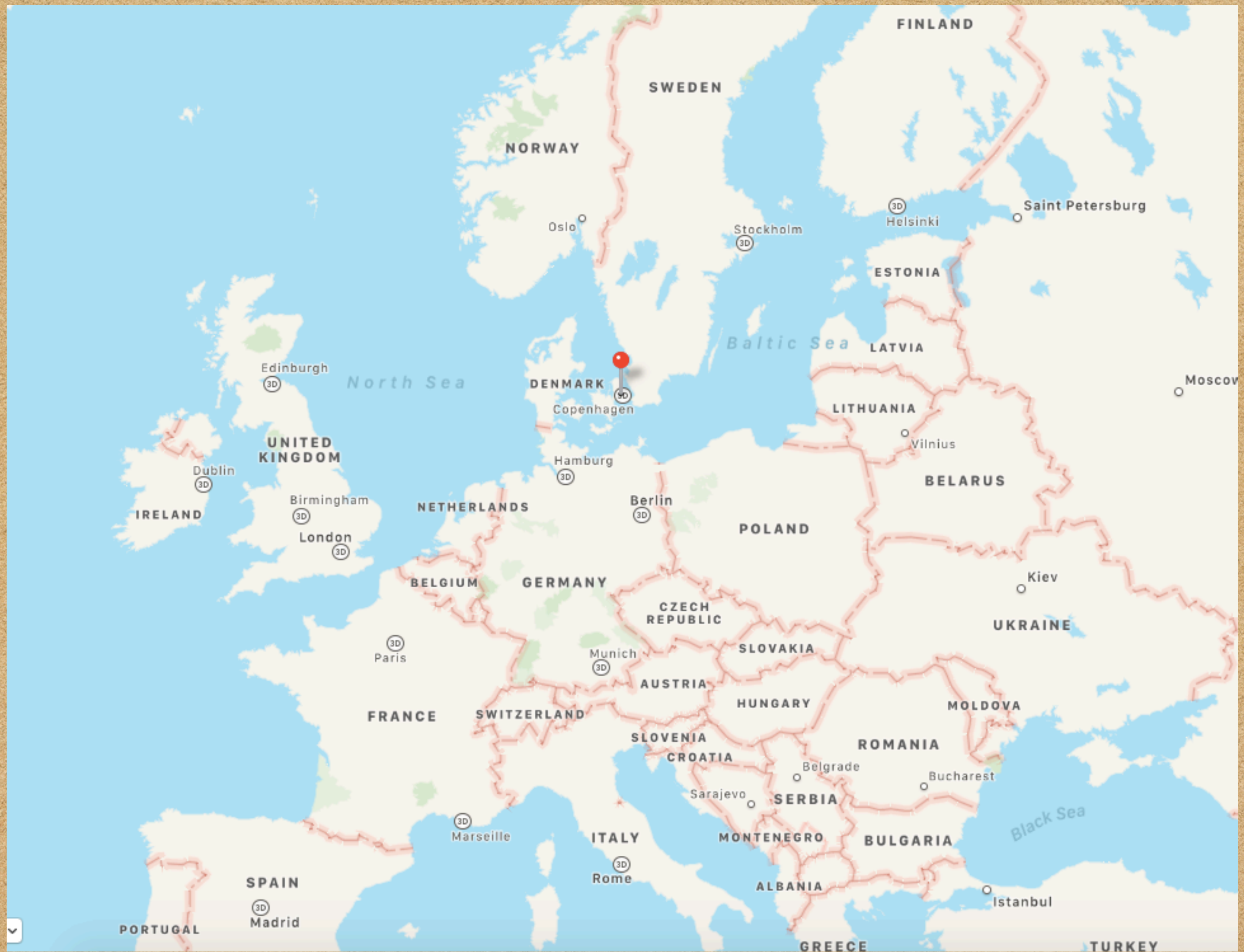
0 km
0 mi

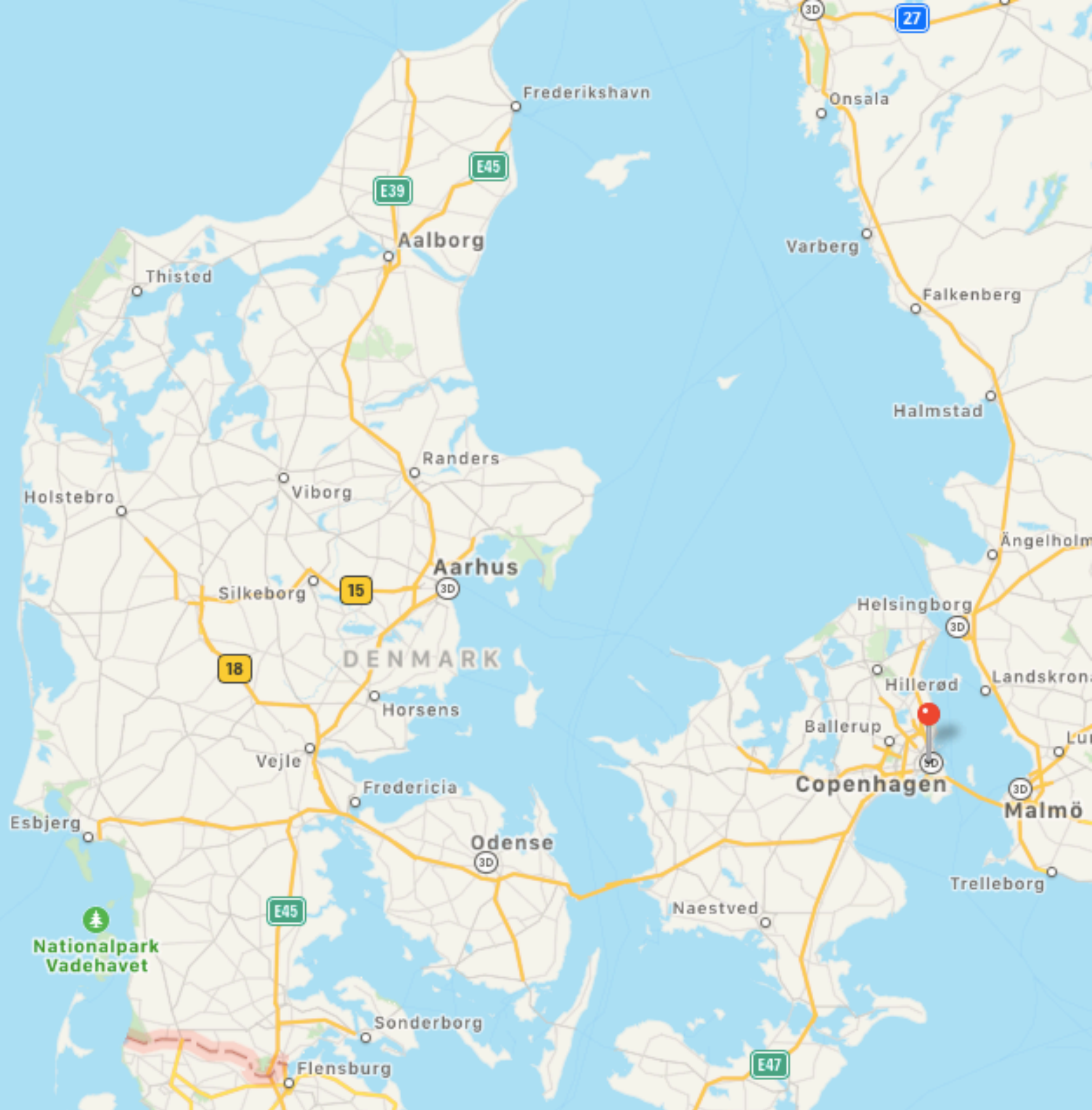
2015
Medium

1984

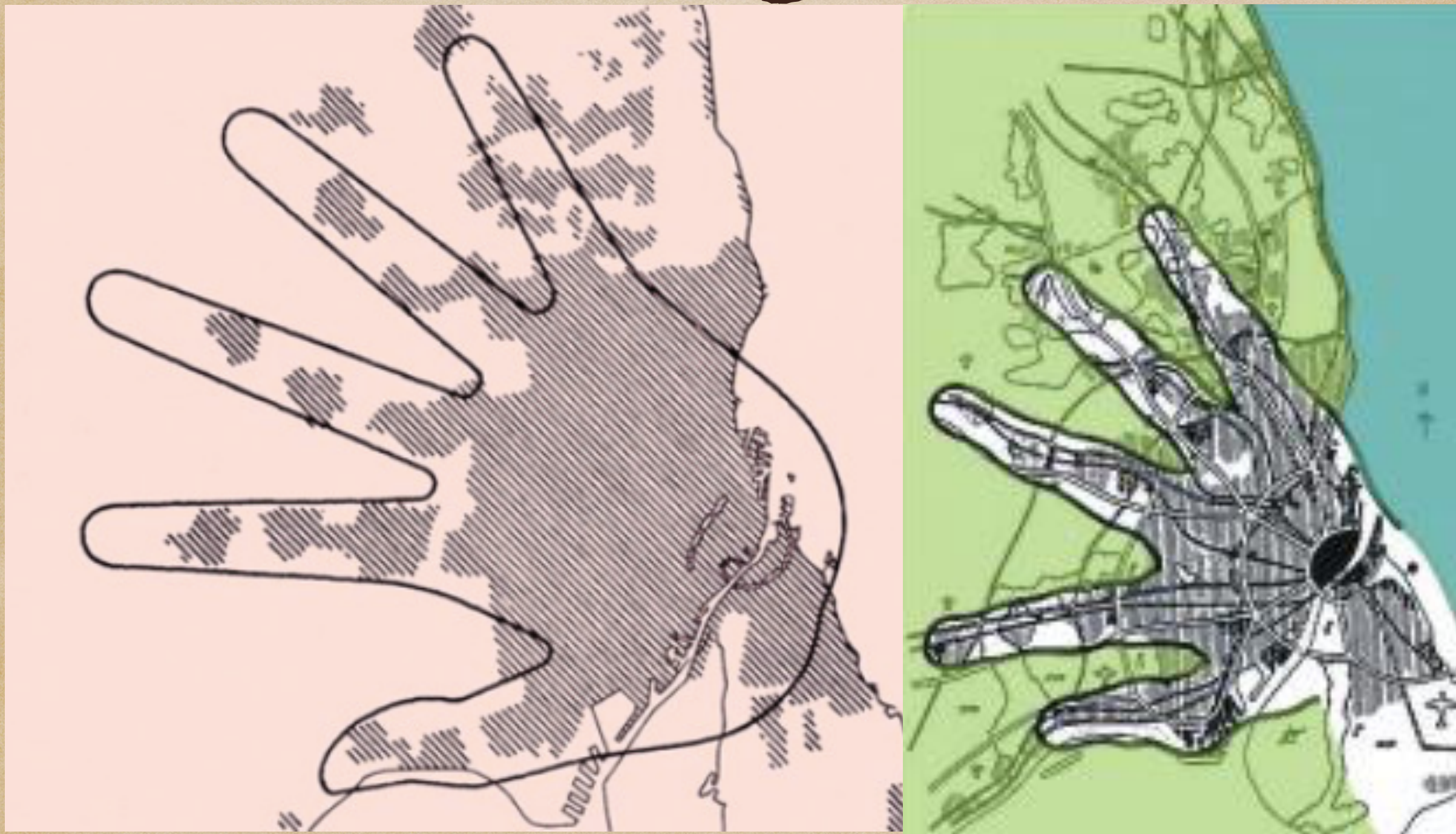
EarthTime
CREATE Lab | Igarapé Institute

2016





The 5 Finger Plan



Torben's City Plan



The Old City













Ringroads





Tyranny of the
engineers

The ultimate
bad planning



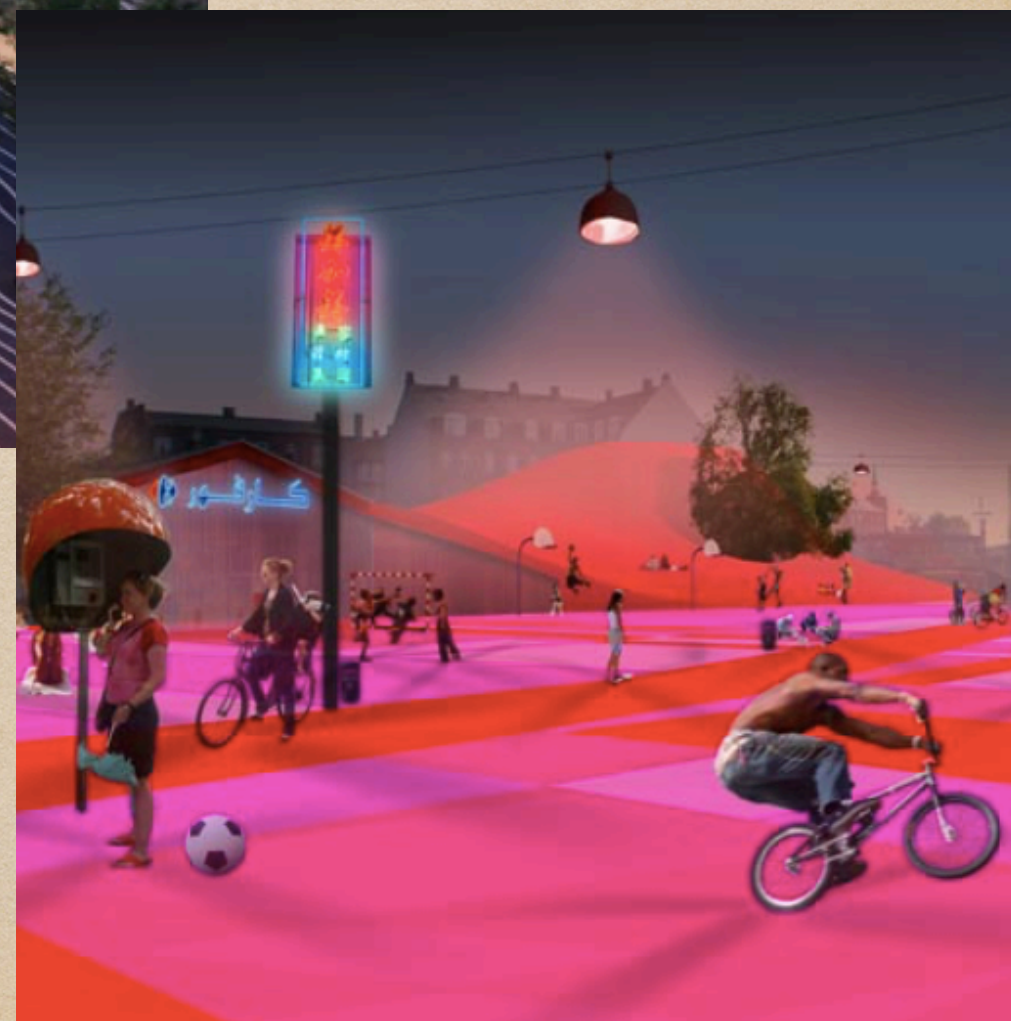




The Future of Cities
City Development
TED Talk:

[https://www.ted.com/talks/mara_mintzer_how_kids_can_help_design_cities?
utm_source=newsletter_daily&utm_campaign=daily&utm_medium=email&utm_co
ntent=image](https://www.ted.com/talks/mara_mintzer_how_kids_can_help_design_cities?utm_source=newsletter_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
 - ◆ Infrastructure - airport
 - ◆ Health access (hospitals)
 - ◆ "Excitement" - nightlife/bars
 - ◆ Government

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!