



URBAN GEOGRAPHY

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PhD

OVERVIEW



- An Urbanizing World 도시화의 세계
- Origins and Evolution of Cities 도시의 기원과 진화
- Functions of Cities 도시의 기능
- Systems of Cities 도시 시스템
- Inside the City 인사이드 더 시티
- Global Urban Diversity 글로벌 도시 다양성

WHAT DO YOU SEE IN A CITY?



Things That Are in A City

There are many different cities in the world. But, simply put, cities are the most developed space where most people live, work and have a life.

- There are lots of common things that cities share & present... 도시들의 공통점 많다...

WHAT DO YOU SEE IN A CITY?

LET'S CLOSE YOUR EYES FOR A MINUTE...

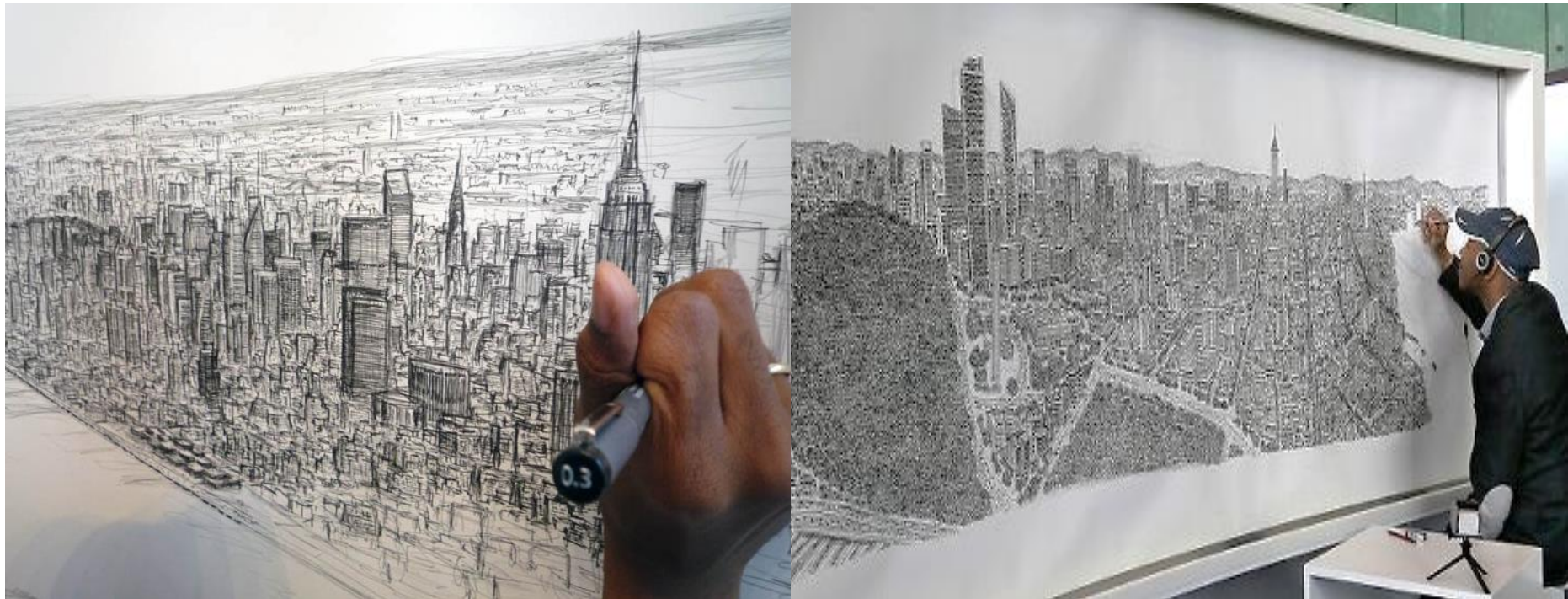
Imagine you are looking at the city from the top of a mountain, what do you really “see” in a city?



'HUMAN CAMERA' AUTISM GENIUS ARTIST STEPHEN WILTSHIRE

'인간사진기' 자폐증 천재 화가 '스티븐 윌트셔'

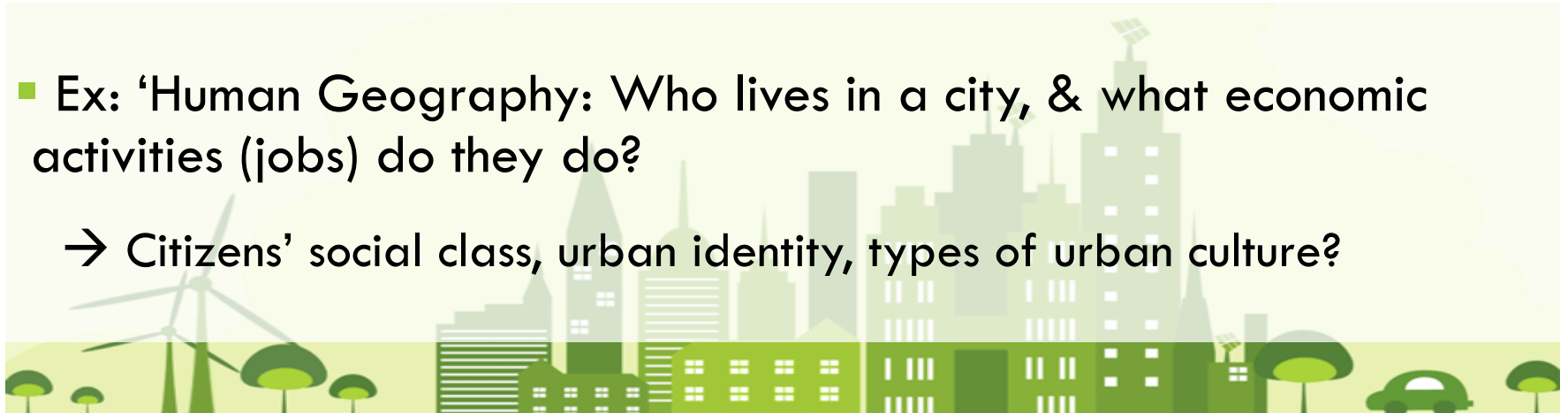
After only a 20 minute helicopter ride over NYC, autistic artist, Stephen draws detailed cityscapes & city panoramas
전경, in pen, entirely from memory...



WHAT IS 'URBAN' GEOGRAPHY?

Urban geography examines location & space to analyze the spatial processes that create special patterns found in urban areas.

- Ex: Physical Geography: Why a city is located in a specific area?
 - How the environmental conditions play a large role in whether or not a city develops?
- Ex: 'Human Geography: Who lives in a city, & what economic activities (jobs) do they do?
 - Citizens' social class, urban identity, types of urban culture?



WHAT IS 'URBAN' GEOGRAPHY?

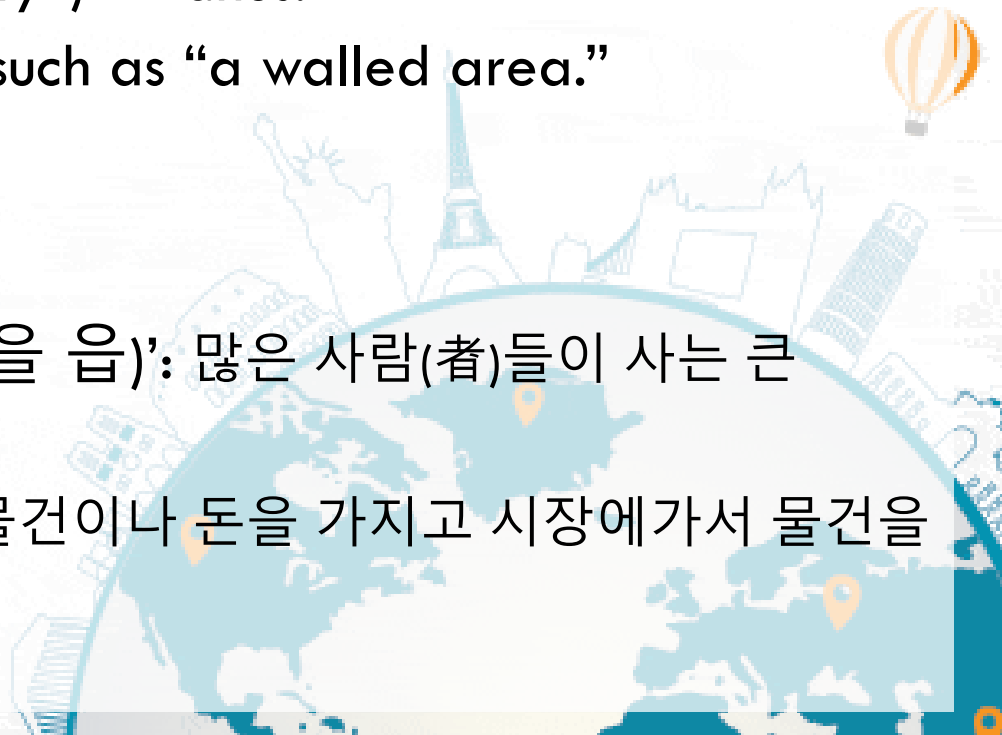
Urban: (adj.): “of or relating to a city or town”; densely populated areas.

Latin 라틴어: Urbānus; Urbs (“city”) + -ānus.

- Urbs: “verb-” (to enclose), such as “a walled area.”

도시 Urban/ City:

- 도 ‘都’: 耆(놈 자) + 邑(고을 읍): 많은 사람(耆)들이 사는 큰 마을 → 도읍
- 시 ‘市’: 저자, 시장, 장사하다; 물건이나 돈을 가지고 시장에가서 물건을 구하거나 판다는 뜻



AN 'URBANIZING' WORLD

What's the trend? → continuously rapid growth of cities

- 1800: 3% of world's population lived in cities
- 1950: < 30% of the total population in cities.
- Now: > 50% of world's population in cities.

Megacities: Urban agglomerations having over 10 million inhabitants (UN Department of Economic & Social Affairs, 2018)

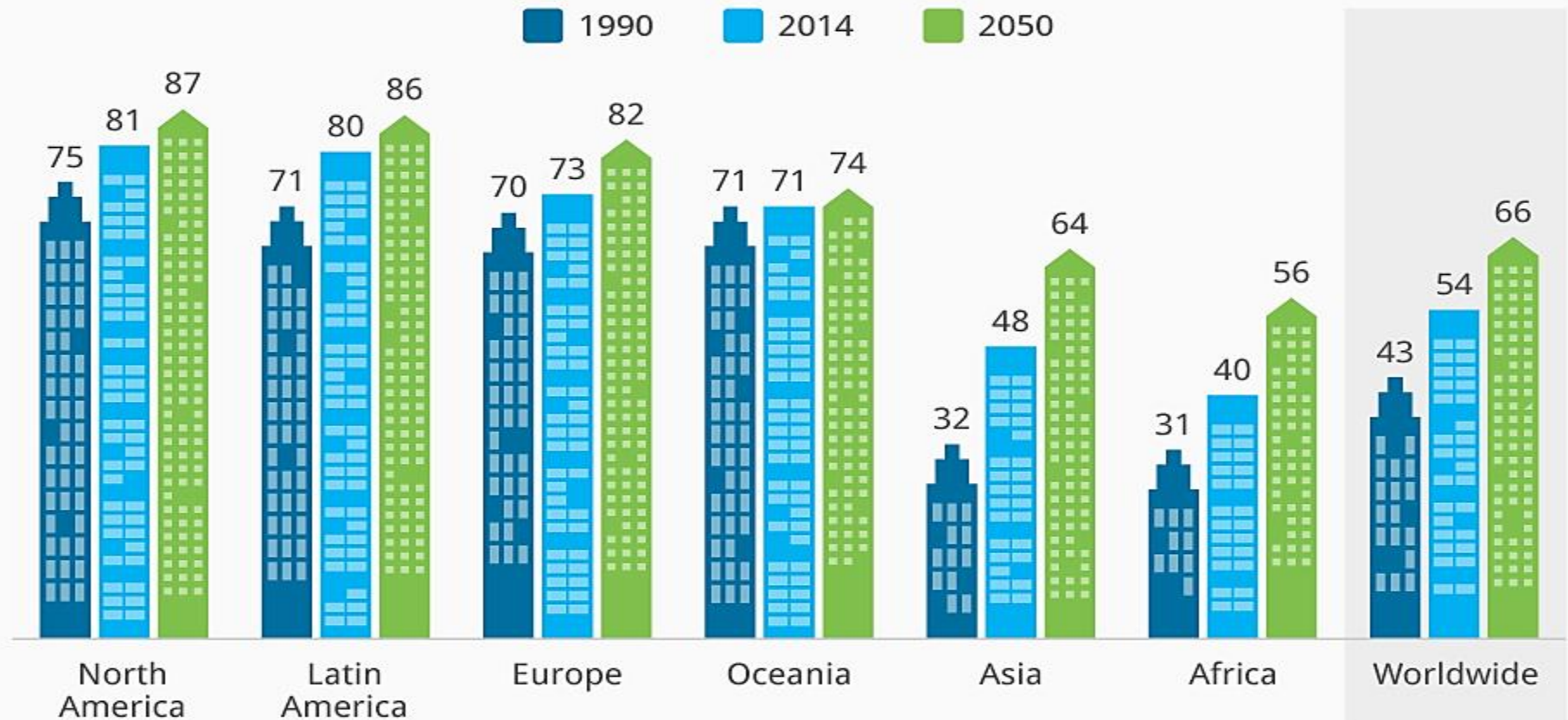
메가시티는 인구가 1000만 명이 넘는 도시를 가리킨다.

- 2008, 19 megacities
- 2020, 37 megacities & the trend continues...

AN 'URBANIZING' WORLD

54% of the World's Population Now Lives in Cities

% of the population living in urban areas



AN URBANIZING WORLD

Industrialization fosters urbanization

- The **most industrialized** regions are the **most urbanized**.

Urbanization in developing countries only partly due to industrialization

- People from rural areas seeking a better life,
→ “**urban dream**”!
 - However, economic system often unable to support rapid urban growth...
 - Those usually end up in poverty.



THE WORLD'S FASTEST GROWING CITIES

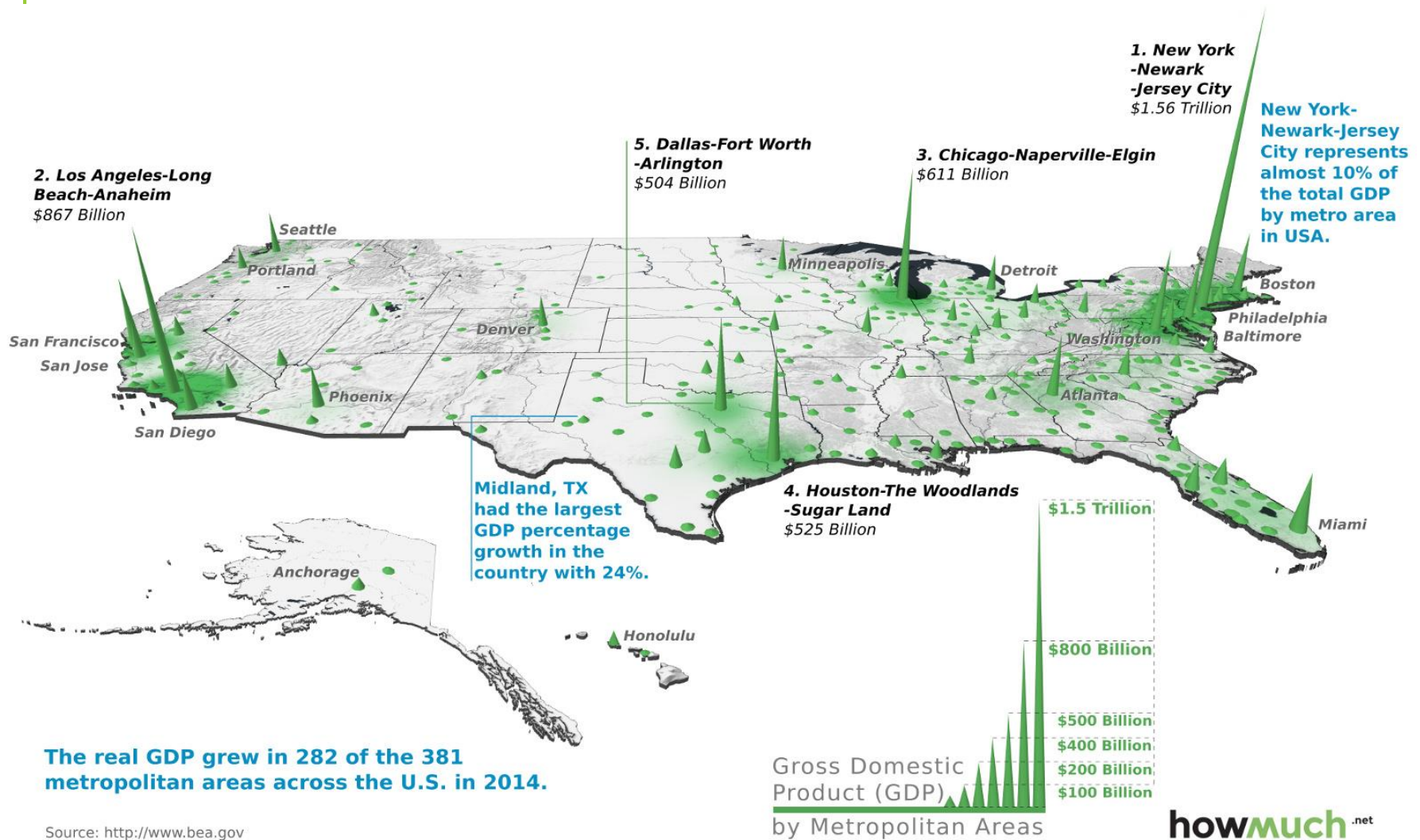
Highly developed countries already heavily rely on cities:

- United States (81%)
- Canada (82%)
- Australia (89%)
- Germany (75%) people mainly reside in urban areas

Cities like New York, or Los Angeles have massive contributions to economic production.

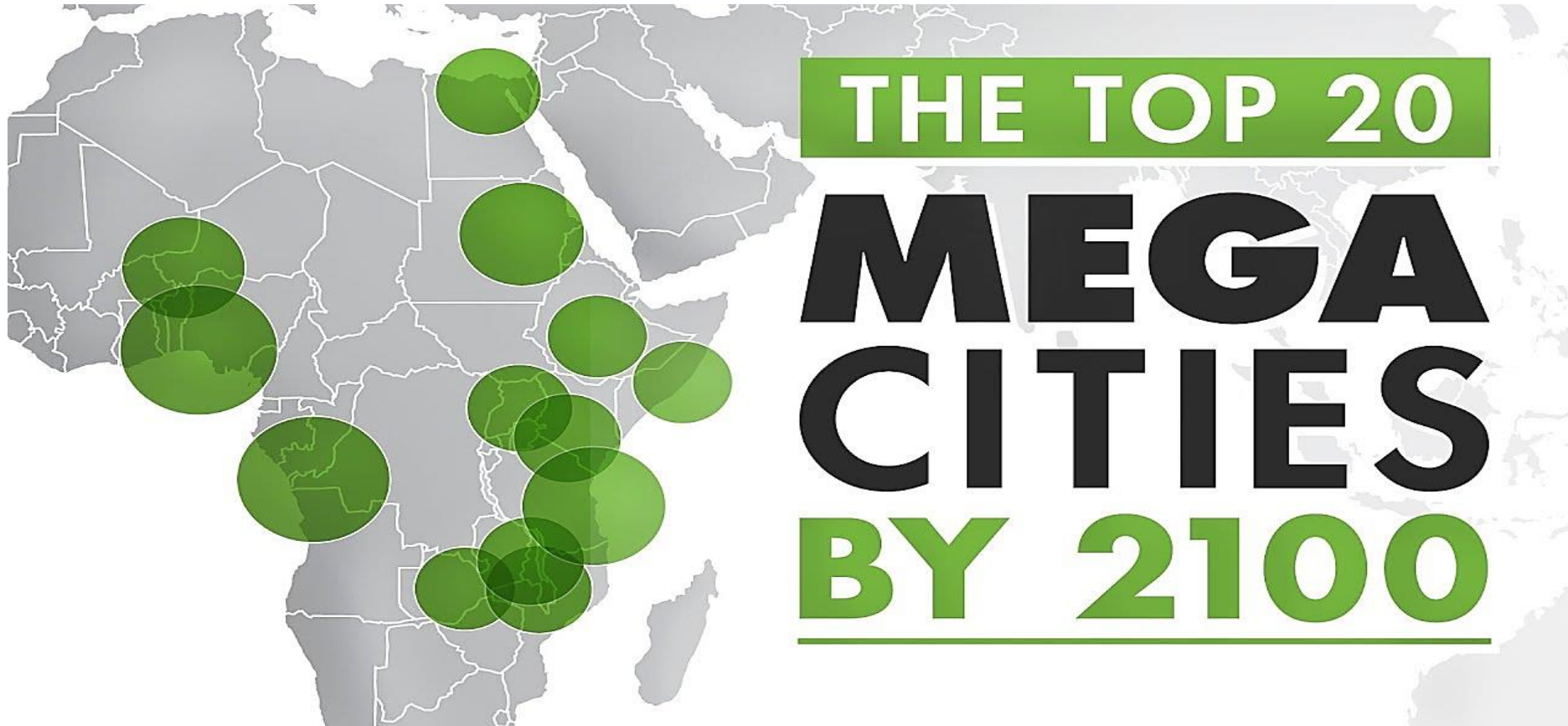
- In fact, an impressive 52% of total economic output in the U.S. comes from the top 20 urban areas in the country.
- The world's 600 largest cities generate 60% of all economic output. → **City over-dominates the world economy!**

3D MAP OF U.S. ECONOMIC CONTRIBUTION BY CITY



AN 'URBANIZING' WORLD

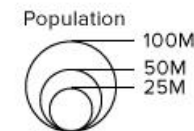
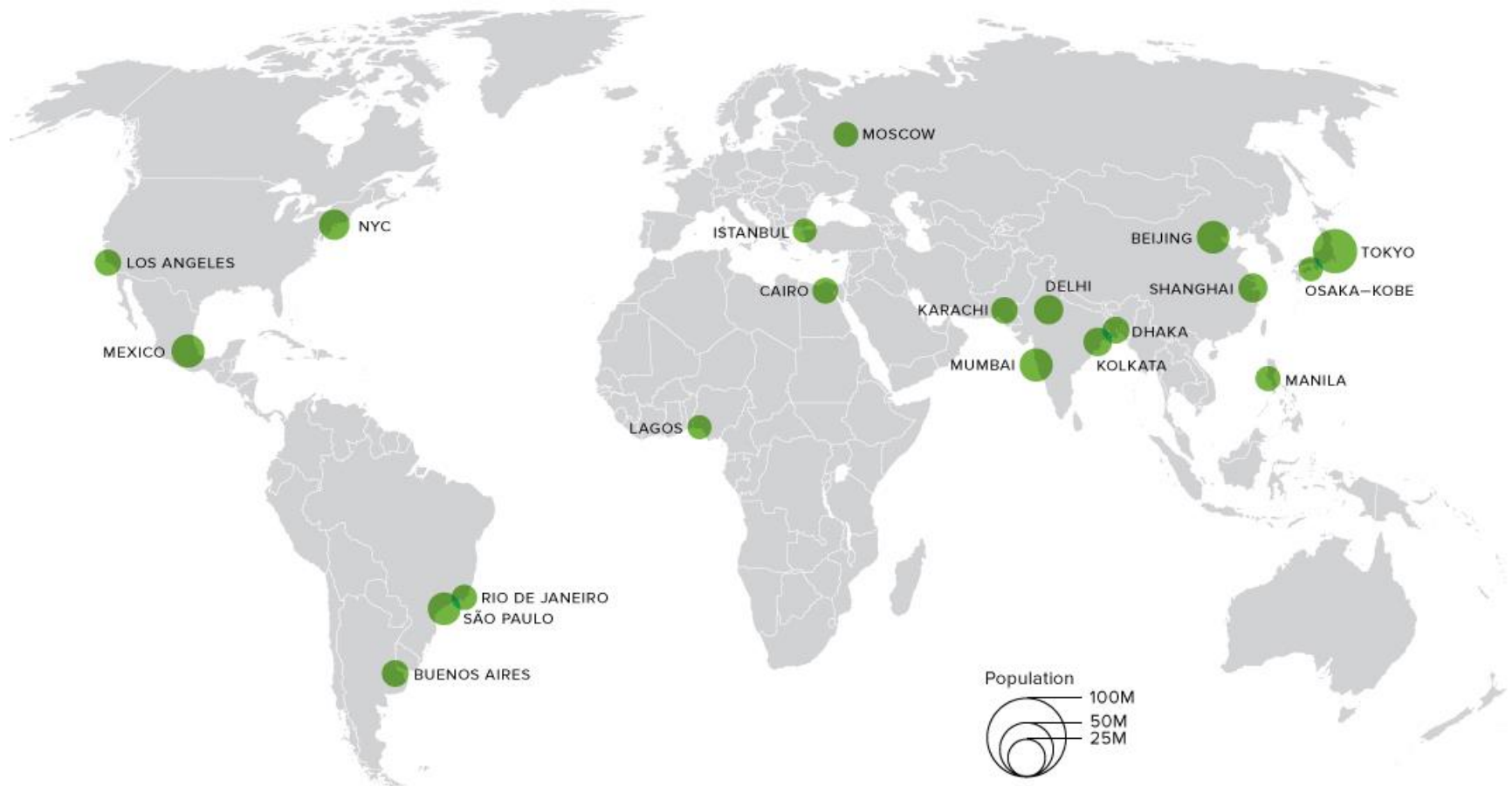
CAN YOU NAME SOME OF THE MEGACITIES IN THE WORLD?



THE WORLD'S 20 MOST POPULOUS MEGACITIES (2010 - 2100)

A total of 13 African cities will surpass New York in size over the next 80 years

2010 TOP 20 CITIES BY POPULATION



AN 'URBANIZING' WORLD

WHAT CHANGES HAVE YOU DISCOVERED FROM THE ANIMATED MAP?

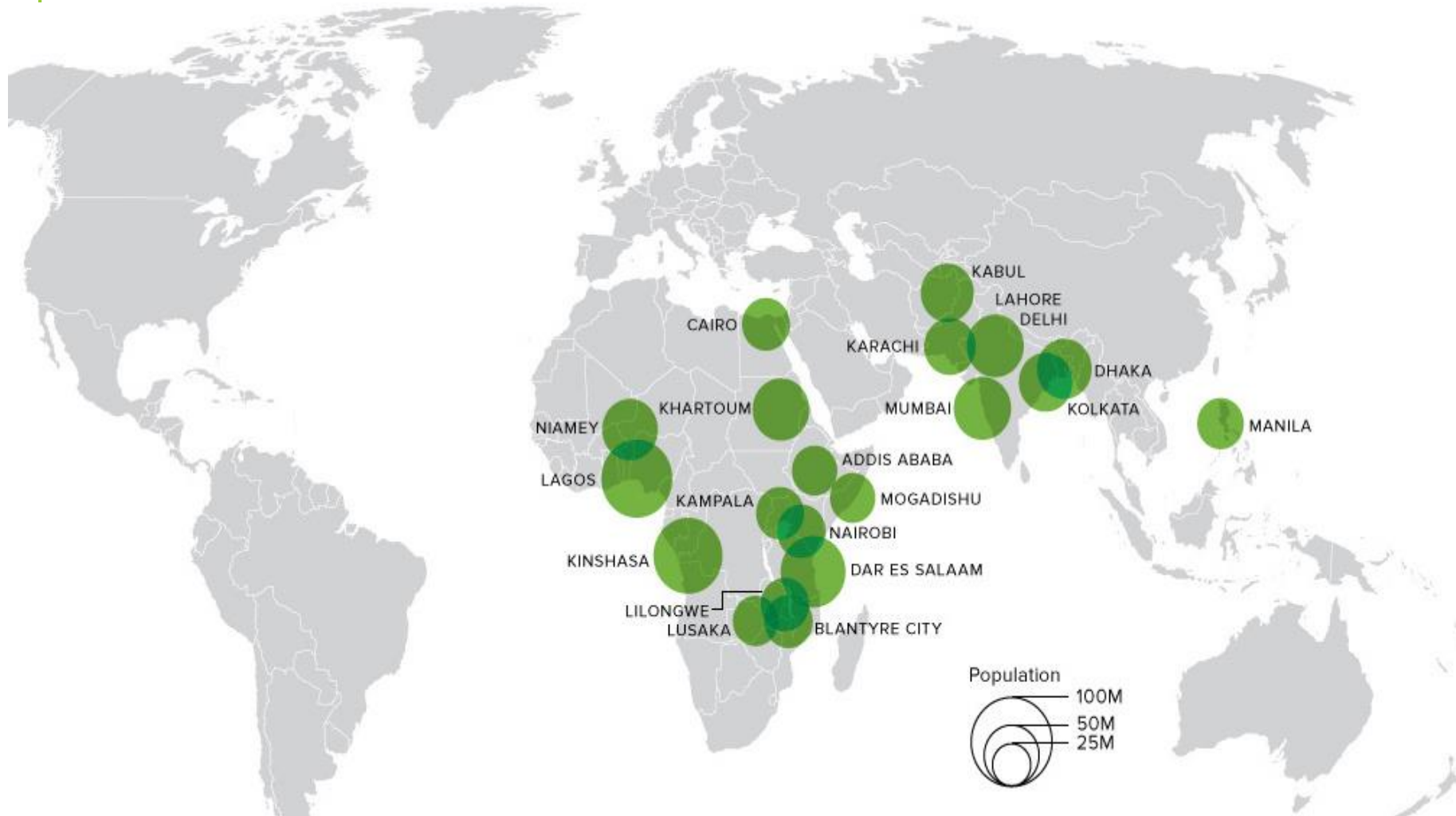
- In 2010, the world's most populous cities are quite evenly distributed around the globe.
 - Practically, each continent has at least 1 of the world's 20 most populous cities!
- In the next 80 years or so, some cities will turn into 'giant' megacities.
 - With an entire population of countries like GE, FR, or the UK.
- The most striking part?
None of these cities will be in the Americas, Europe, or China!

AN 'URBANIZING' WORLD

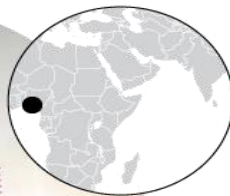
WHAT COULD BE THE POSSIBLE REASONS OF THESE CHANGES?

- Top megacities of the future will be concentrated mostly in Africa, South Asia (India, Pakistan & Bangladesh) and Southeast Asia (the Philippines).
- For example, Lagos, Nigeria, is already 1 of the biggest metropolises in Africa, and 1 of the fastest growing cities in the world.
- Approximately 60% of the urban population living there will be younger than 18 years old.

AN URBANIZING WORLD BY 2100 WORLD MEGACITIES



TOP 3 MEGACITIES OF THE FUTURE



RANK: 1
LAGOS
NIGERIA

2010 Population
10.6M

2100 Population
88.3M

Population Increase (2010-2100)



↑ **736%**



RANK: 2
KINSHASA
DEMOCRATIC REPUBLIC
OF THE CONGO

2010 Population
9.1M

2100 Population
83.5M

Population Increase (2010-2100)



↑ **822%**



RANK: 3
**DAR ES
SALAAM**
TANZANIA

2010 Population
4.4M

2100 Population
73.7M

Population Increase (2010-2100)



↑ **1,588%**



THE WORLD'S FASTEST GROWING CITIES

Specifically, it is in Africa and Asia that the world's fastest growing cities can be found.

Countries, such as China and India, are at the forefront of this rapid development.

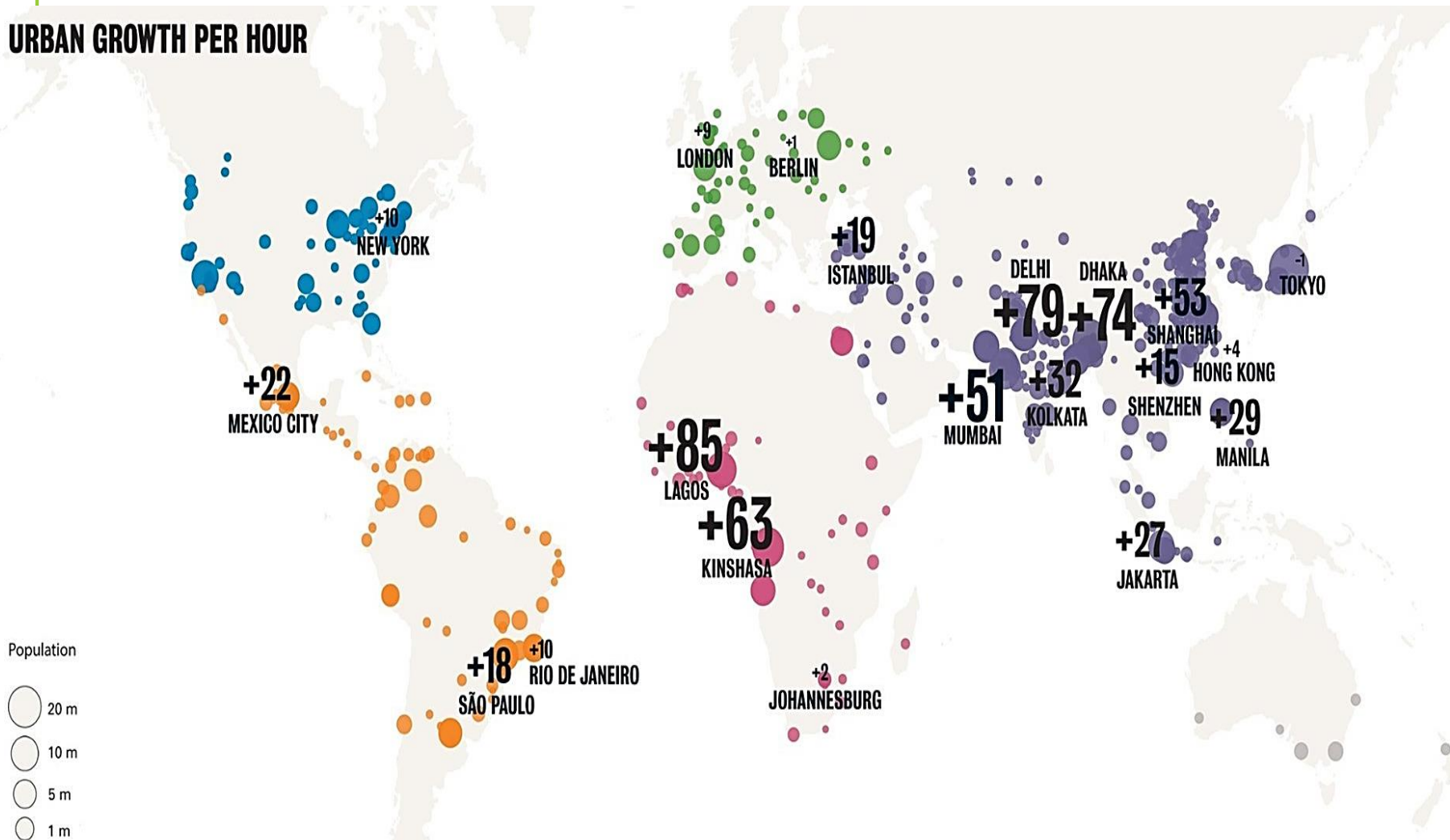
- New citizens are joining Delhi at a rate of 79 people/ hour.
- Shanghai continues to welcome 53 new citizens/ hour.

What caused this increase of urban population?

- Great economic opportunity that is driving people from their farms to the newest urban centers.
- → **Rural to urban migration**

THE WORLD'S FASTEST GROWING CITIES

URBAN GROWTH PER HOUR



THE WORLD'S FASTEST GROWING CITIES

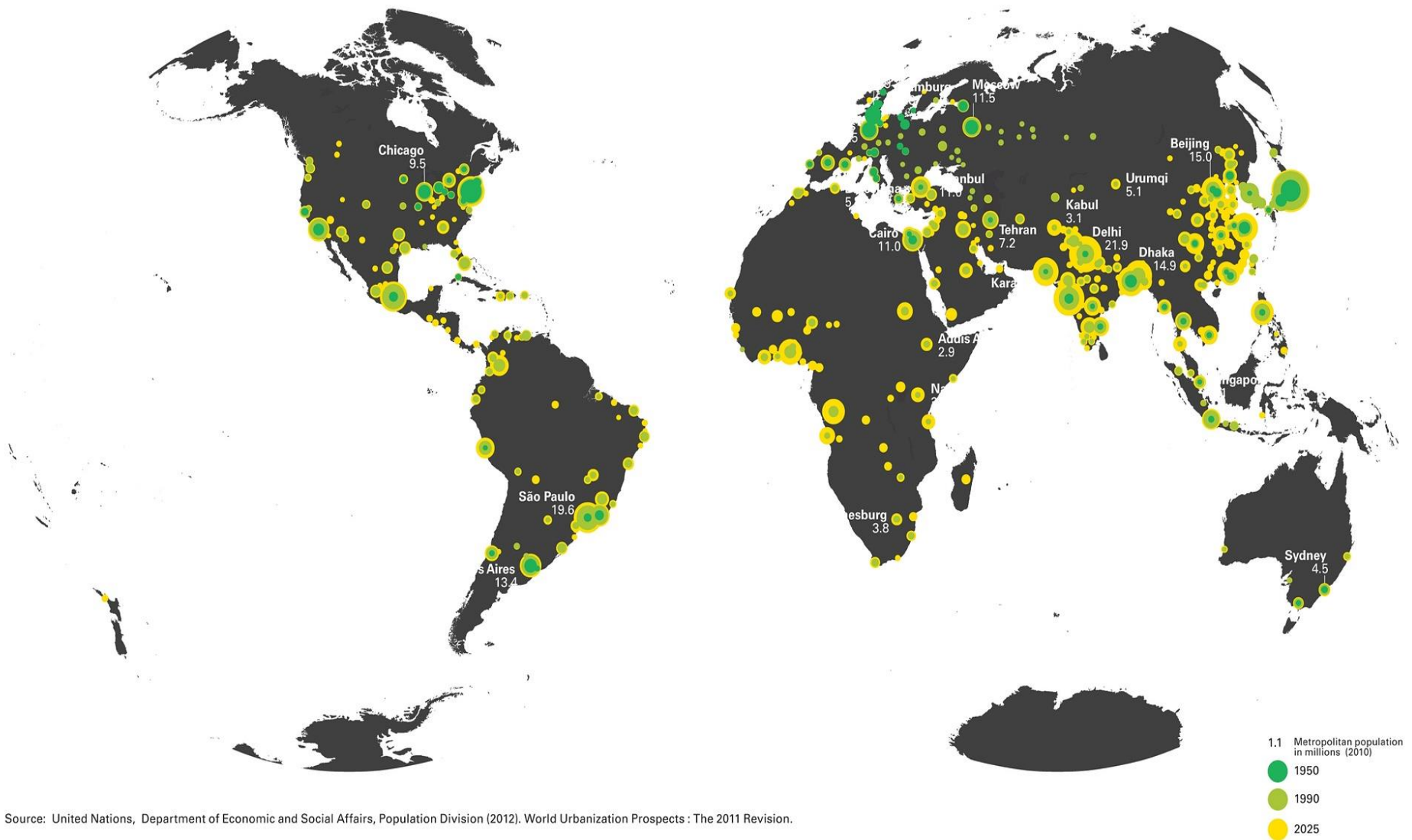
In 1960, Johannesburg was the only city in sub-Saharan Africa to have more than 1 million people.

50 years later, there are 33 cities with more than 1 million in Africa.

Where is the world's fastest growing megacity?

- Nigeria's Lagos, known as the “**Big Apple of Africa.**”
 - In the 1970s, it had a measly 2 million people.
 - Today, with a growth rate of 85 new Lagosians per hour, it boasts 16 million people!

THE WORLD'S FASTEST GROWING CITIES



AN 'URBANIZING' WORLD

WHAT COULD BE THE POSSIBLE REASONS OF THESE CHANGES?

Lagos, Nigeria, is already 1 of the biggest metropolises in Africa, and 1 of the fastest growing cities in the world.



LAGOS, NIGERIA

A COASTAL TRADING HUB & THE WORLD'S 6TH-BIGGEST OIL EXPORTER.

