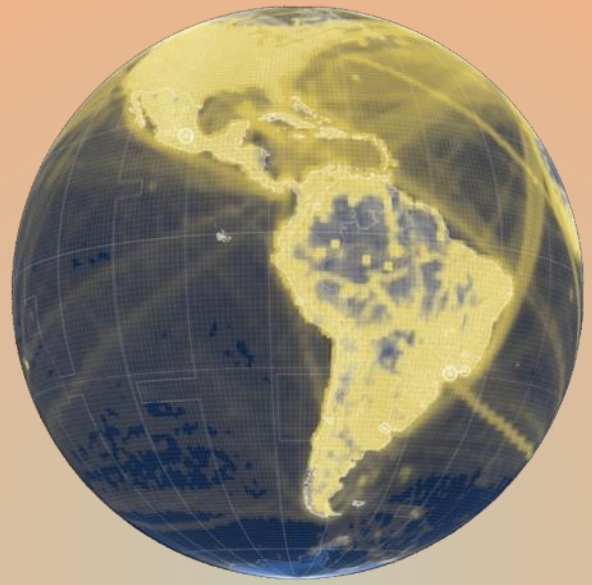


LATIN AMERICA IN TRANSITION

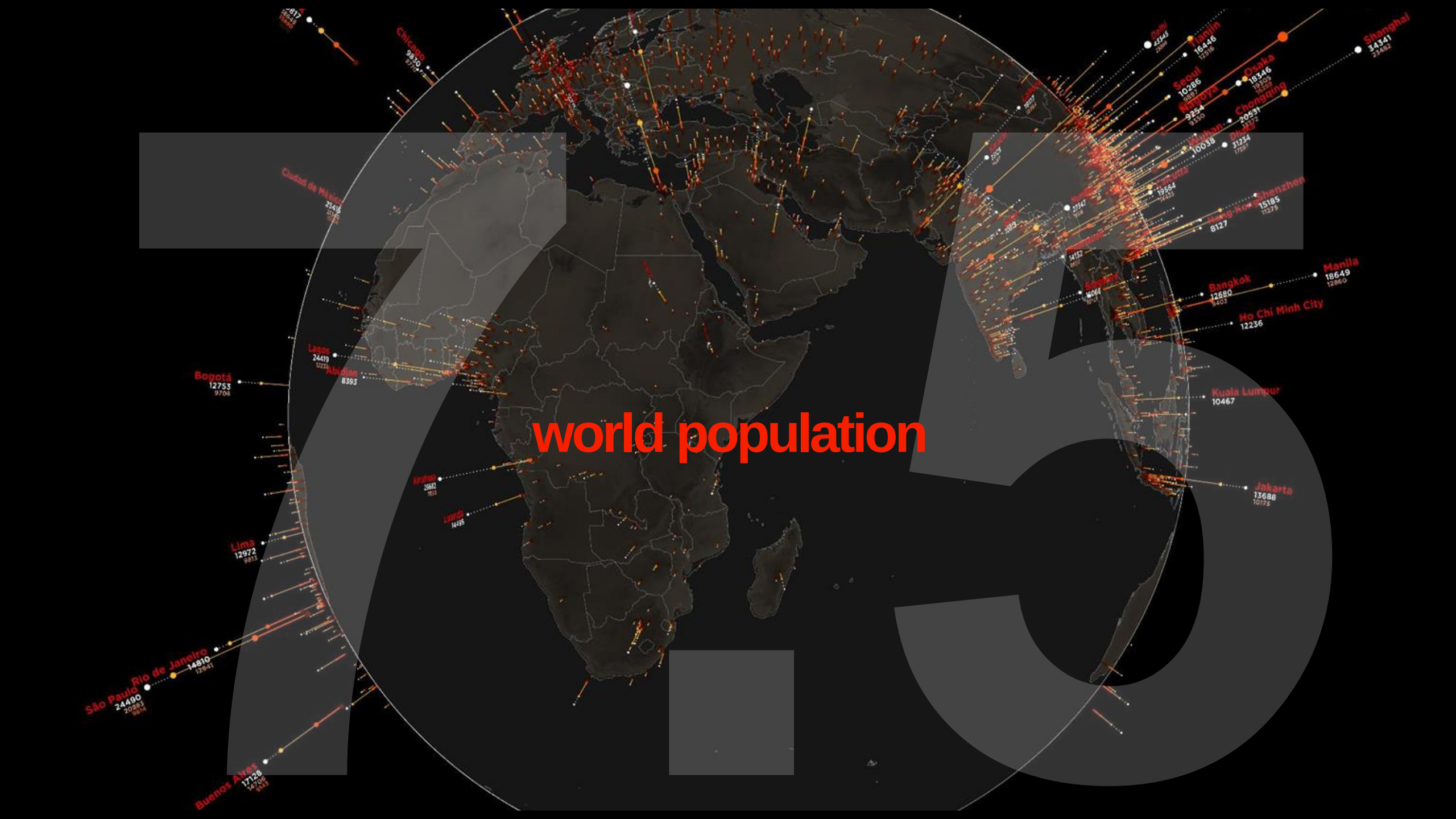
Facing Climatic Challenges

3

UNEVEN GROWTH
unprecedented urbanization scale & increased inequality

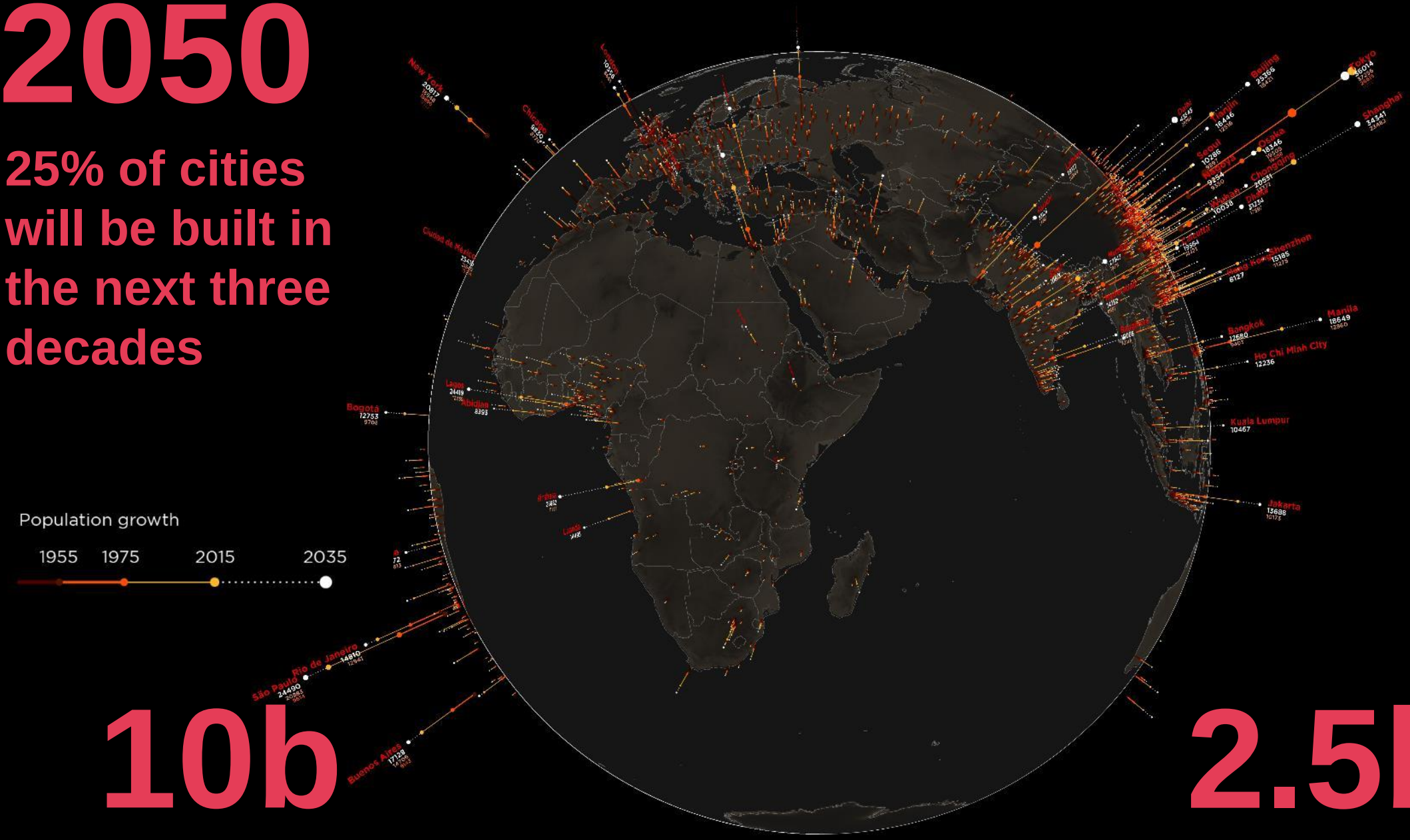
MIGRATION
Intensified vulnerable intraregional migration

CLIMATE
climatic transformation in a context of unjust transition


world population
7.5

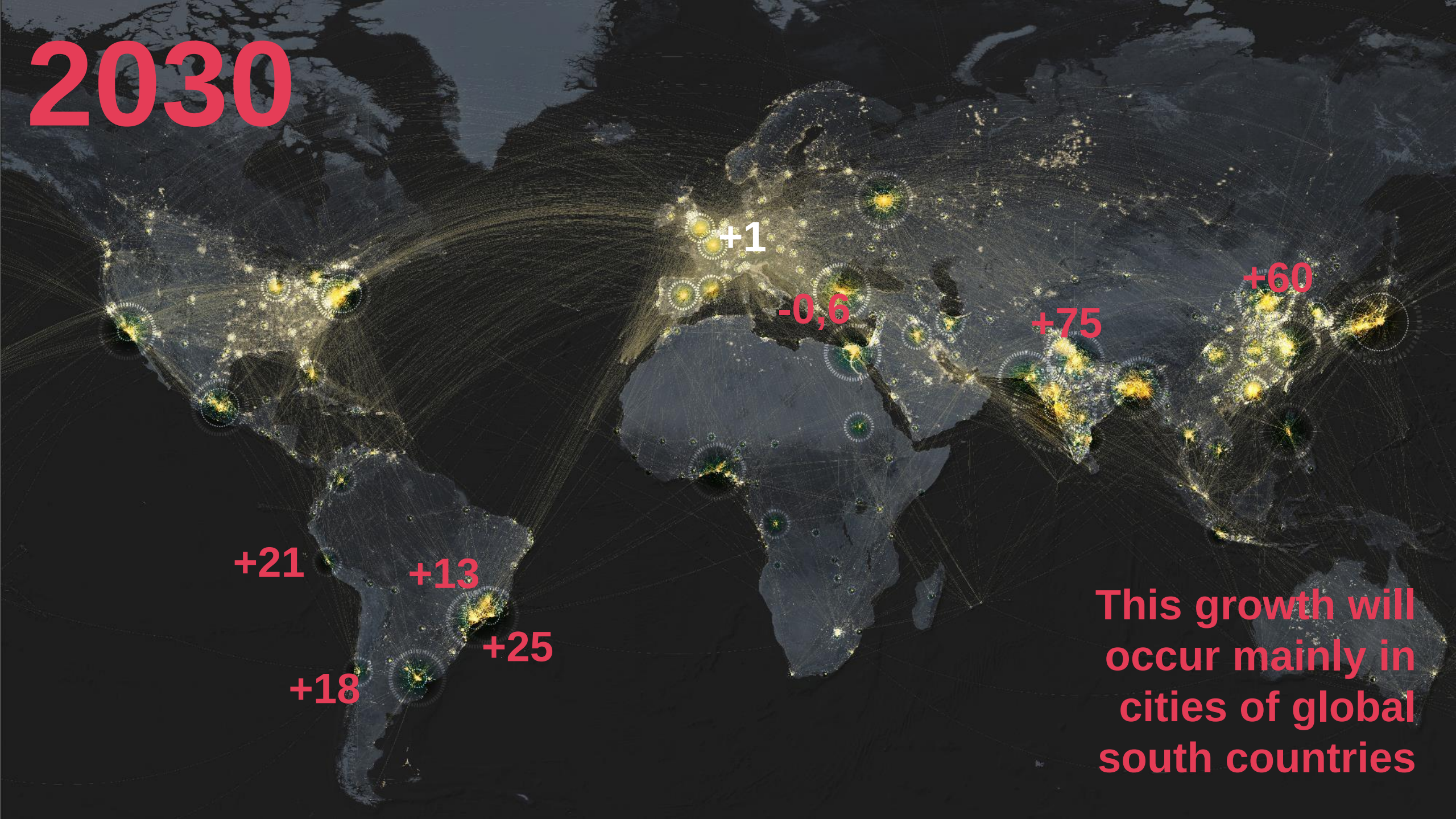
2050

25% of cities will be built in the next three decades

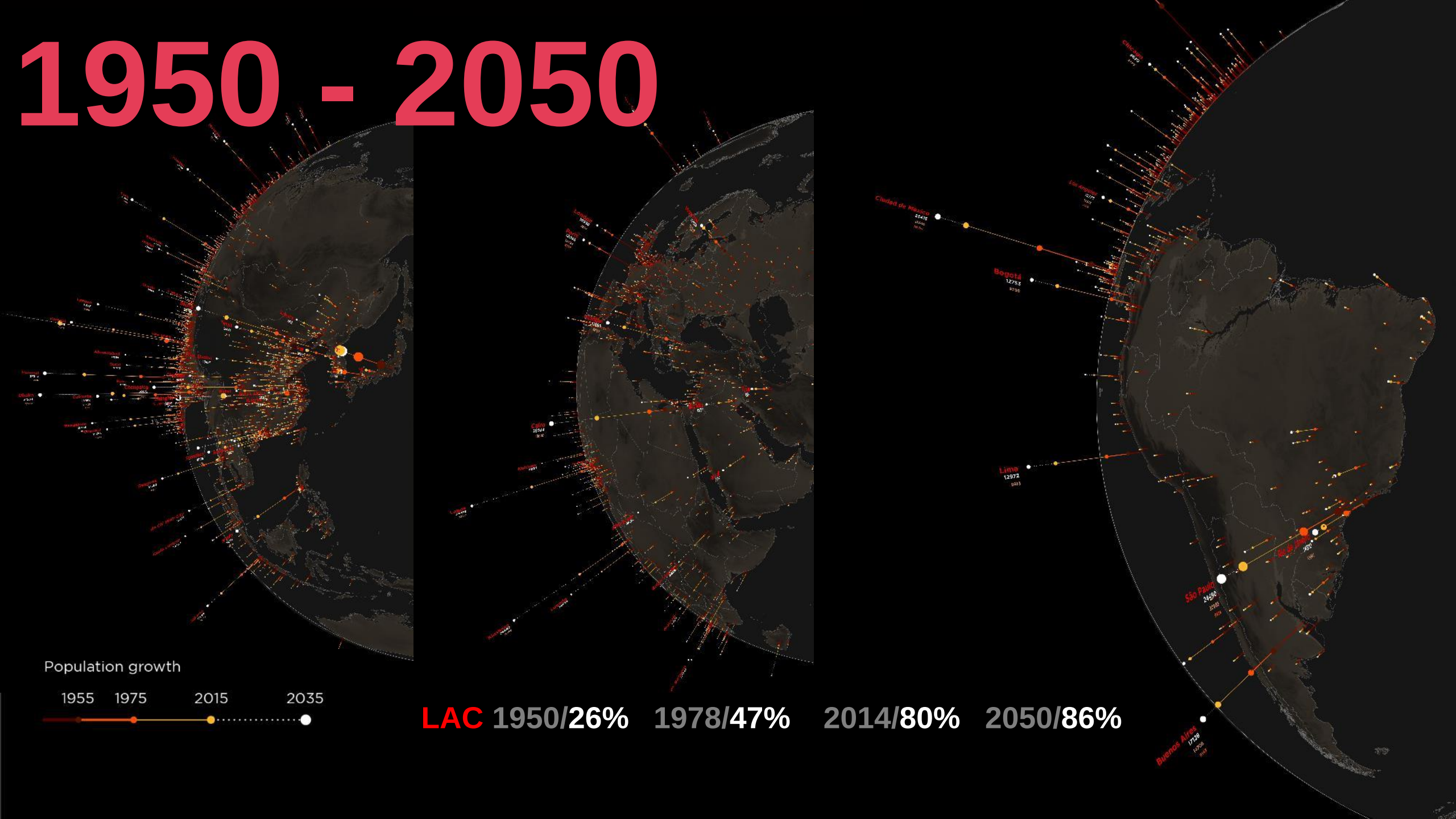


10b

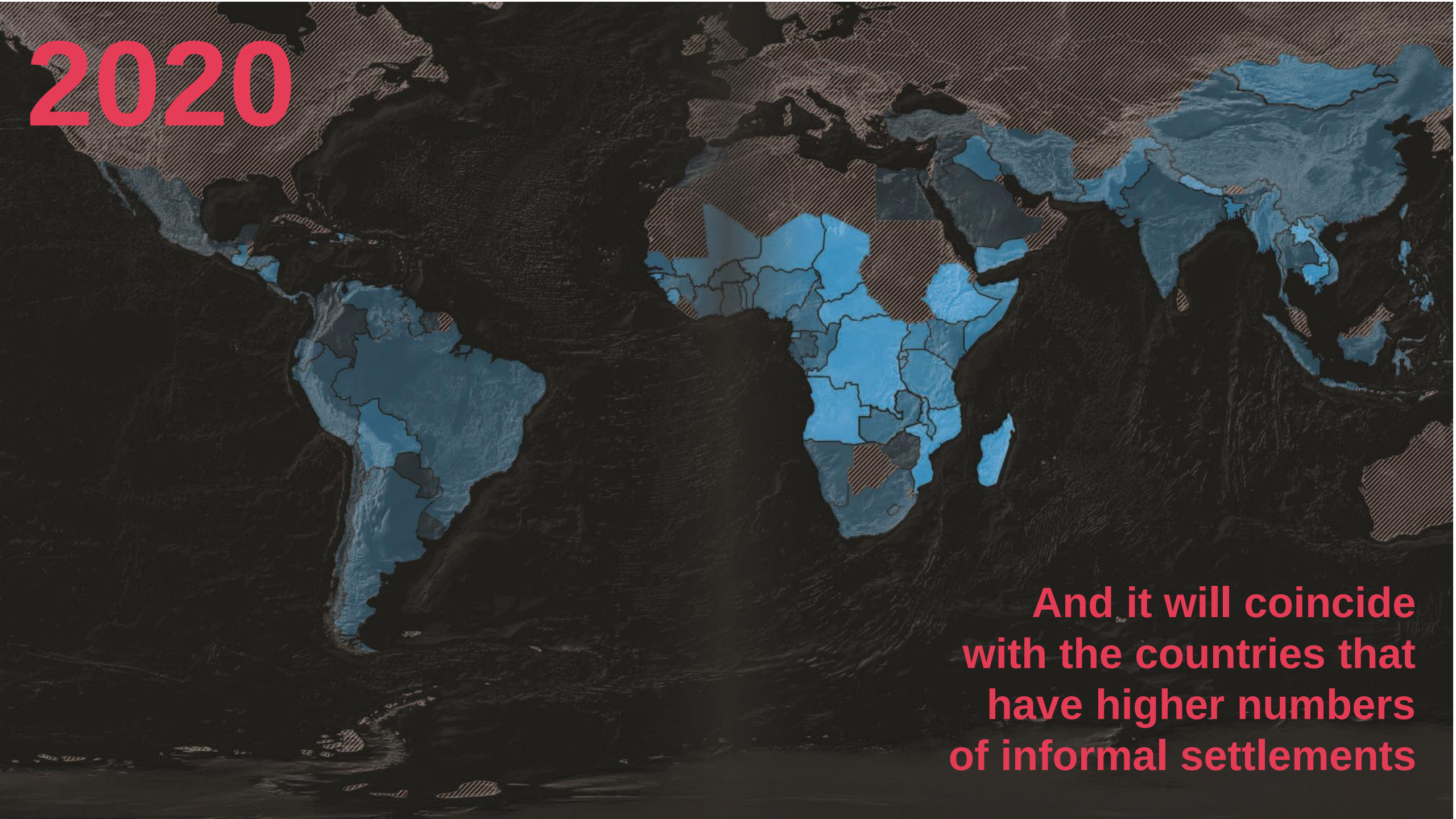
2.5b+


2030
+1
-0,6
+75
+60
+21
+13
+25
+18
This growth will occur mainly in cities of global south countries

1950 - 2050



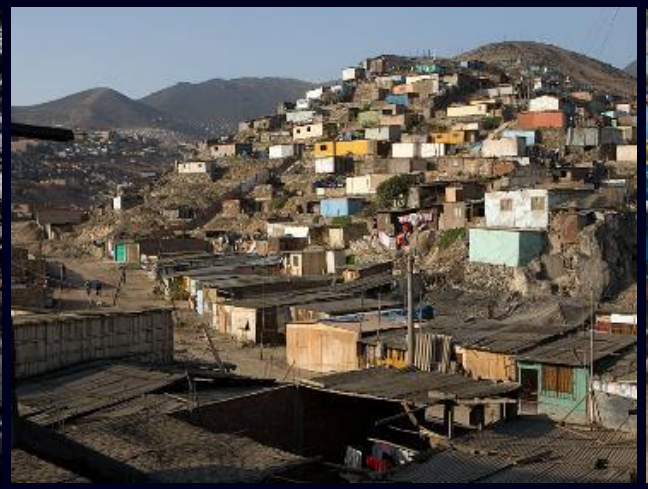
LAC 1950/**26%** 1978/**47%** 2014/**80%** 2050/**86%**


2020
And it will coincide with the countries that have higher numbers of informal settlements

2020

1 in 3 families in the world lives in informal settlements

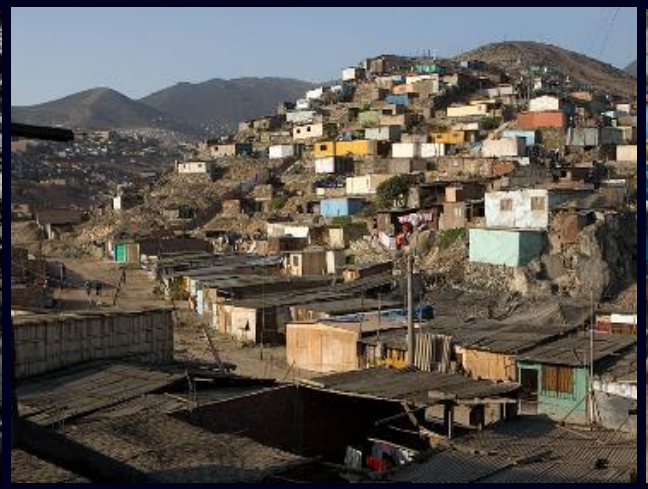
30%



2020

1 in 5 families in LAC lives in informal settlements

1/5



17,500

people per day move from the formal city to an informal settlement

Worldwide migration has intensified

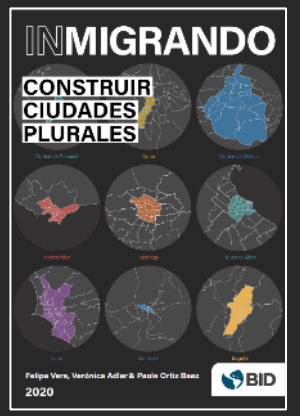
1000

million

migrate

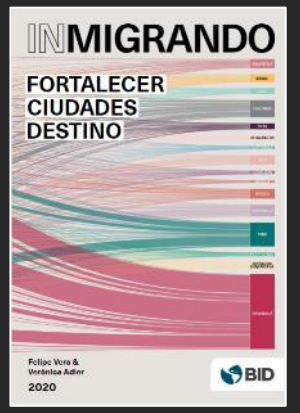
https://publications.iadb.org/publications/spanish/document/Inmigrando_Fortalecer_ciudades_destino_Tomo_1.pdf

2020

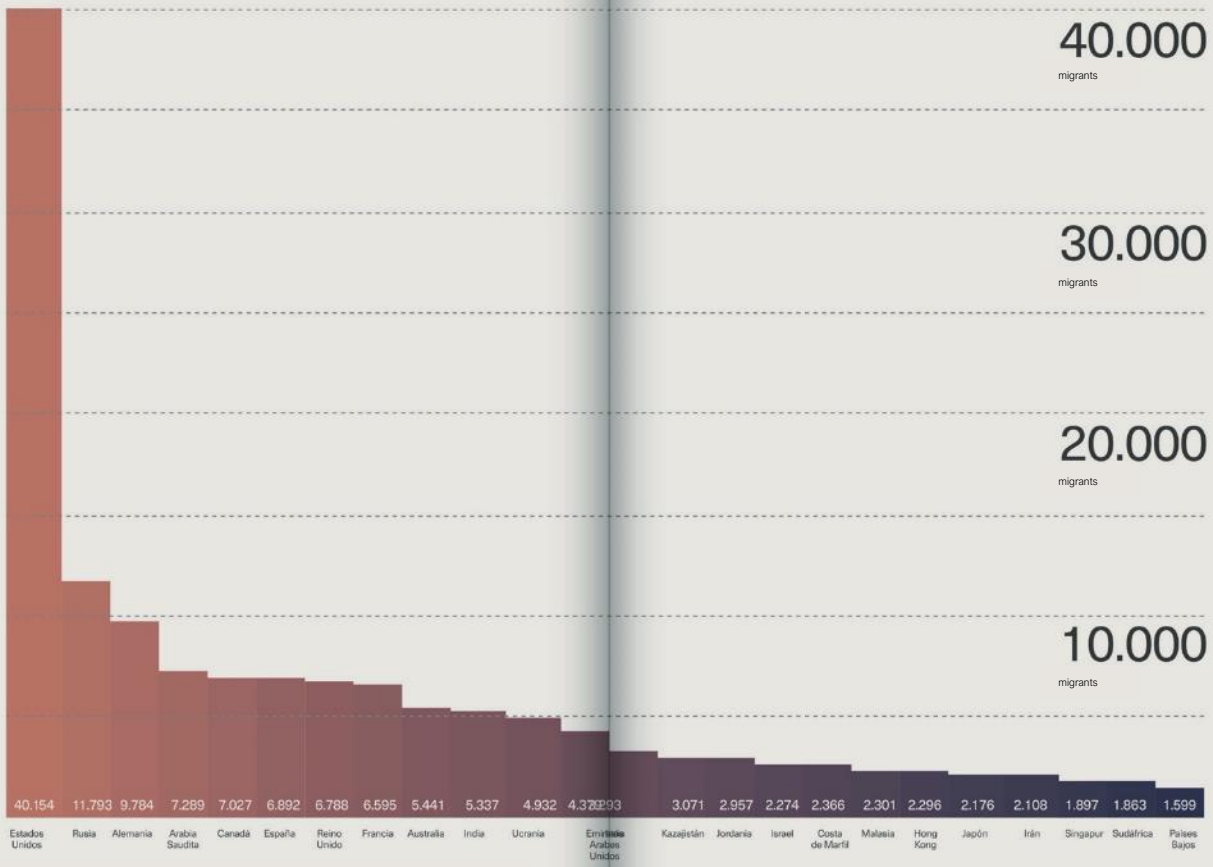


https://publications.iadb.org/publications/spanish/document/Inmigrando-Construir-ciudades-plurales-Tomo-2.pdf

2020




250
international migrants



Destination of international migration: main countries in thousands of migrants (2010)

2050

350

millllion

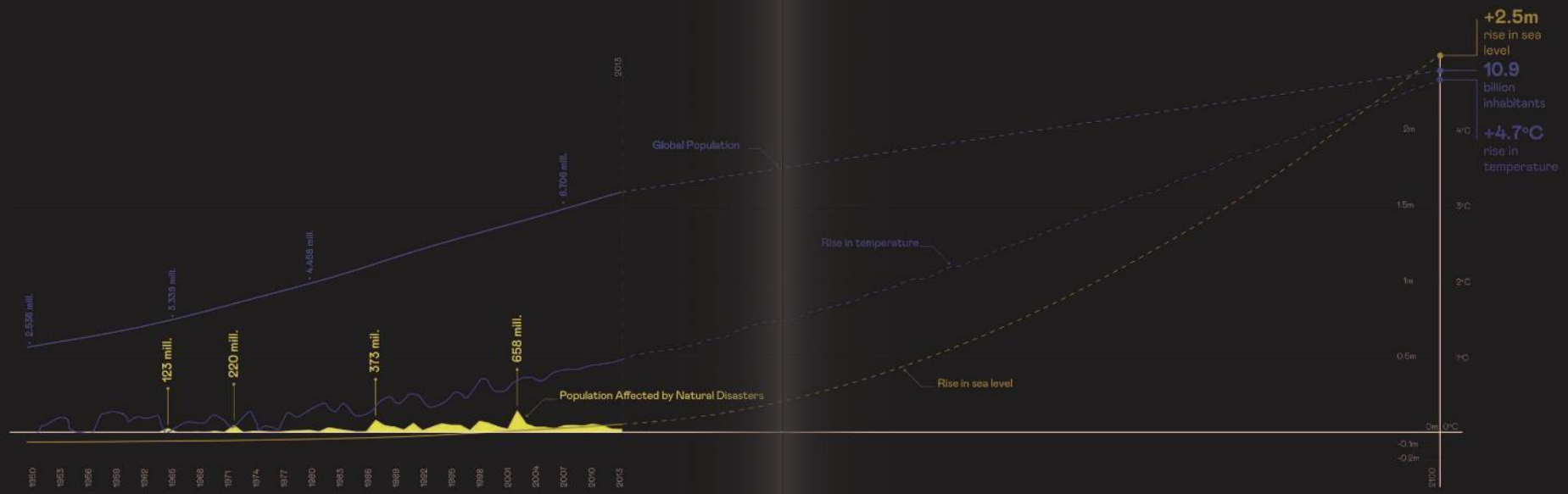
migrants


100
immigration
additional migrants
emigration

200

million

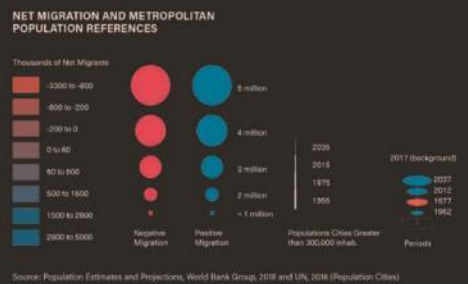
In 2020, 42 million people were displaced due to environmental causes; they account for 10% of global migration. It is estimated that by 2050, this figure will increase to 200 million, 60% of all migration.



1950
Historical Chronology 1950-2013

2100
*predictions of high emissions (RCP 8.5)

Every second, a new migrant is forced into displacement due to natural disasters or environmental crises.



Source: Population Estimates and Projections, World Bank Group, 2018 and UN, 2018 (Population Cities)

PAST

PRESENT

FUTURE

Eradicate

The problem is conceptualized as illegality

Improve

The problem is conceptualized as precariousness

Integrate

The problem is conceptualized as exclusion

Adapt

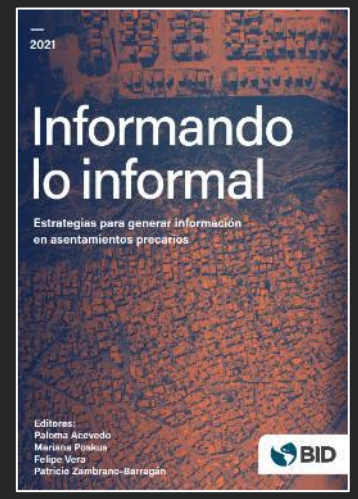
The problem will be the environment

1

2

3

4

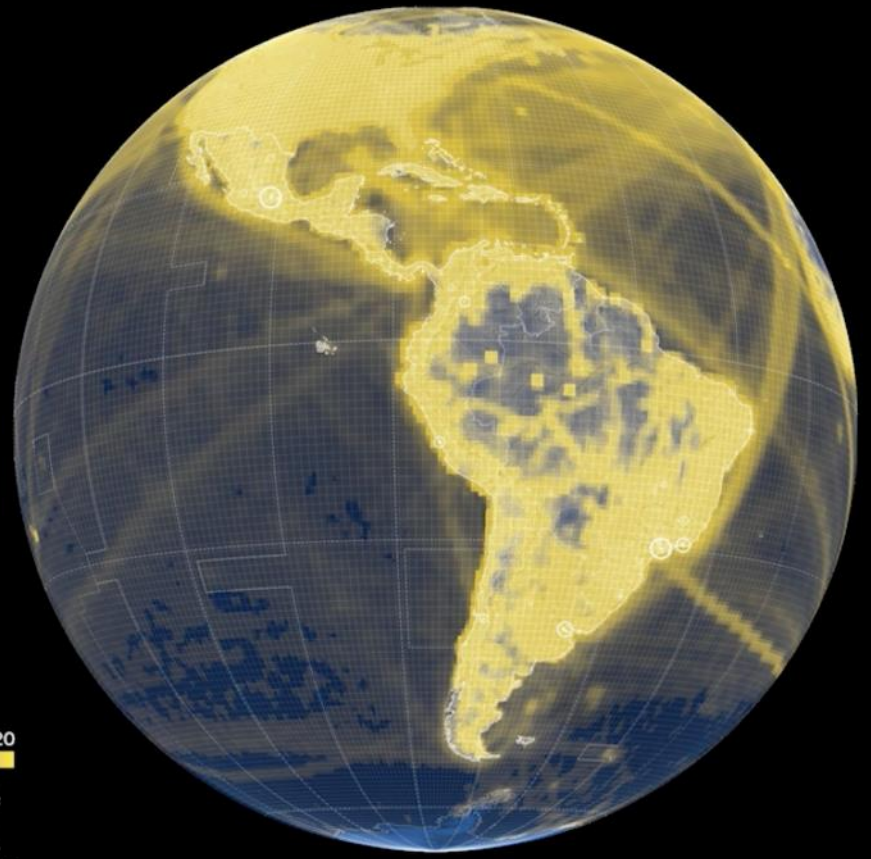


2022

Cities are centers of prosperity, wealth and innovation, and the main responsible for the climate crisis and those affected by its consequences

2022

CO2 emissions



https://publications.iadb.org/es/diseno-ecologico-estrategias-para-la-ciudad-vulnerable-adaptando-las-areas-precarias-de-america

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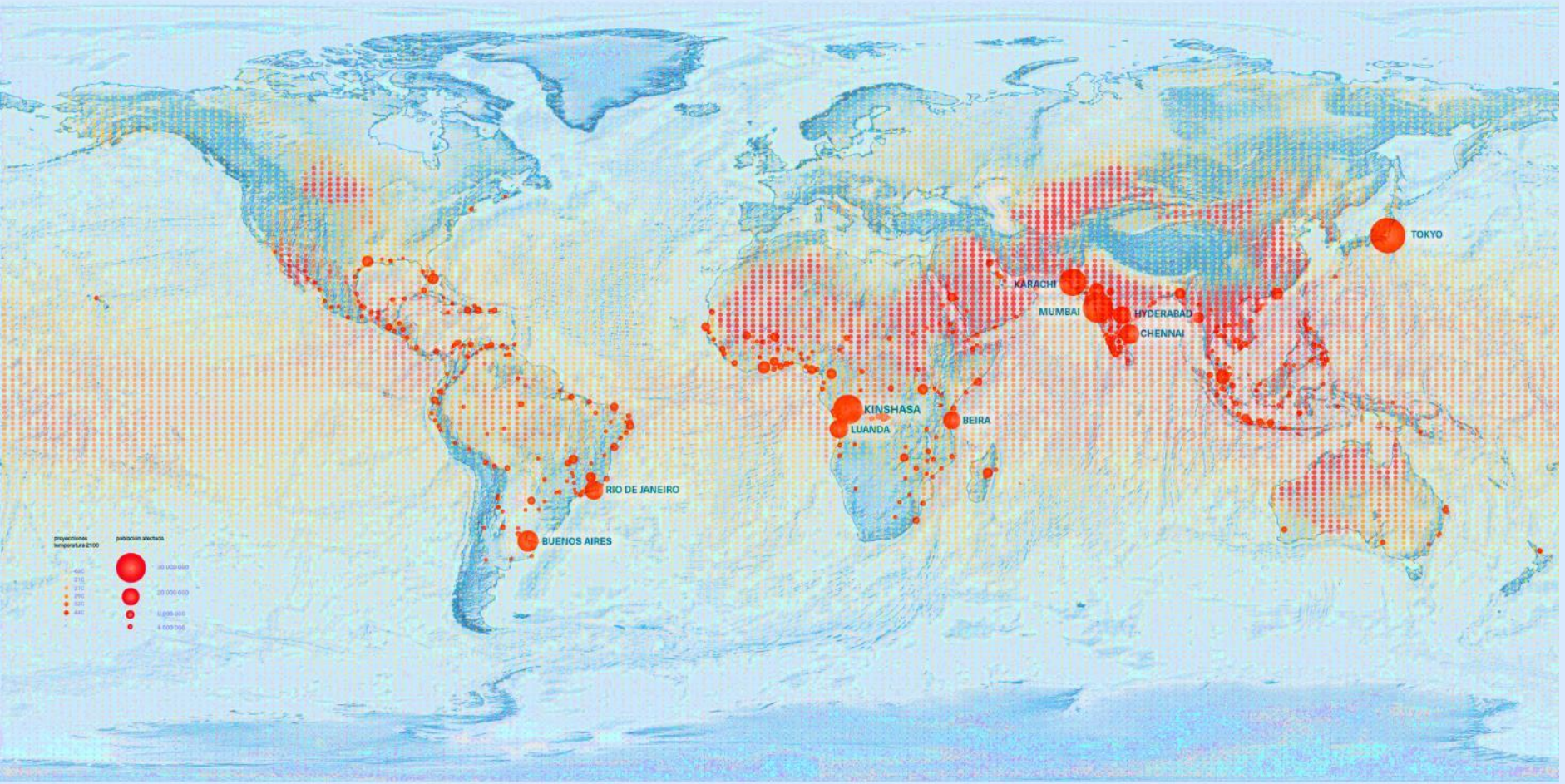

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Jeannette Sordi

2003

Olafur Eliasson – *The Weather Project*, 2003, monofrequency lights, projection foil, haze machines, mirror foil, aluminium, and scaffolding, 26.7 x 22.3 x 155.4m, Turbine Hall, Tate Modern, London

Resisting
Preserving

MITIGATION

Modulating
change

ADAPTATION

3 out of 5

Approximately three out of five cities in the world with at least 500,000 inhabitants are at high risk of suffering a natural disaster

Projections predict that climate change will increase risks to people, resources, economies and ecosystems.

1900

sea temperature

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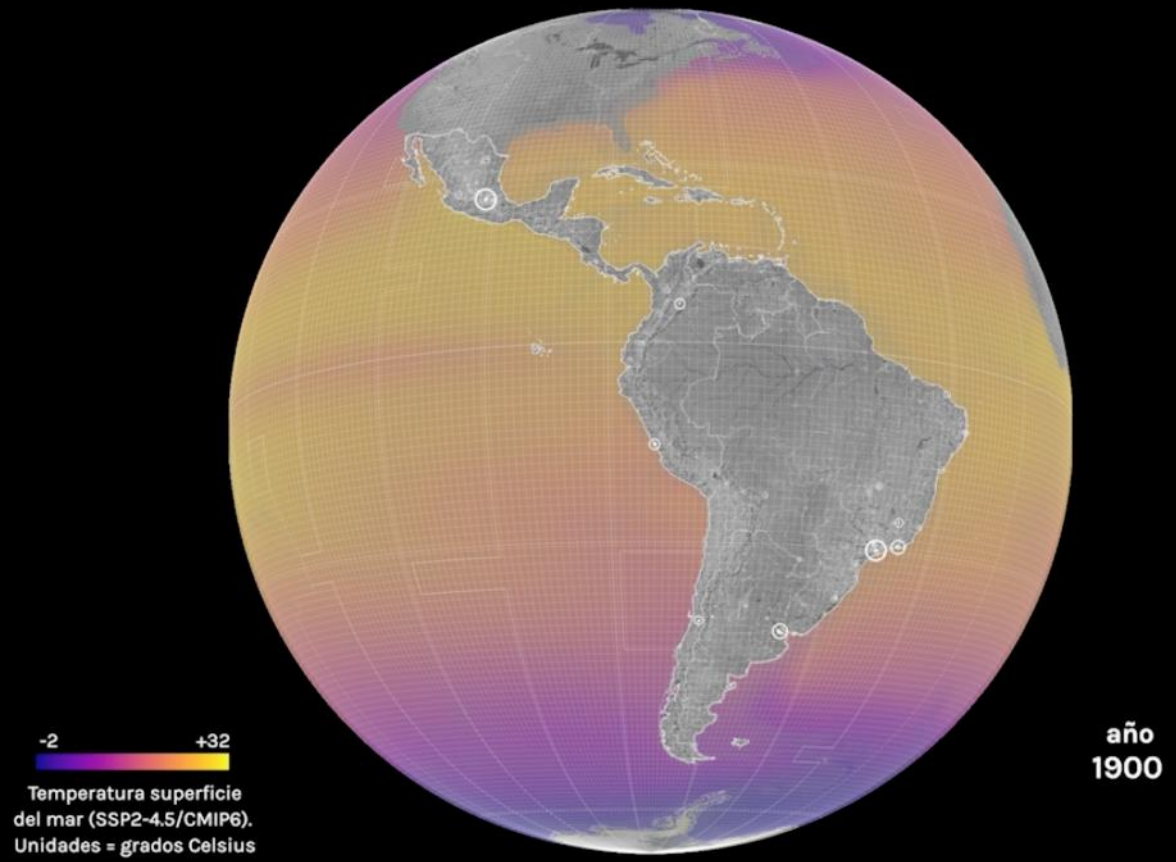

1973

sea temperature

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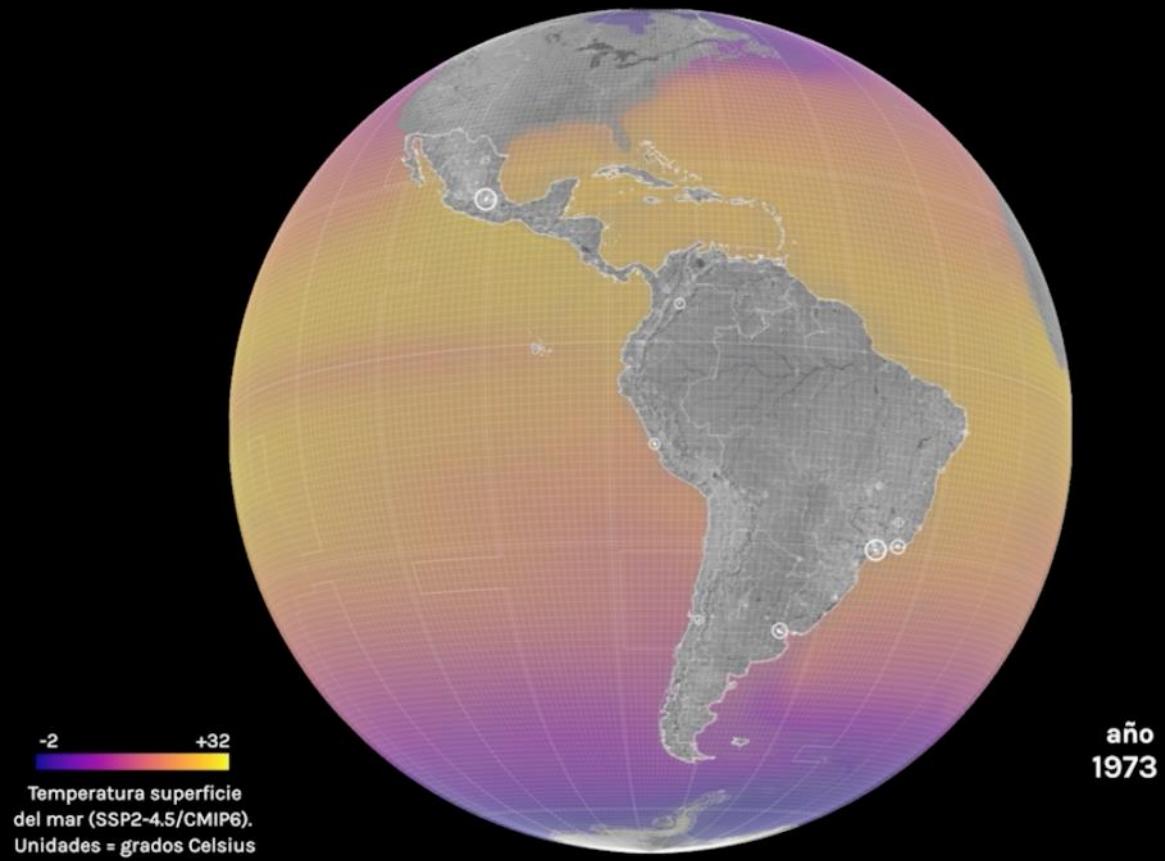

2100

sea temperature

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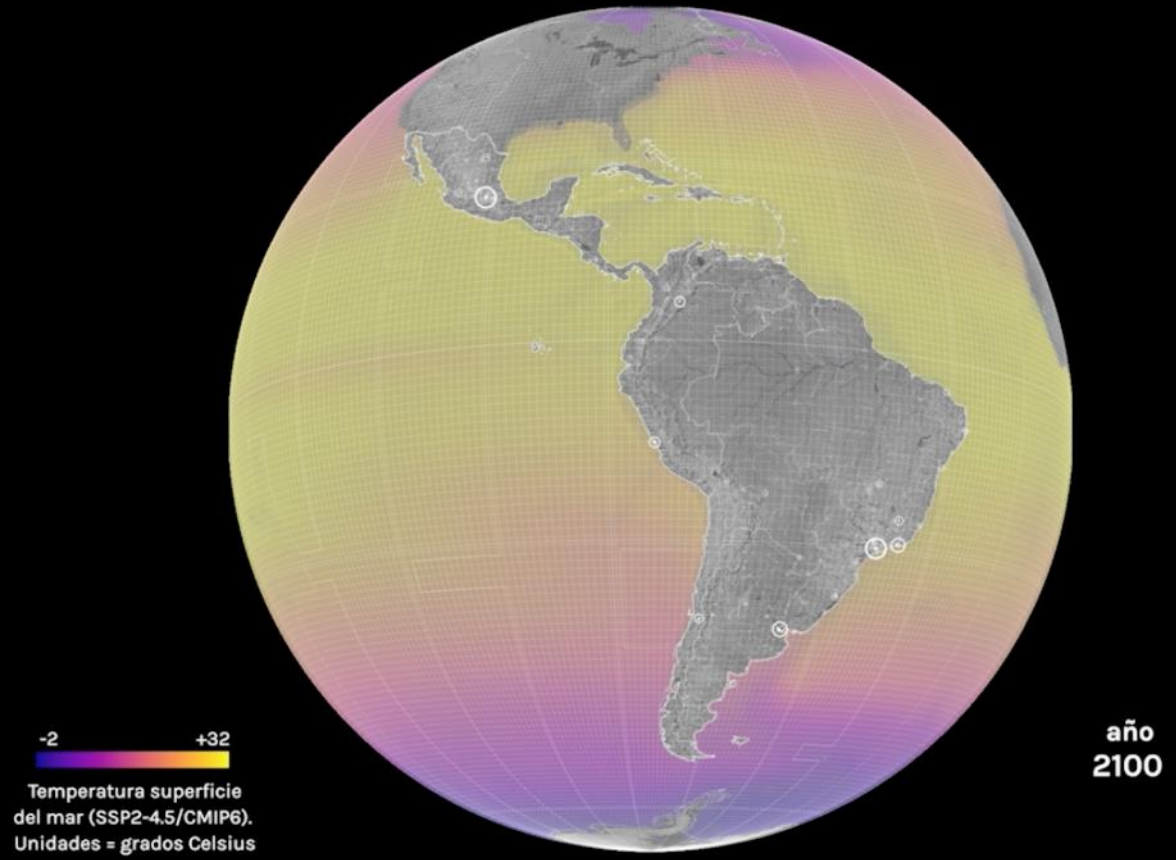

1900

heatwaves

https://publications.iadb.org/es/diseno-ecologico-estrategias-para-la-ciudad-vulnerable-adaptando-las-areas-precarias-de-america

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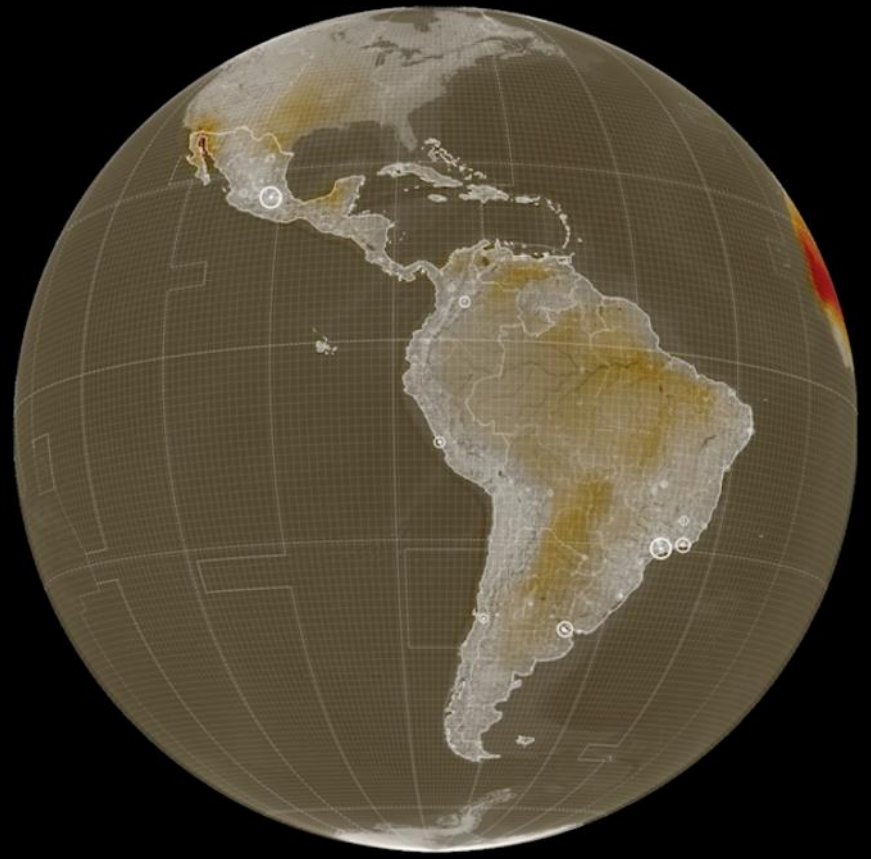

2144

heatwaves

https://publications.iadb.org/es/diseno-ecologico-estrategias-para-la-ciudad-vulnerable-adaptando-las-areas-precarias-de-america

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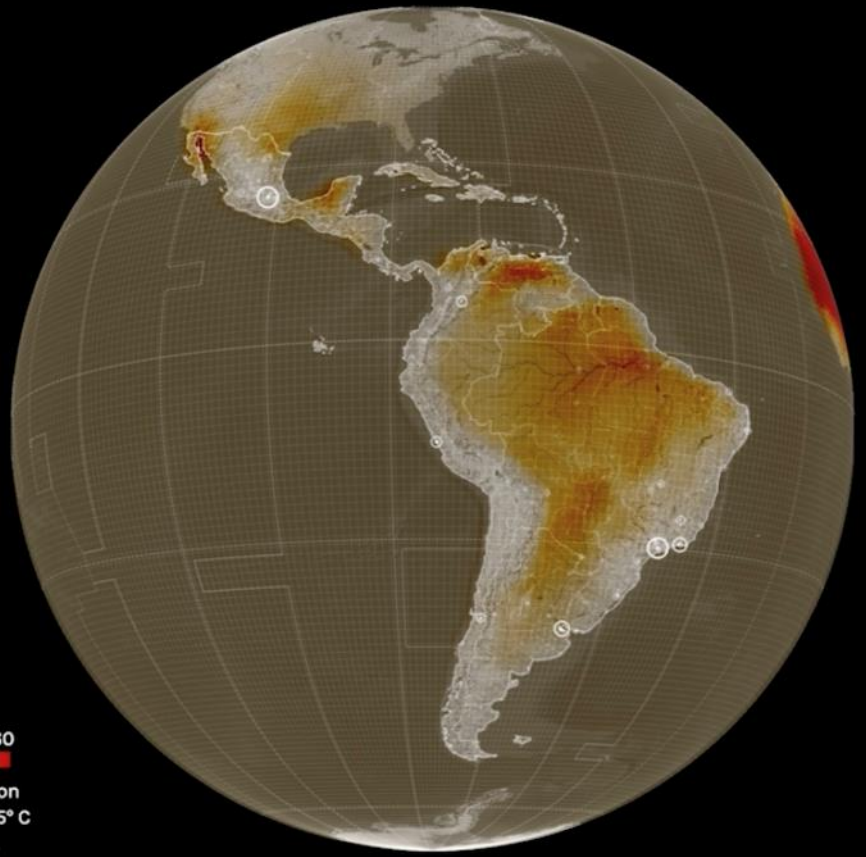

2100

heatwaves

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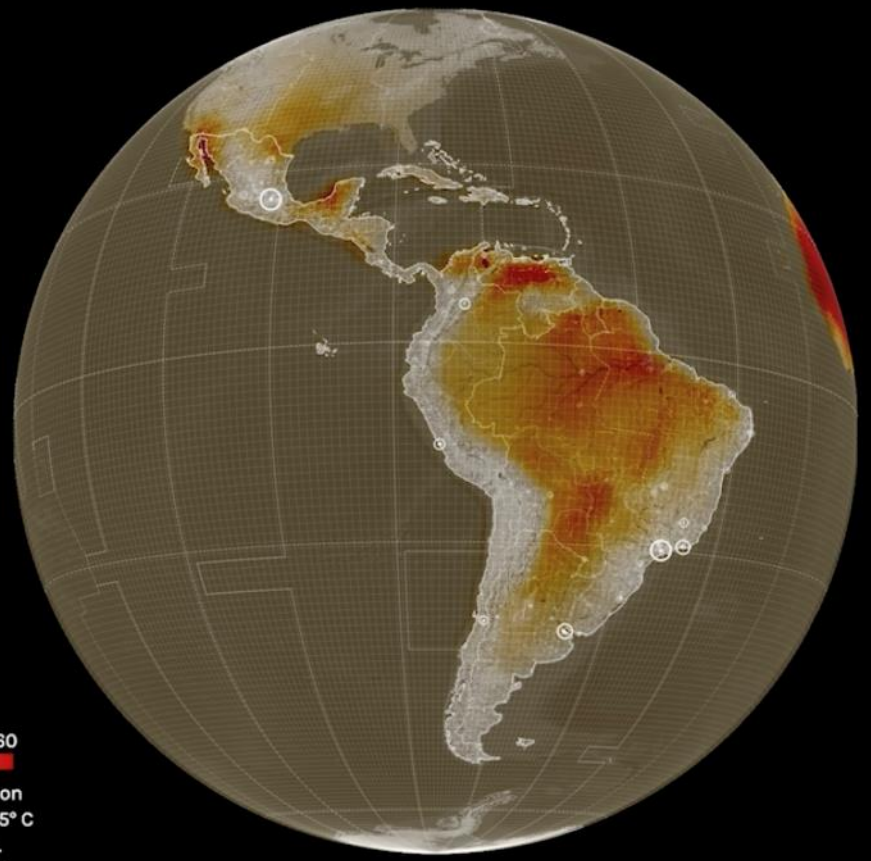

heatwaves

1.6 Billion

2050 projections estimate that approximately 1.6 billion people will face conditions of sustained extreme heat; of which 215 million will live in poverty

2022

sea level rise

https://publications.iadb.org/es/diseno-ecologico-estrategias-para-la-ciudad-vulnerable-adaptando-las-areas-precarias-de-america

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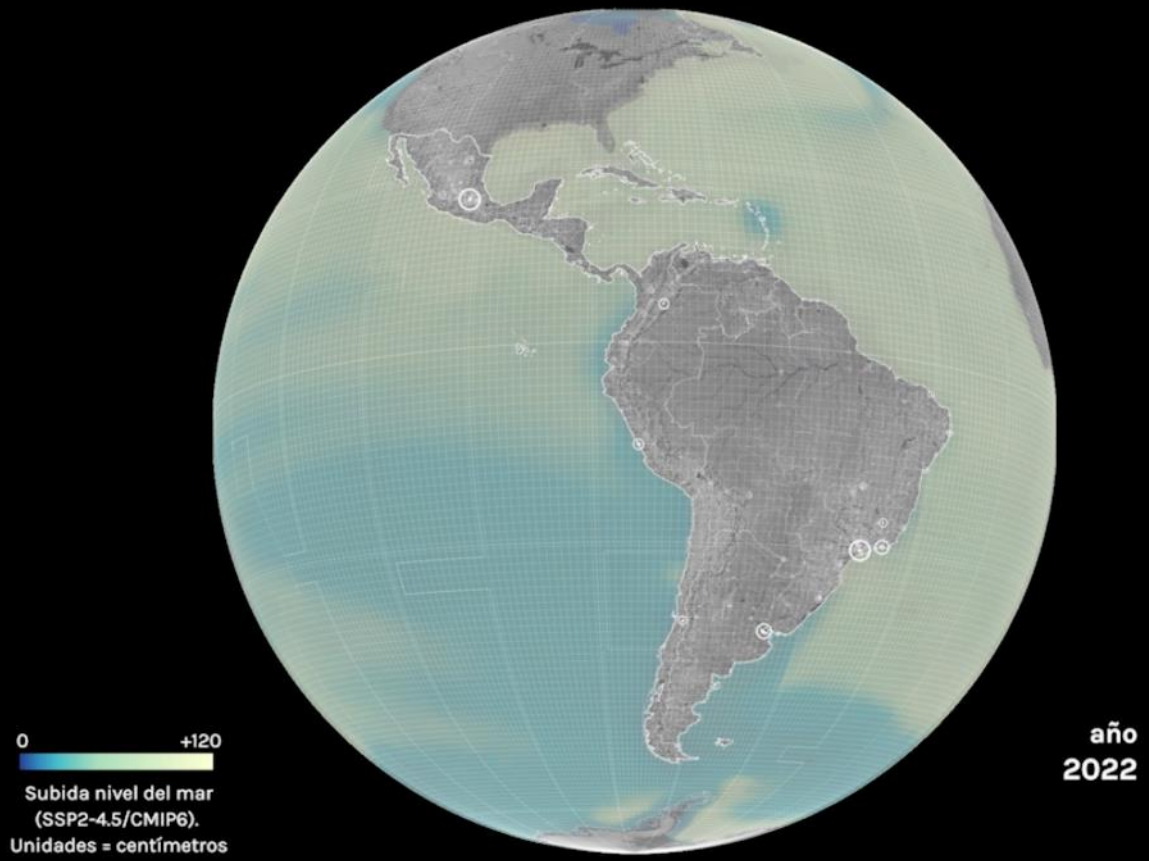
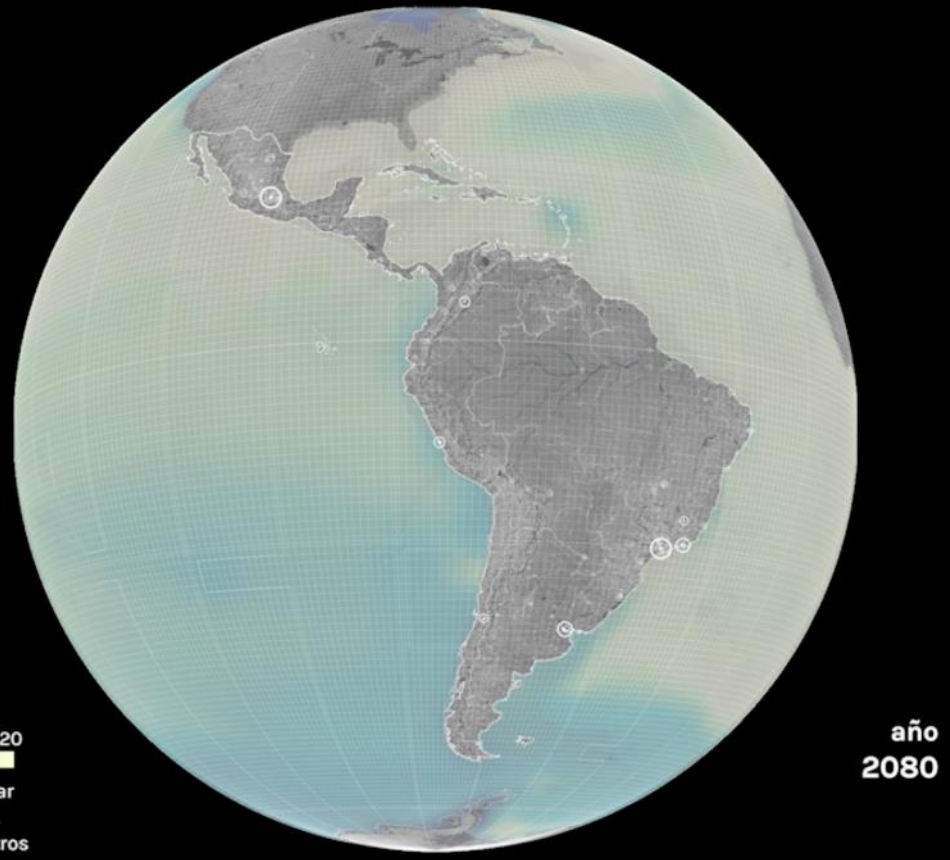


2080

All these risks will grow with the effects of climate change

sea level rise



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1900

extreme rainfall

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2021

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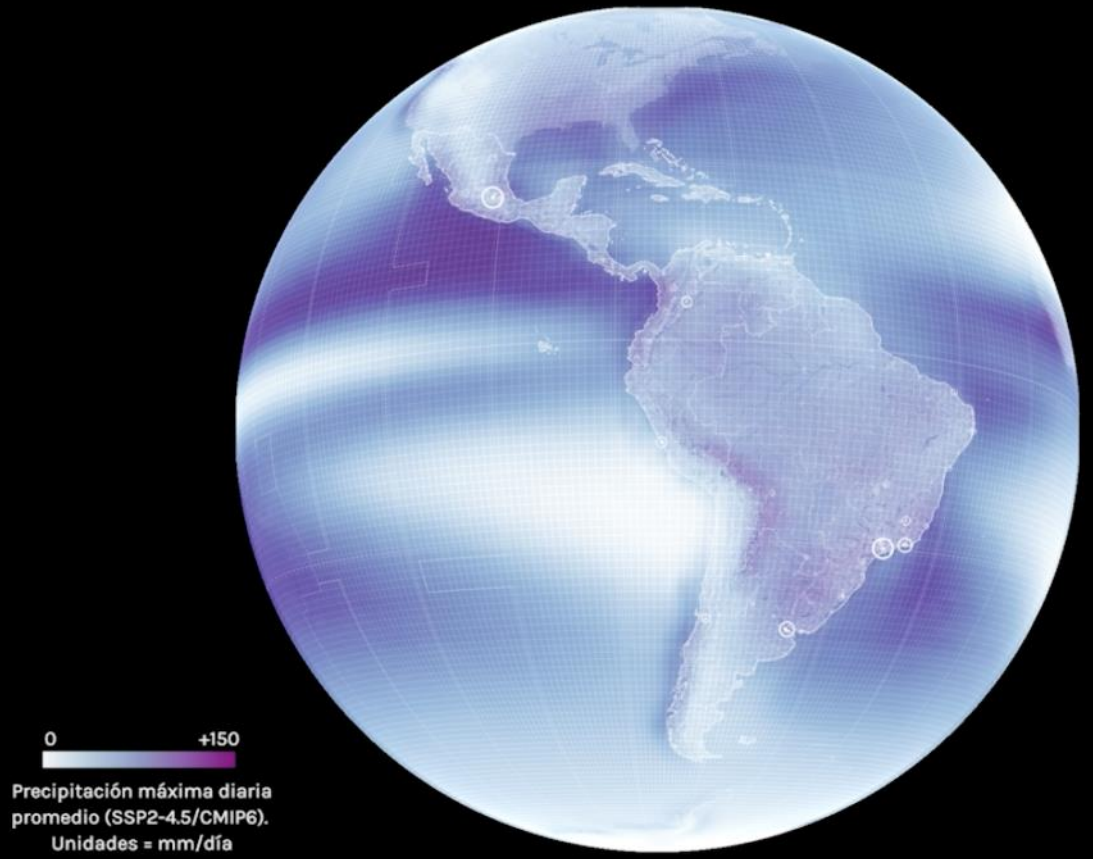
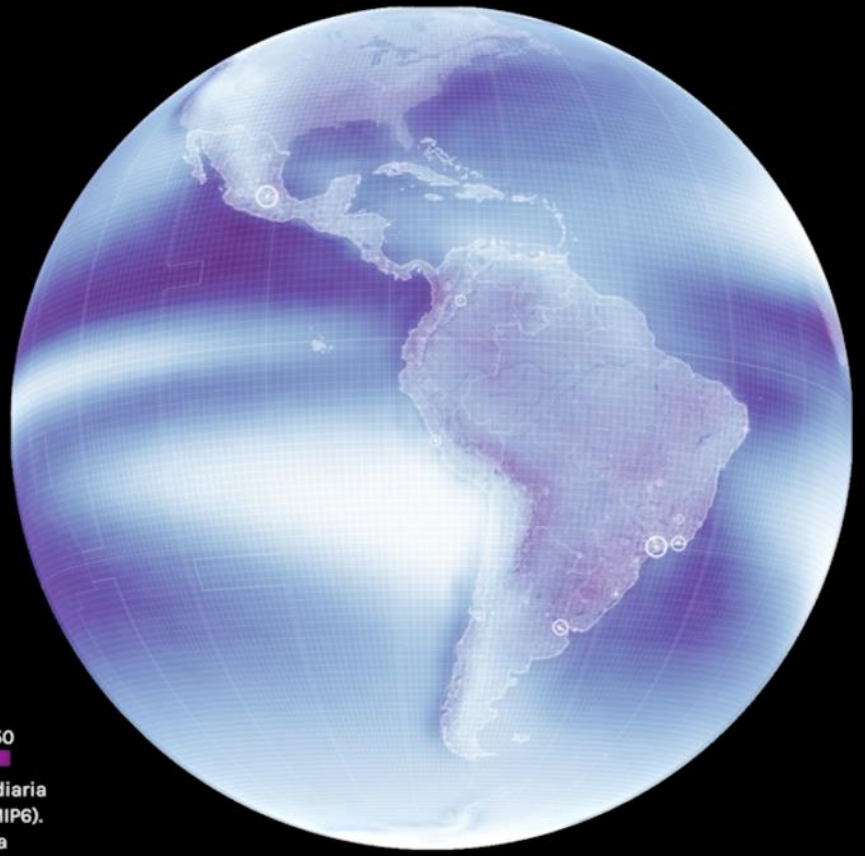


2022

extreme rainfall



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2100

extreme rainfall

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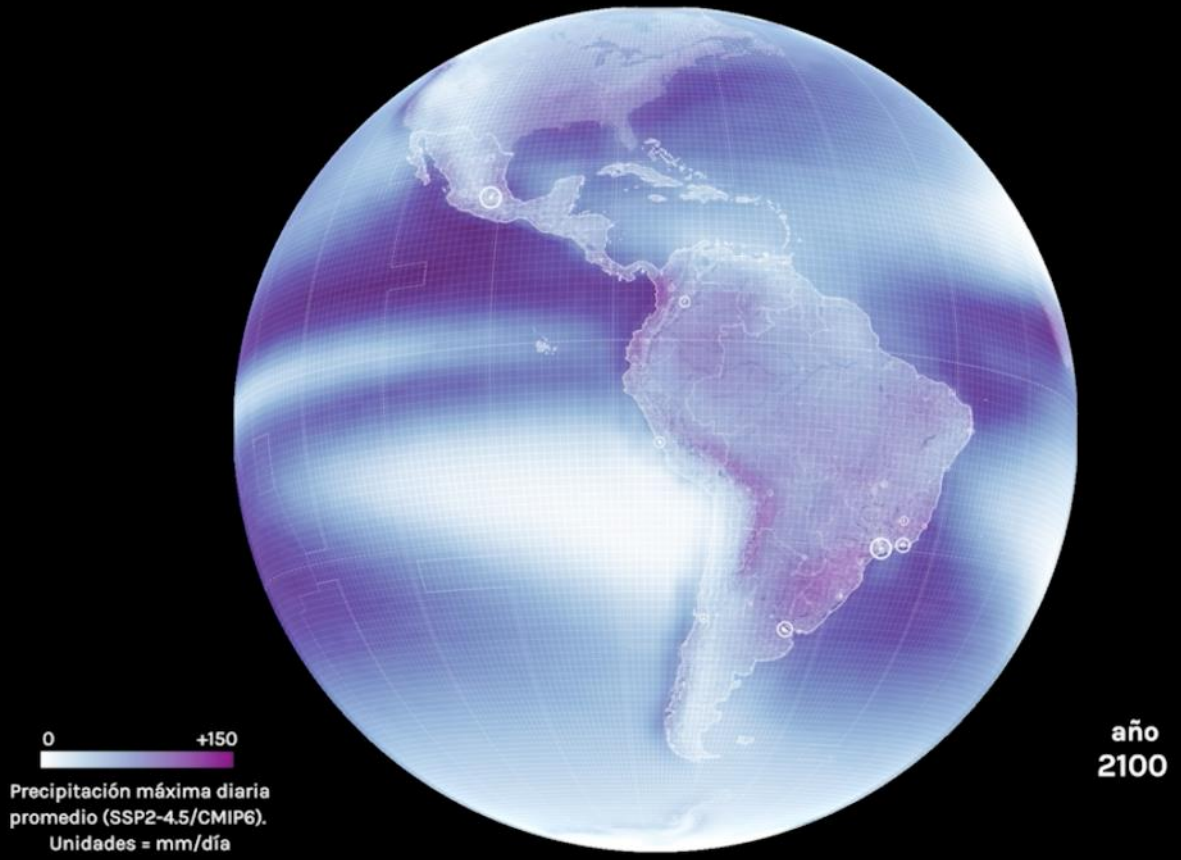

extreme rainfall

9.3M / 5.4M

Weather-related disasters are triggering the vast majority of new displacements, storms account for 9.3M displacements and floods 5.4M.

1900

continuous droughts

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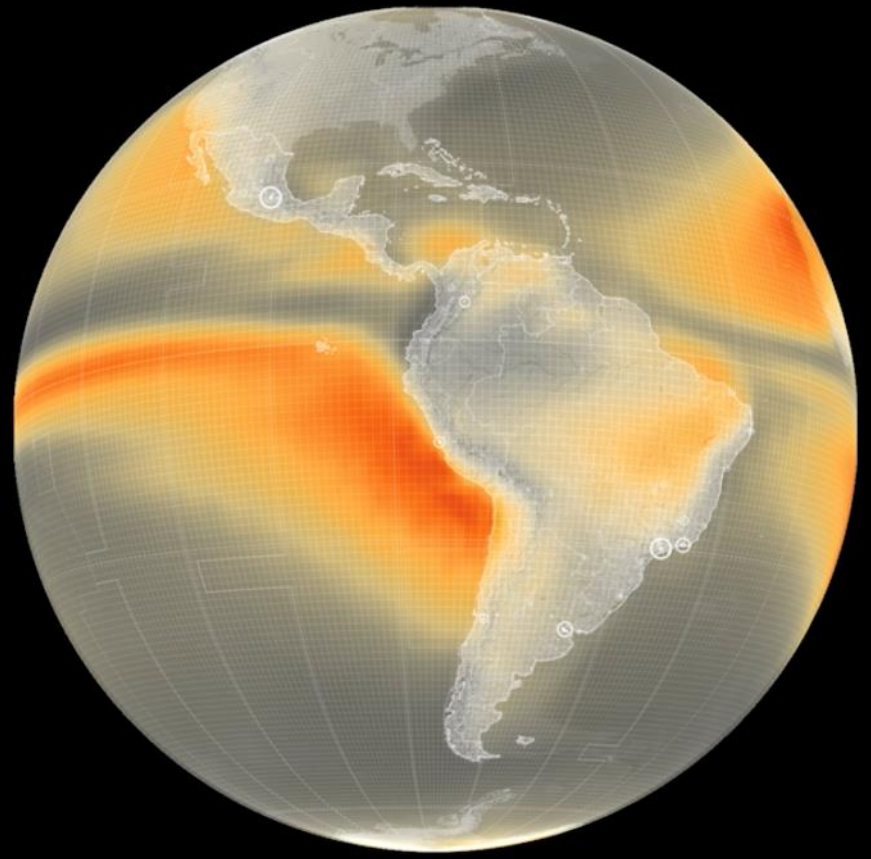

2046

continuous droughts

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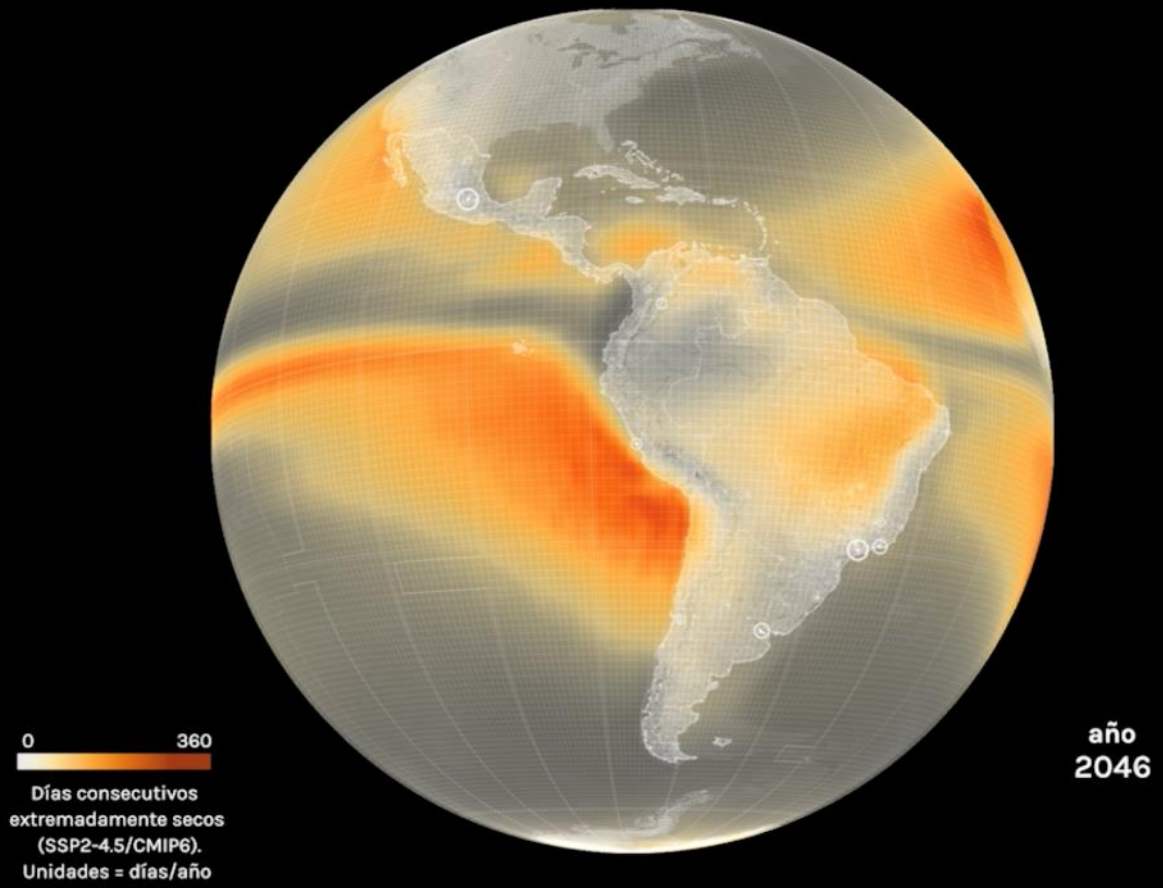

2100

continuous droughts

https://publications.iadb.org/es/diseno-ecologico-estrategias-para-la-ciudad-vulnerable-adaptando-las-areas-precarias-de-america

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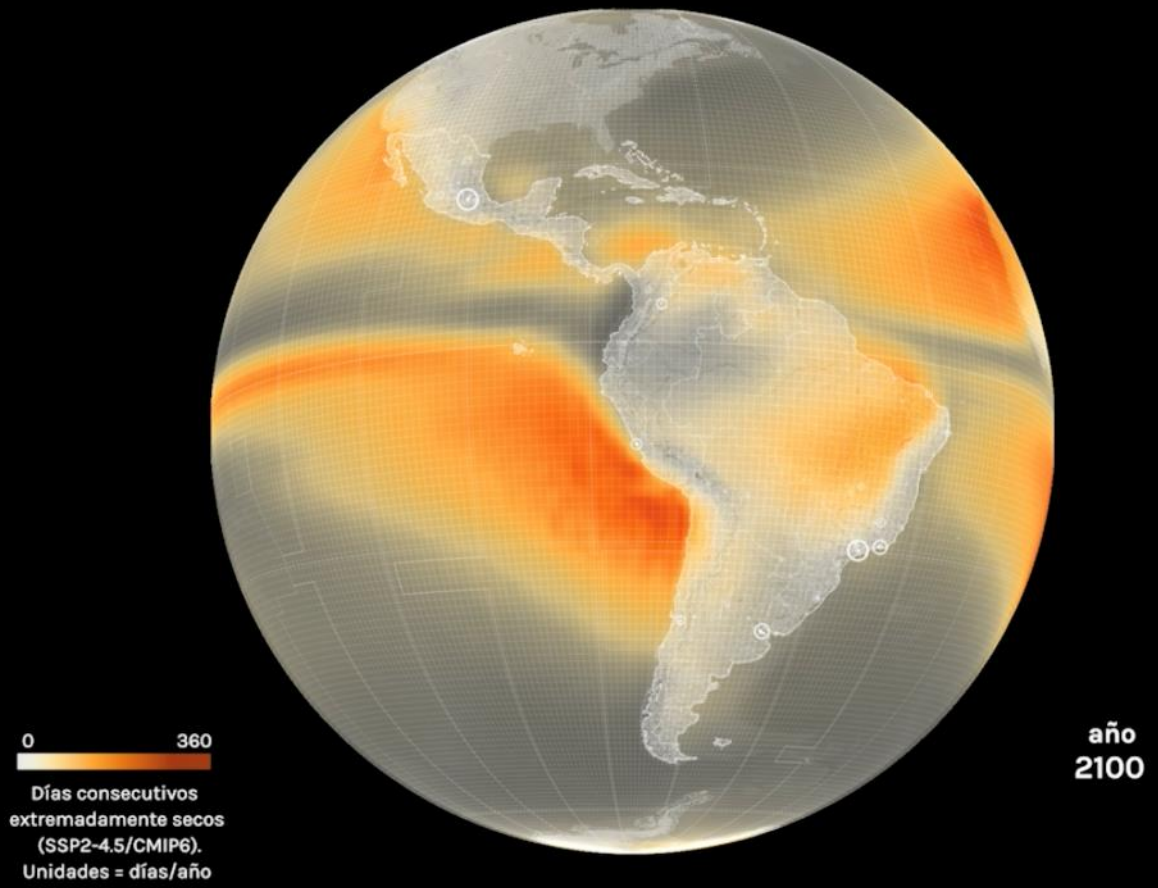
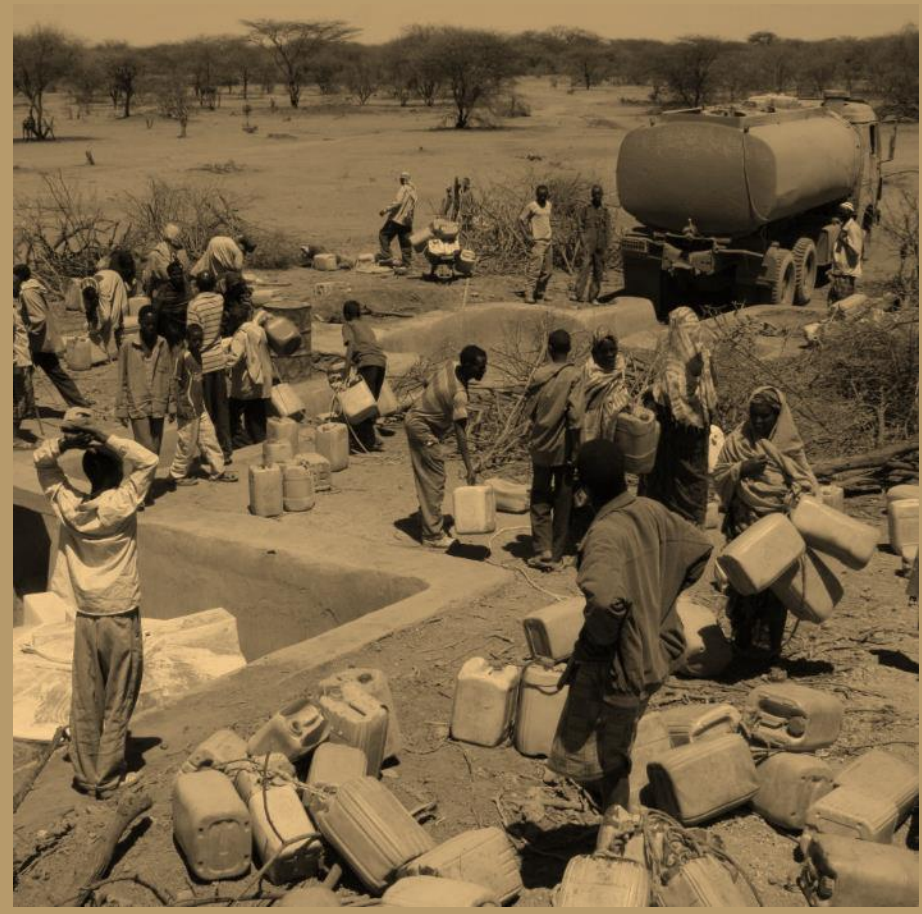


continuous droughts

1.3 M

Dry spells and droughts have caused 1.3 million new displacements in 2017.

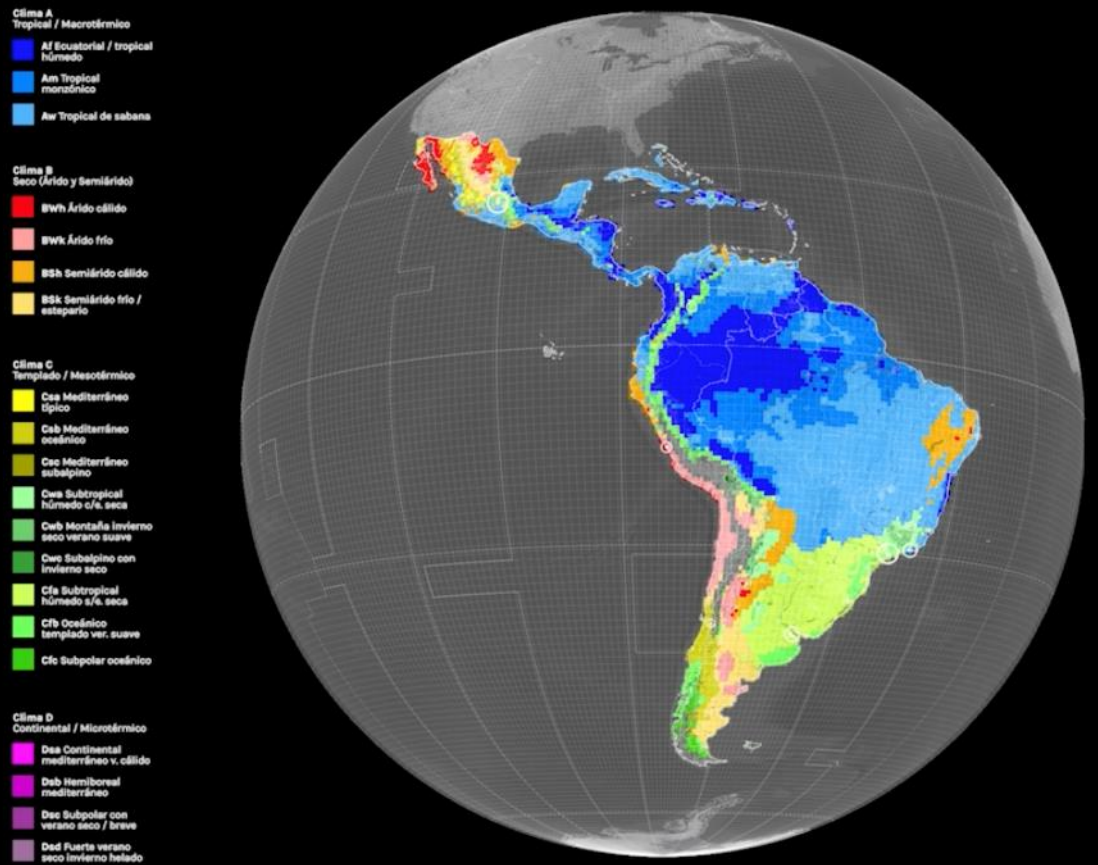


592 of 727

We estimate that out of a total of 727 cities in the region, 592 cities will currently experience profound bioclimate changes by the end of the 21st century.

1900

climate zones



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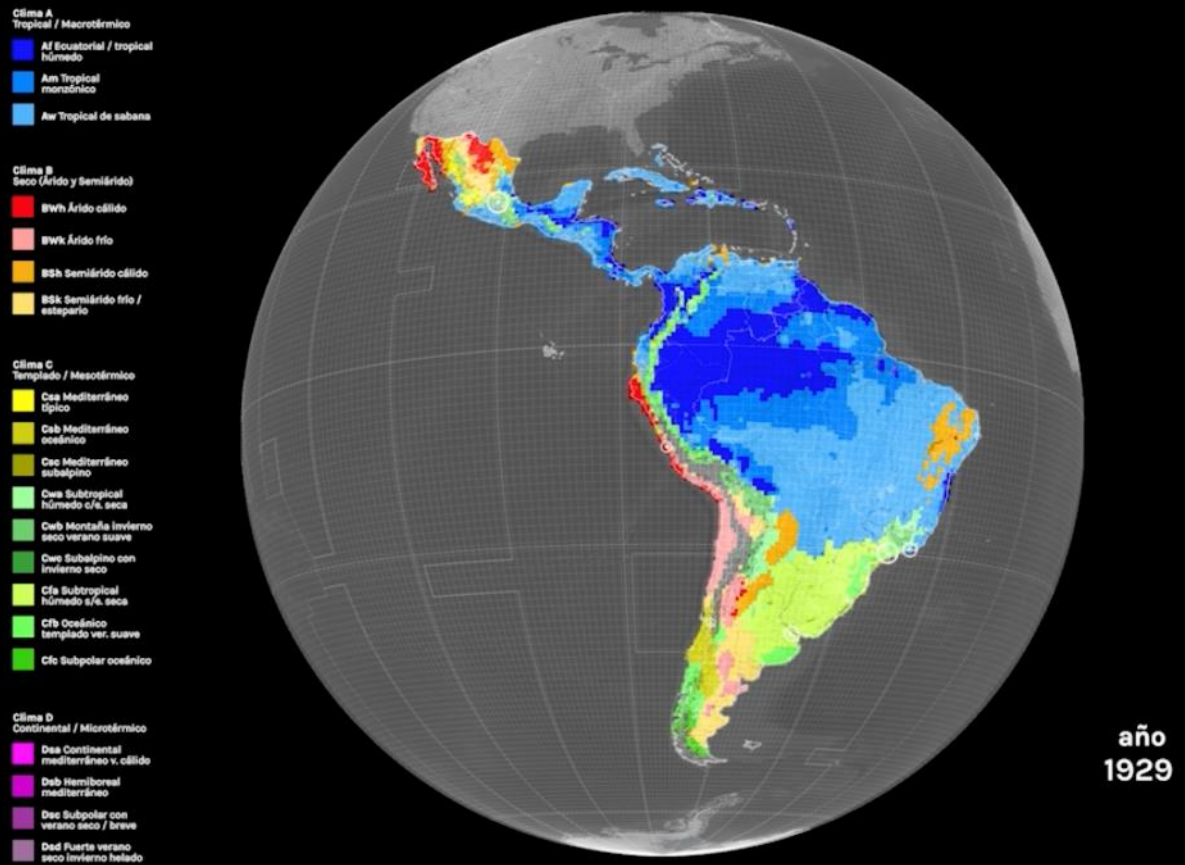
1929

climate zones



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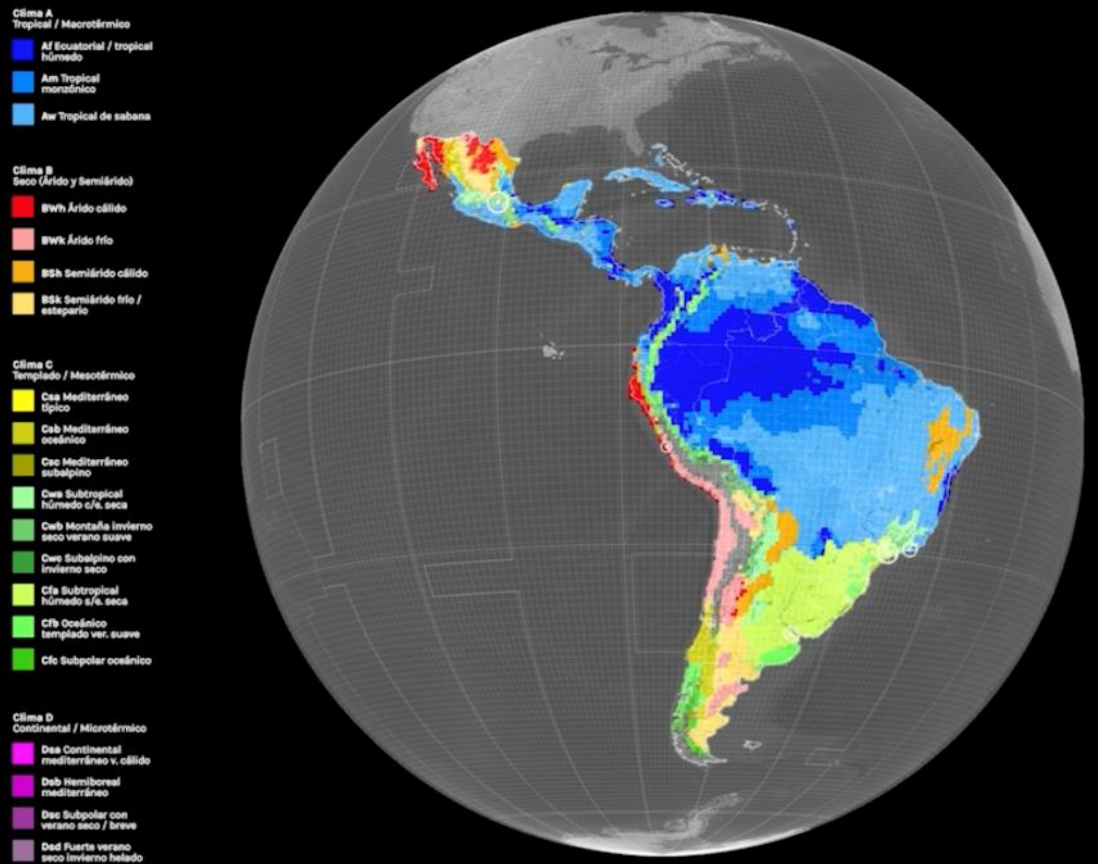
1953

climate zones



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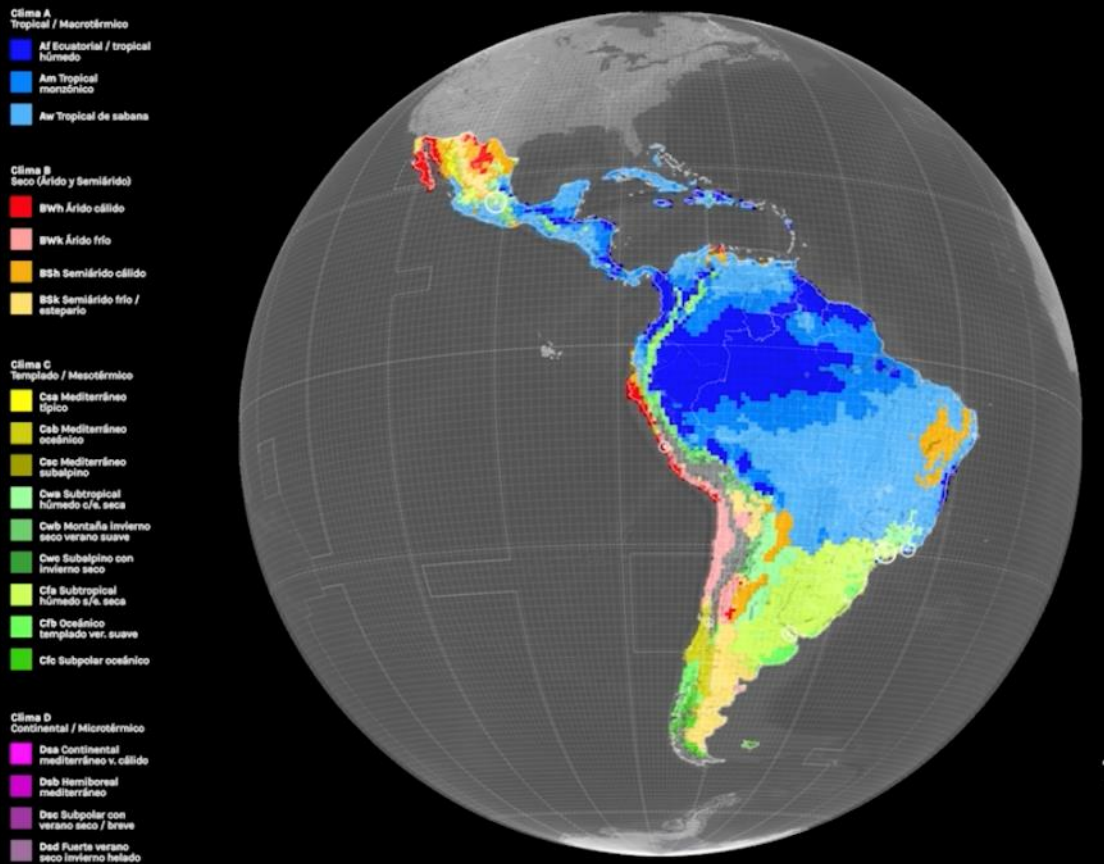
1978

climate zones



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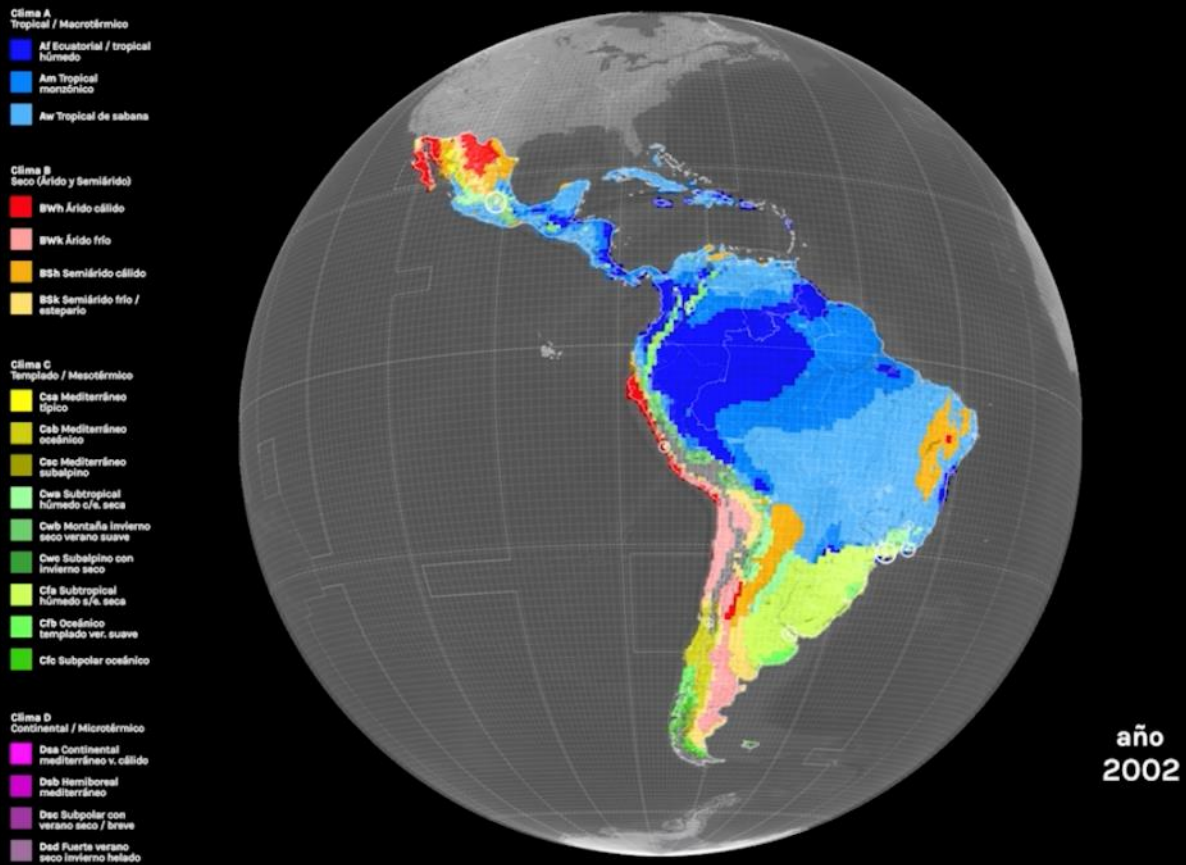
2002

climate zones



https://publications.iadb.org/es/diseno-ecologico-estrategias-para-la-ciudad-vulnerable-adaptando-las-areas-precarias-de-america

2021

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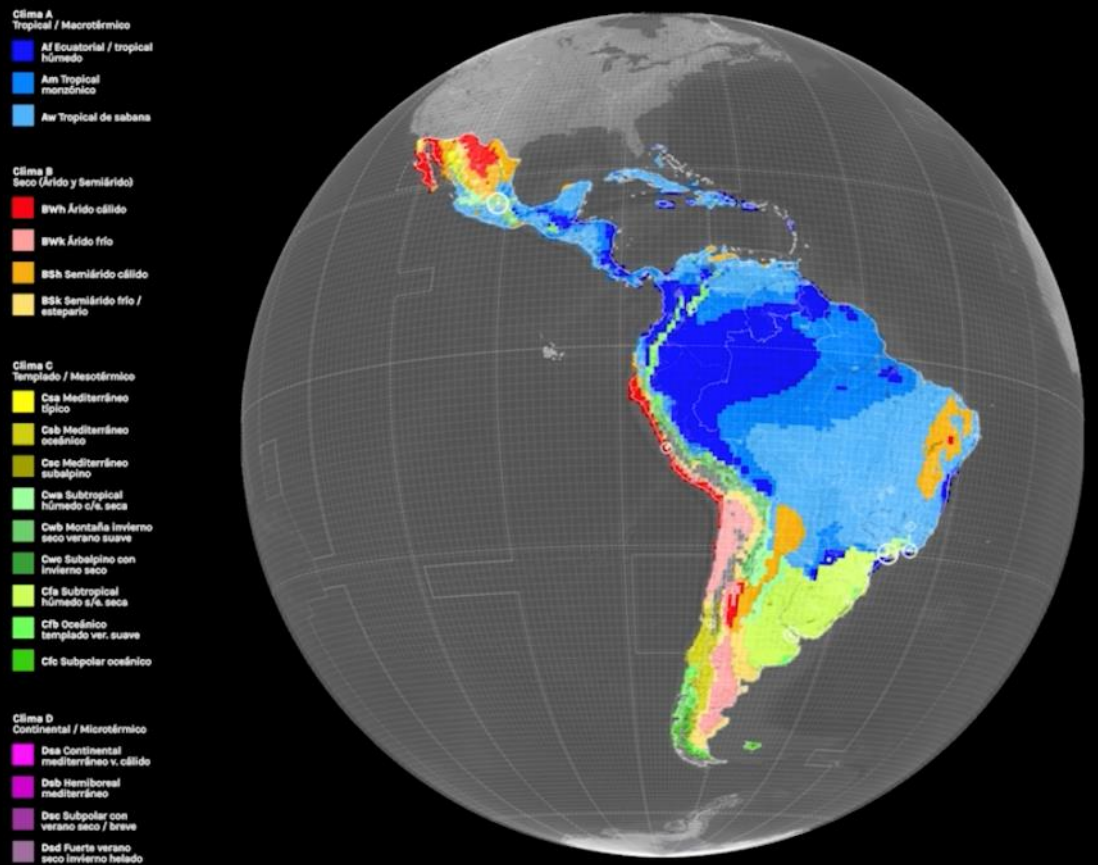
2027

climate zones



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2021

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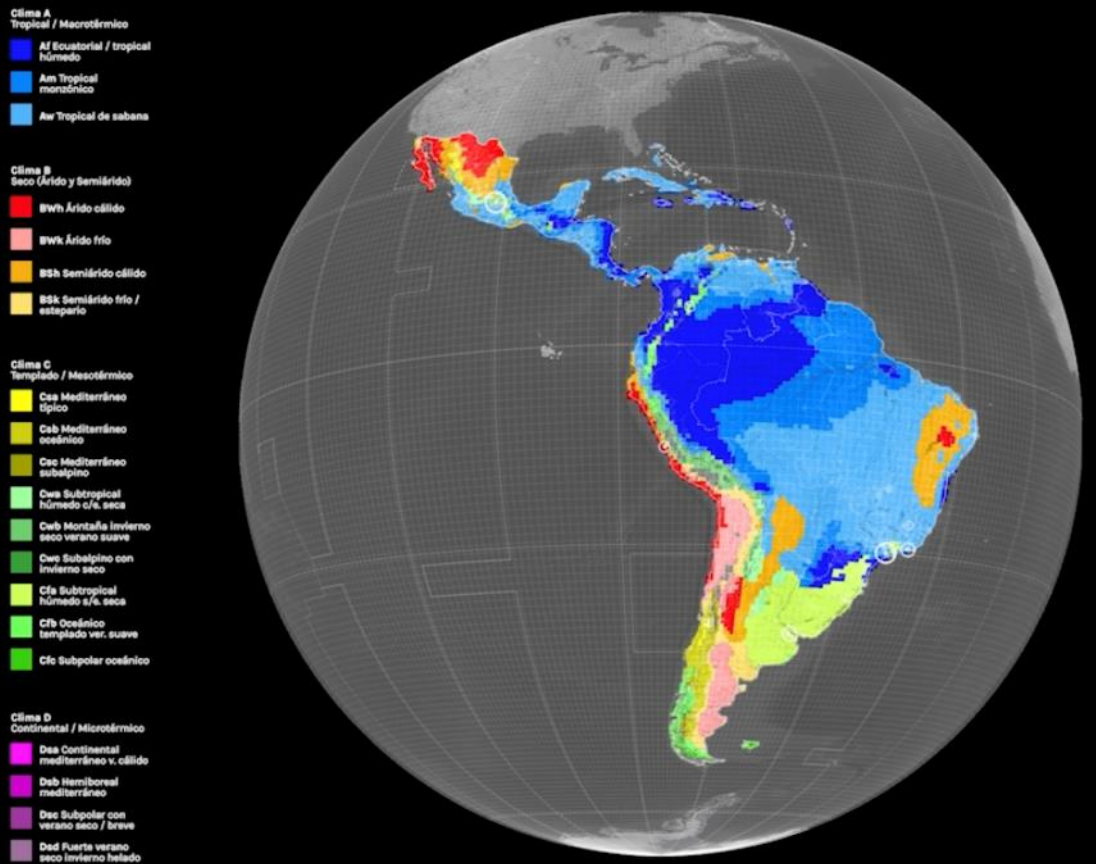
2053

climate zones



https://publications.iadb.org/es/diseno-ecologico-estrategias-para-la-ciudad-vulnerable-adaptando-las-areas-precarias-de-america

2021

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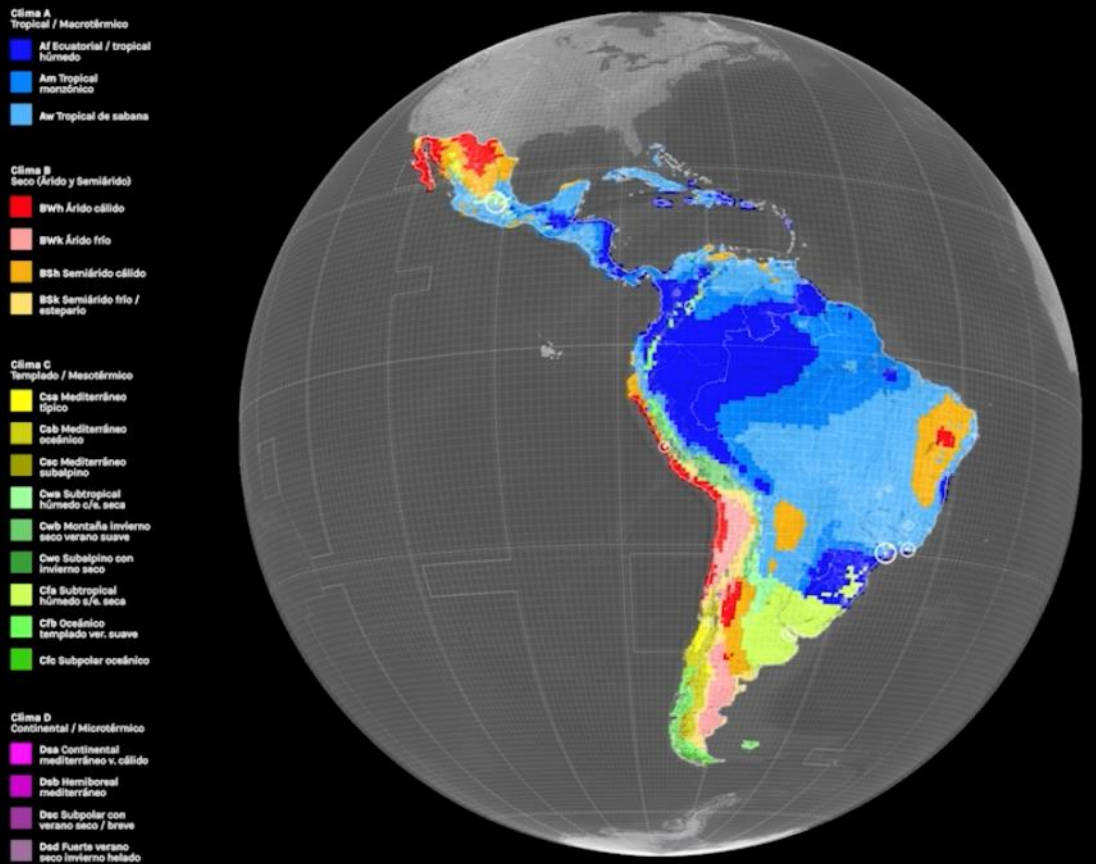
2078

climate zones



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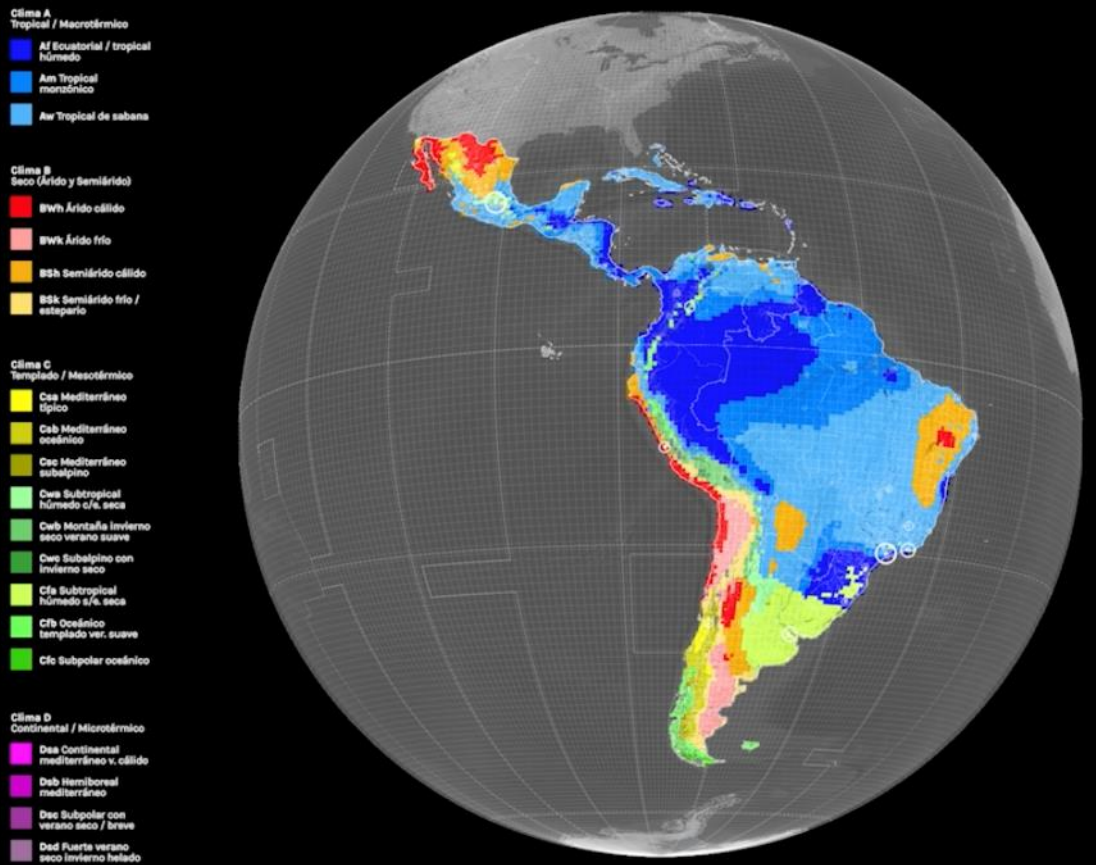
2100

climate zones



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2021

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The future of Latin American cities will be a future of climate adaptation, migration absorption and growth of informality

Thanks!