

Wprowadzenie do ogólnych zagadnień związanych ze zmianami klimatycznymi i ich wpływu na funkcjonowanie miasta i żyjących w nich ludzi.

Wykład 1 - NBS



Narodowe Centrum
Badań i Rozwoju



UNIWERSYTET
WARSZAWSKI



HUMAN POPULATION

Our population remained low—probably less than 1 million people.

With the advent of farming, growth picked up.

By AD 1, world population reached approximately 170 million people.

POPULATION (millions)

170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10



https://www.youtube.com/watch?v=PUwmA3Q0_OE





[http://www.dougstepsout.com/2013/09/10/c
ommunity-profiles-shingle-springs-part-1/](http://www.dougstepsout.com/2013/09/10/community-profiles-shingle-springs-part-1/)

Ziemia obiecana - Przeprowadzka do Łodzi



<https://www.youtube.com/watch?v=v65U-WTi-OI>

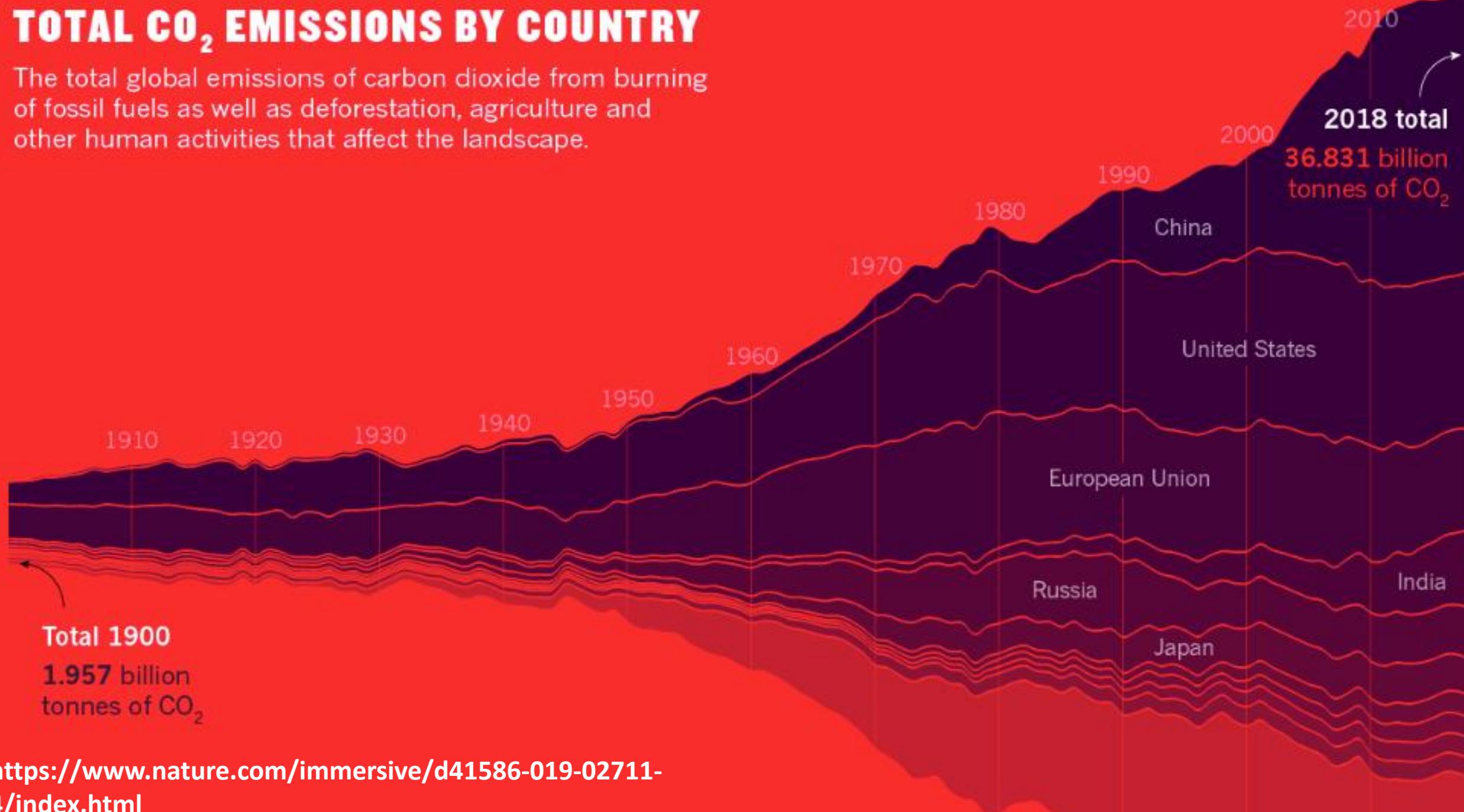




<https://www.museumoflondon.org.uk/discover/londons-past-air>

TOTAL CO₂ EMISSIONS BY COUNTRY

The total global emissions of carbon dioxide from burning of fossil fuels as well as deforestation, agriculture and other human activities that affect the landscape.





[https://www.archdaily.com/484268/familistere
-guise-h2o-architectes](https://www.archdaily.com/484268/familistere-guise-h2o-architectes)

THE THREE MAGNETS

Nº I.

THE PEOPLE

WHERE WILL THEY GO?

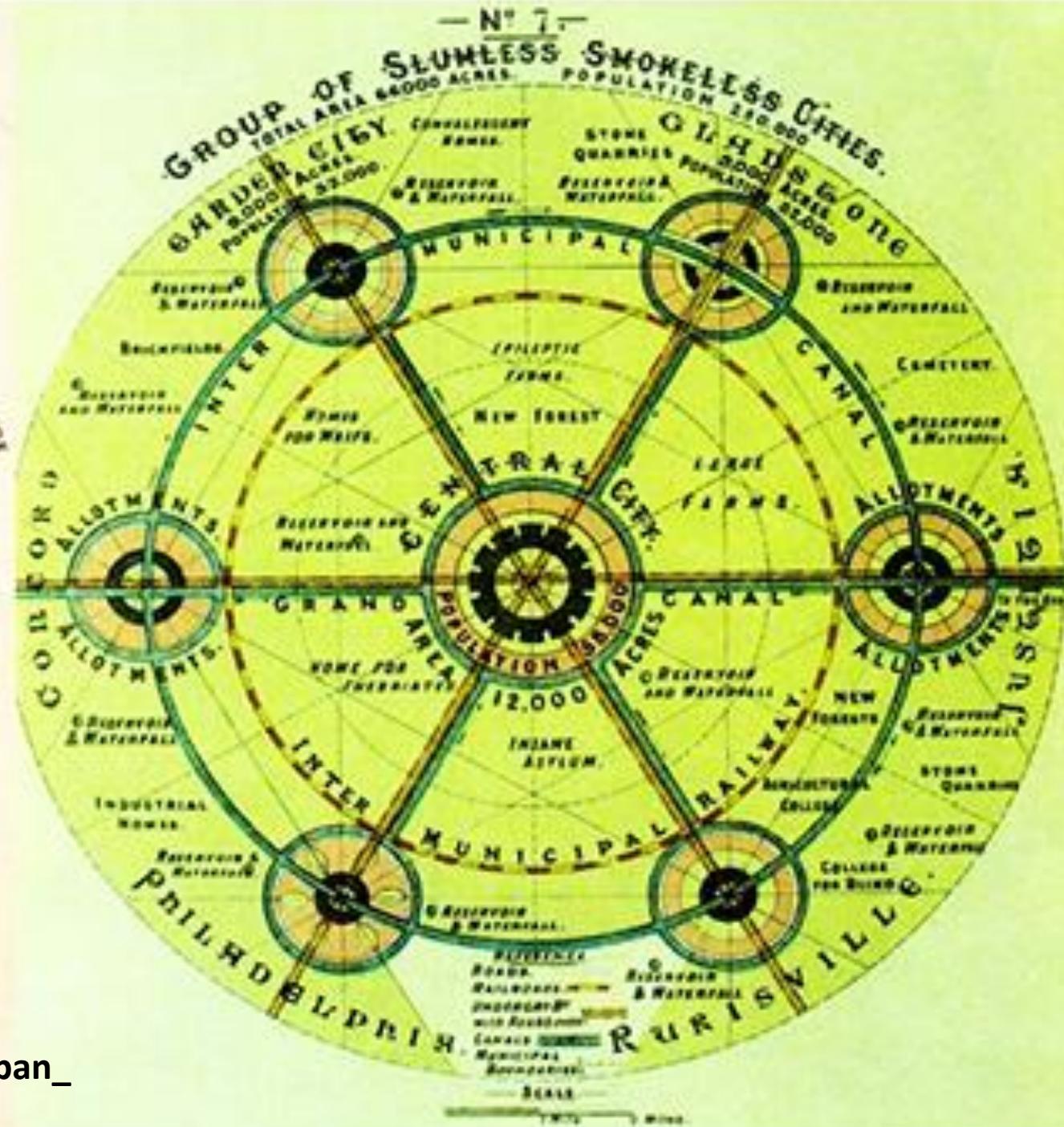
The diagram illustrates two diverging paths from a central point labeled "THE PEOPLE".

- Path 1 (Left):** Labeled "CITY". It lists:
 - UNION OF CROWDS.
 - HIGH RENTS.
 - EXCESSIVE HOURS.
 - FOGS & DRAUGHTS.
 - Foul AIR.
 - SLUMS & PALACES.
- Path 2 (Right):** Labeled "COUNTRY". It lists:
 - SOCIAL OPPORTUNITY.
 - PLANES OF AMUSEMENT.
 - HIGH MONEY WAGES.
 - CHANCES OF EMPLOYMENT.
 - ARMY OF UNEMPLOYED.
 - COSTLY DRAINAGE.
 - WATER POLLUTION.
 - NO PUBLIC SPirit.
 - ABUNDANT DRINK.
 - LACK OF AMUSEMENT.
 - LACK OF DRAINAGE.
 - TREACHEROUS STREETS.
 - NO PUBLIC SPIRIT.
 - WELL-DESIGNED VILLAGES.
 - VILLAGE DISTANCE.
 - BEAUTY OF NATURE.
 - LAND LIVING.
 - ADORN FOREST.
 - AIR LORRENTS.
 - WOOD & WATER.
 - SUNSHINE.
 - ABUNDANCE.
 - REFORM.
 - VILLAGES.

The diagram illustrates the 'TOWN-COUNTRY' concept with two columns of benefits:

- Town Column (Left):** BEAUTY OF NATURE, SOCIAL FIELDS AND PARKS OF EASY ACCESS.
- Country Column (Right):** ALMOST OPPORTUNITY, HIGH WAGES, PLENTY TO DO, NO SWEATING, FLOW OF CAPITAL, DRAINAGE, NO SLUMS.

Between the columns, the words "LOW RENTS, HIGH PRICES" are written vertically.



The Pruitt-Igoe Myth Official Trailer #1 (2012) HD



1956

<https://www.youtube.com/watch?v=8CAFACI7LBY>

SUBSCRIBE



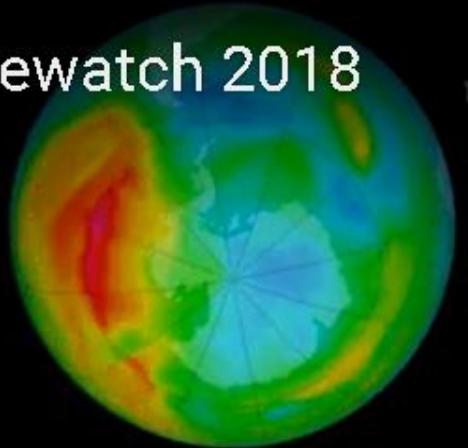
0:23 / 2:34



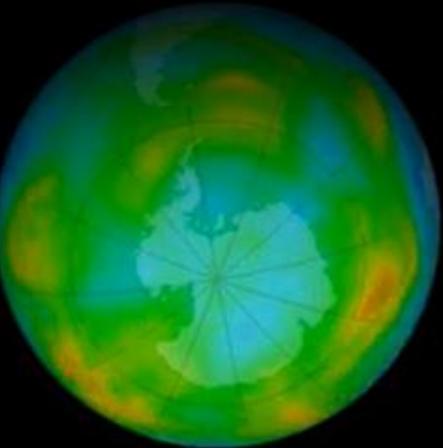


Ozonewatch 2018

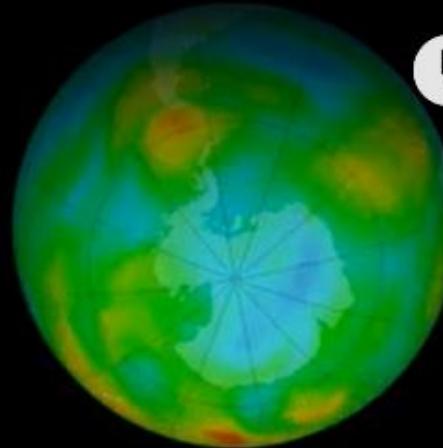
1979-07-10



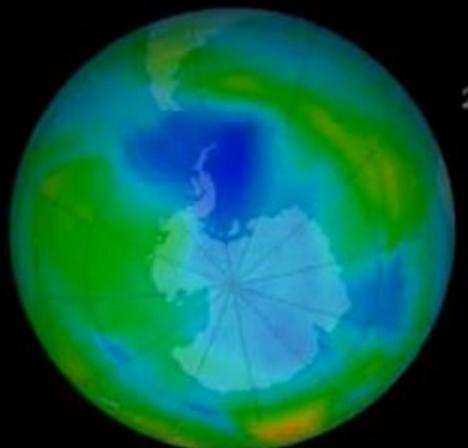
1980-07-10



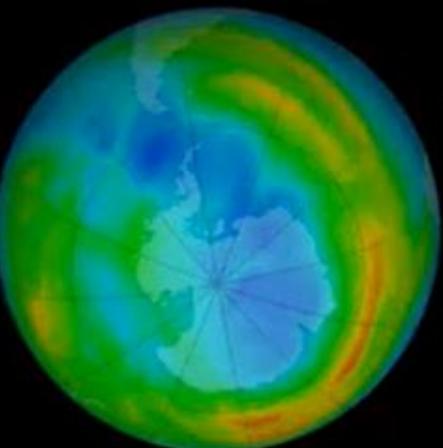
1981-07-10



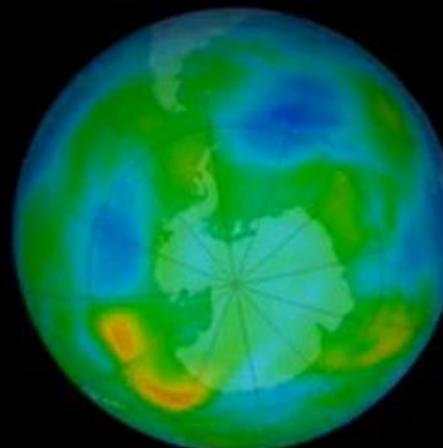
2000-07-10



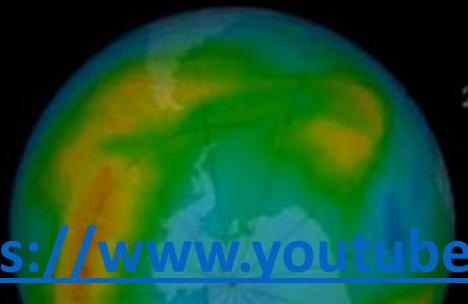
2002-07-10



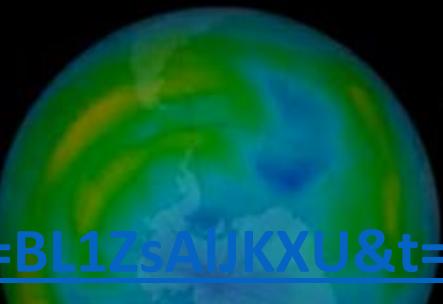
2006-07-10



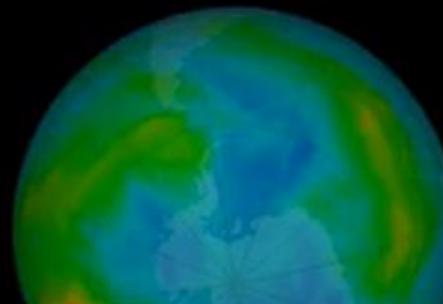
2016-07-10



2017-07-10



2018-07-10



<https://www.youtube.com/watch?v=BL1ZsAIJKXU&t=27s>



0:01 / 0:30



Earth's Long-Term Warming Trend, 1880-2015



1886 - 1890

<https://www.youtube.com/watch?v=gGOzHVUQCw0>



0:01 / 0:30







Number of recorded natural disaster events, All natural disasters, 1900 to 2019

The number of global reported natural disaster events in any given year. This includes those from drought, floods, extreme weather, extreme temperature, landslides, dry mass movements, wildfires, volcanic activity and earthquakes.

➡ Change disaster category



Source: EMDAT (2020); OFDA/CRED International Disaster Database, Université catholique de Louvain – Brussels – Belgium
ourworldindata.org/grapher/number-of-disaster-events • CC BY



1900



2019



<https://tvn24.pl/tvnmeteo/informacje-pogoda/ciekawostki,49/dekada-trzesien-ziemi-niemal-milion-ofiar-dwa-miliardy-poszkodowanych,15118,1,1.html>



Watch more

<https://www.bbc.com/news/av/world-europe-14007888>



00:03 / 01:01



1x





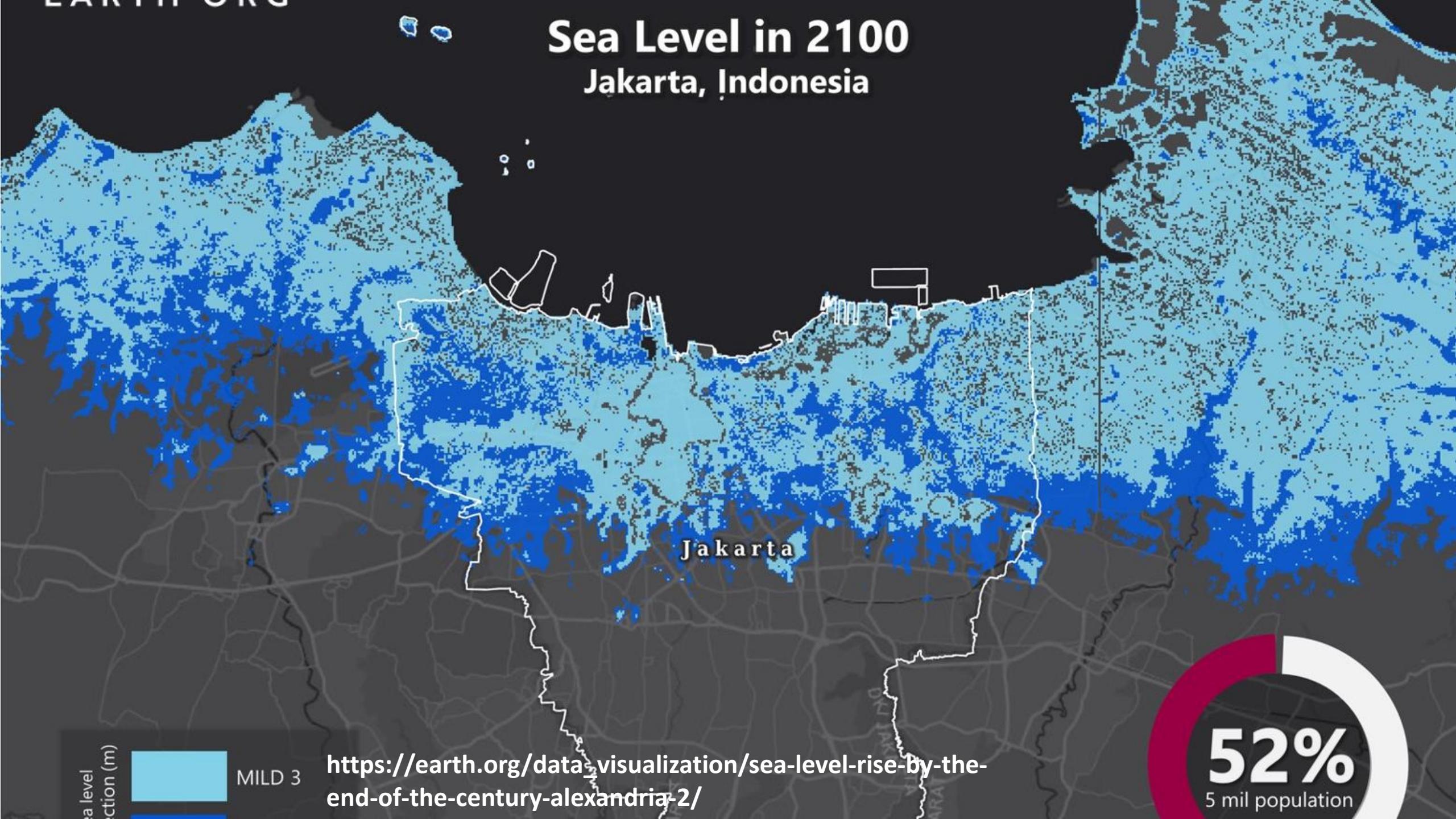
<https://polska-org.pl/8792442,foto.html?idEntity=537478>



<https://www.scientificamerican.com/article/sea-level-rise-is-speeding-up-in-parts-of-the-southeastern-u-s/>

Sea Level in 2100

Jakarta, Indonesia





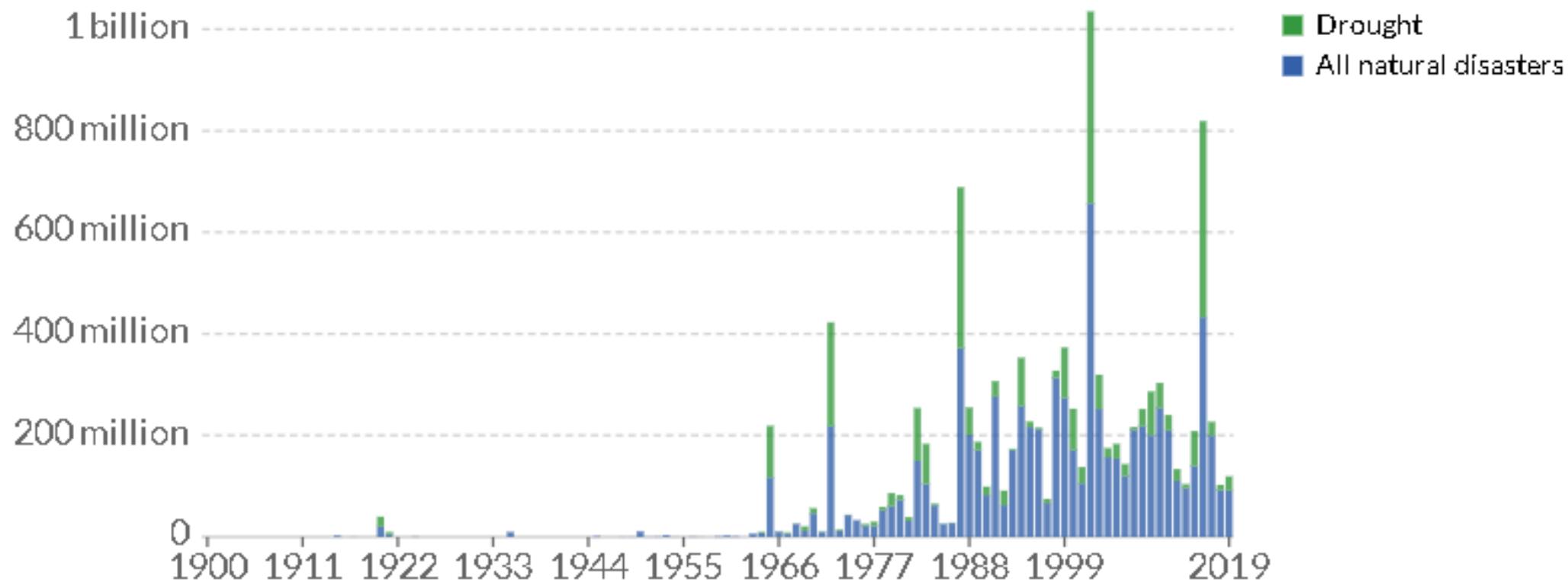
<https://www.techtudo.com.br/noticias/noticia/2012/10/falsas-fotos-do-furacao-sandy-e-memes-circulam-pelas-redes-sociais.html>



Number of people affected by natural disasters, 1900 to 2019

Global number of people affected by natural disasters. This is defined as "people requiring immediate assistance during a period of emergency, i.e. requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance."

➡ Change disaster category



Source: EMDAT (2020); OFDA/CRED International Disaster Database, Université catholique de Louvain – Brussels – Belgium
OurWorldInData.org/natural-disasters • CC BY

