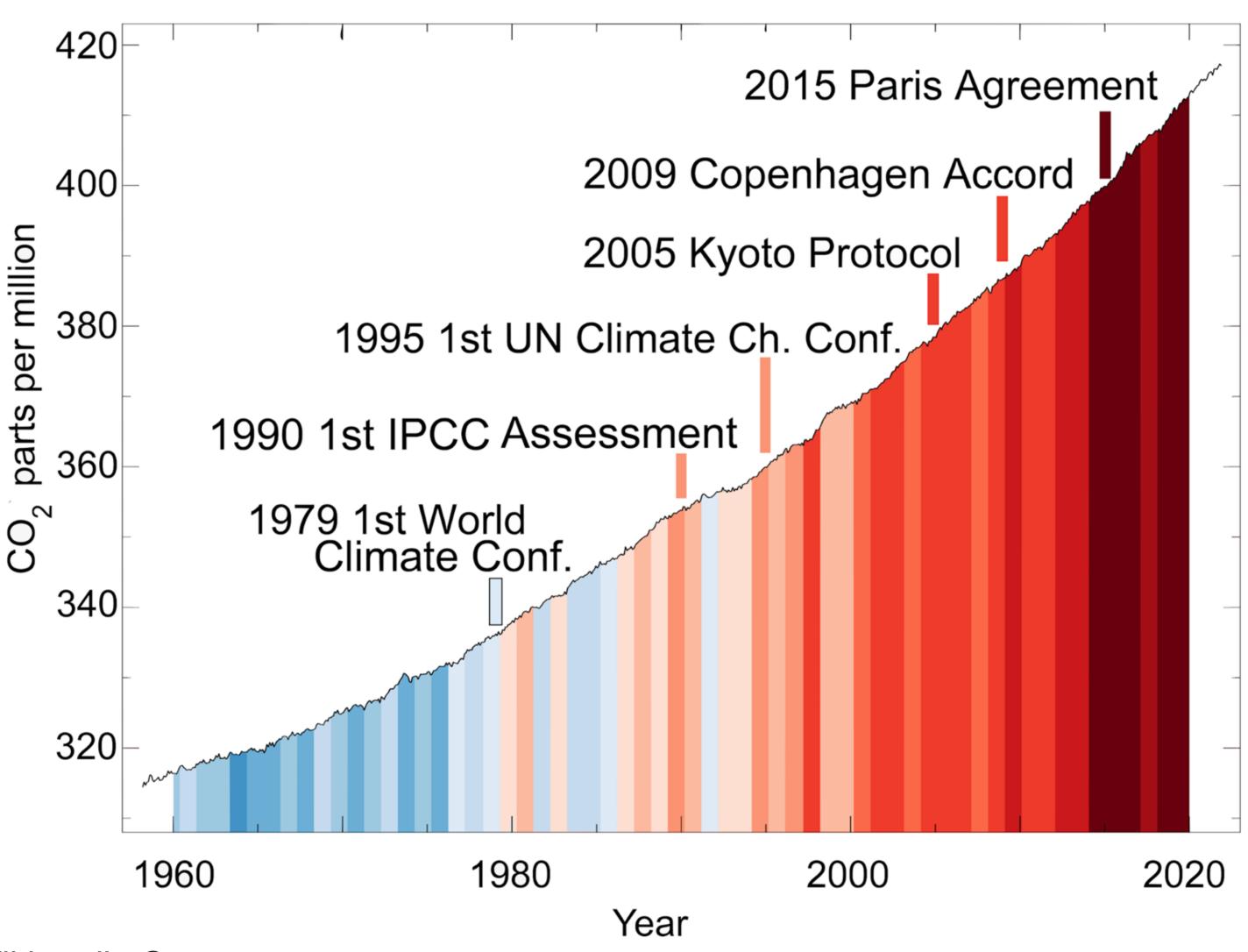
# CO<sub>2</sub> and global temperatures rise despite promises

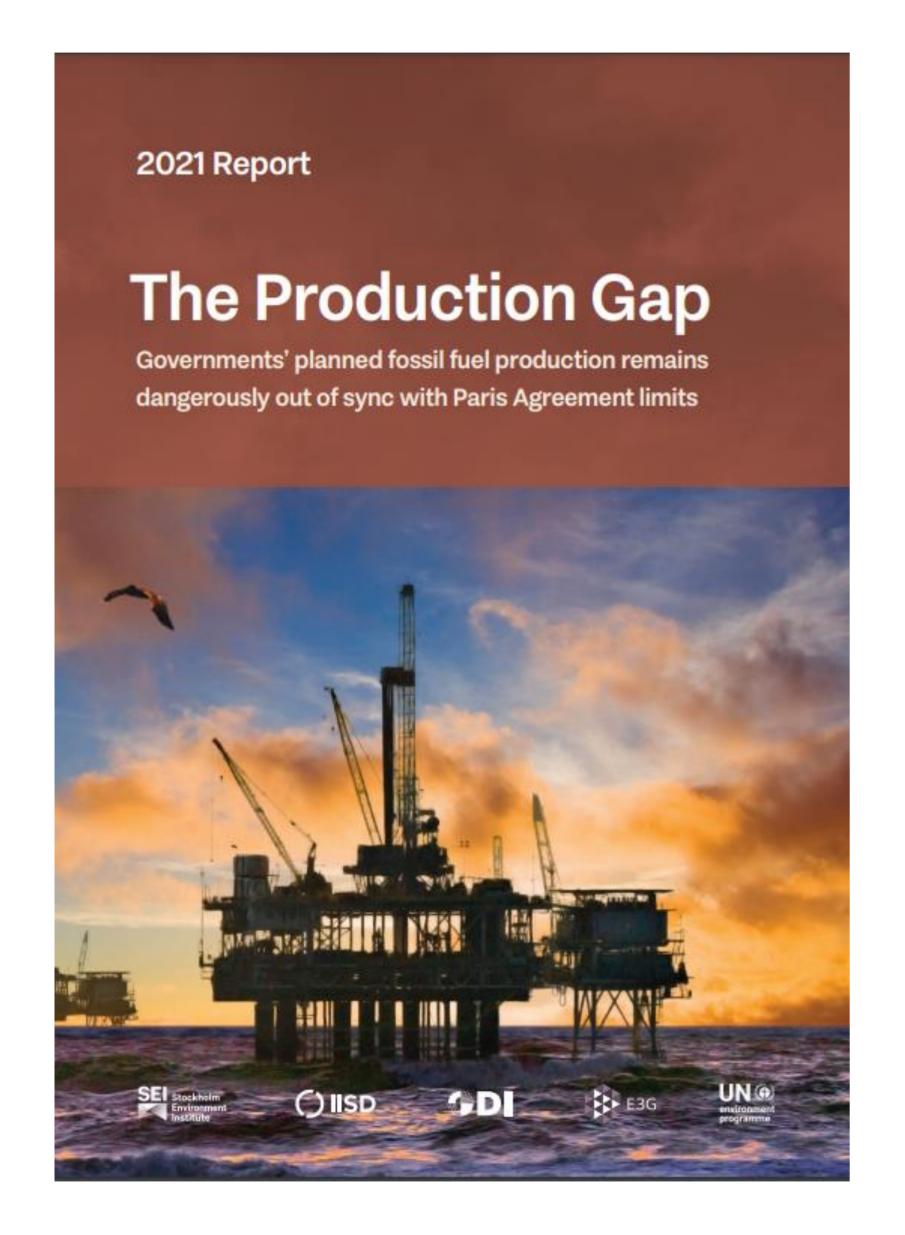


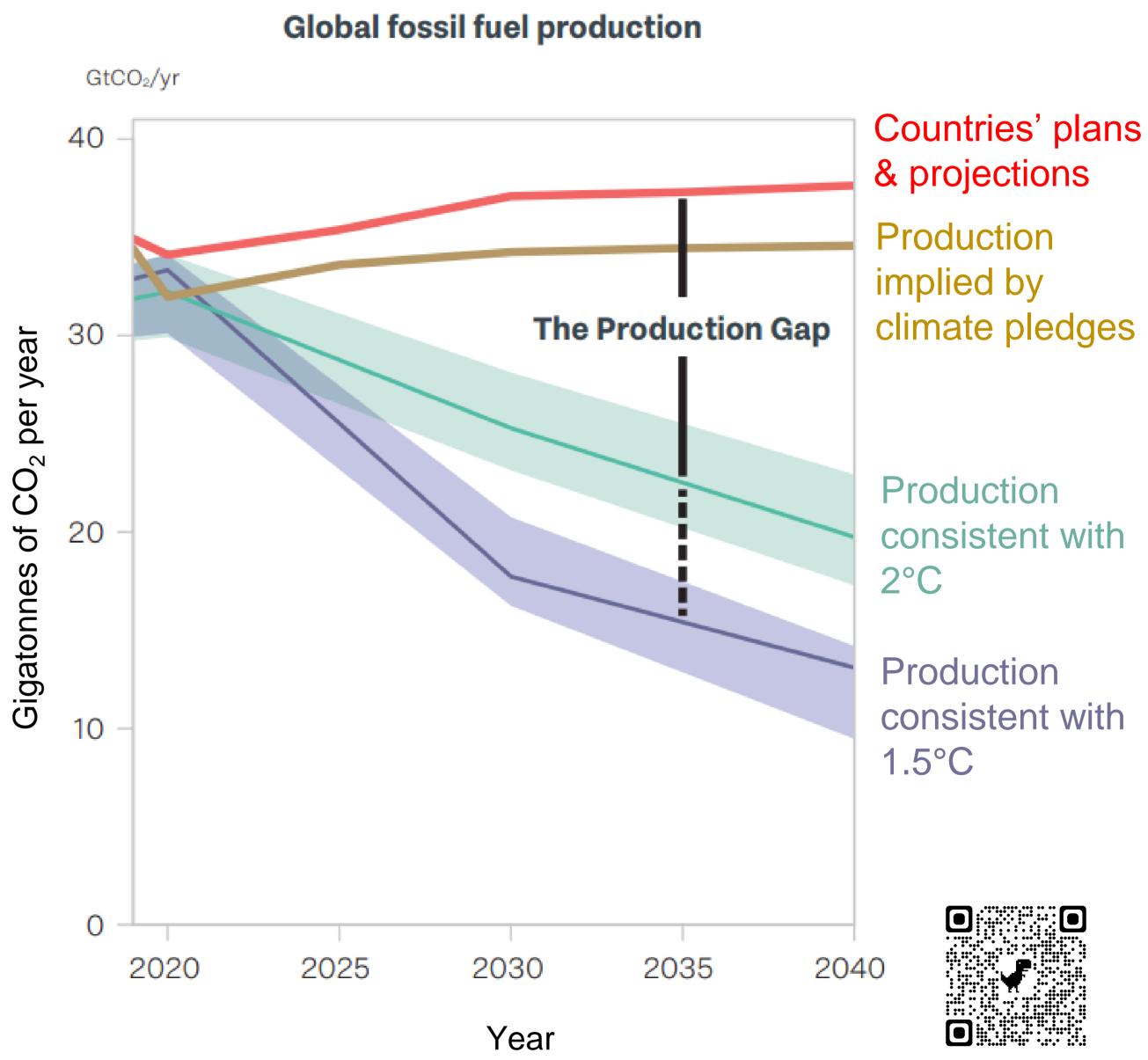


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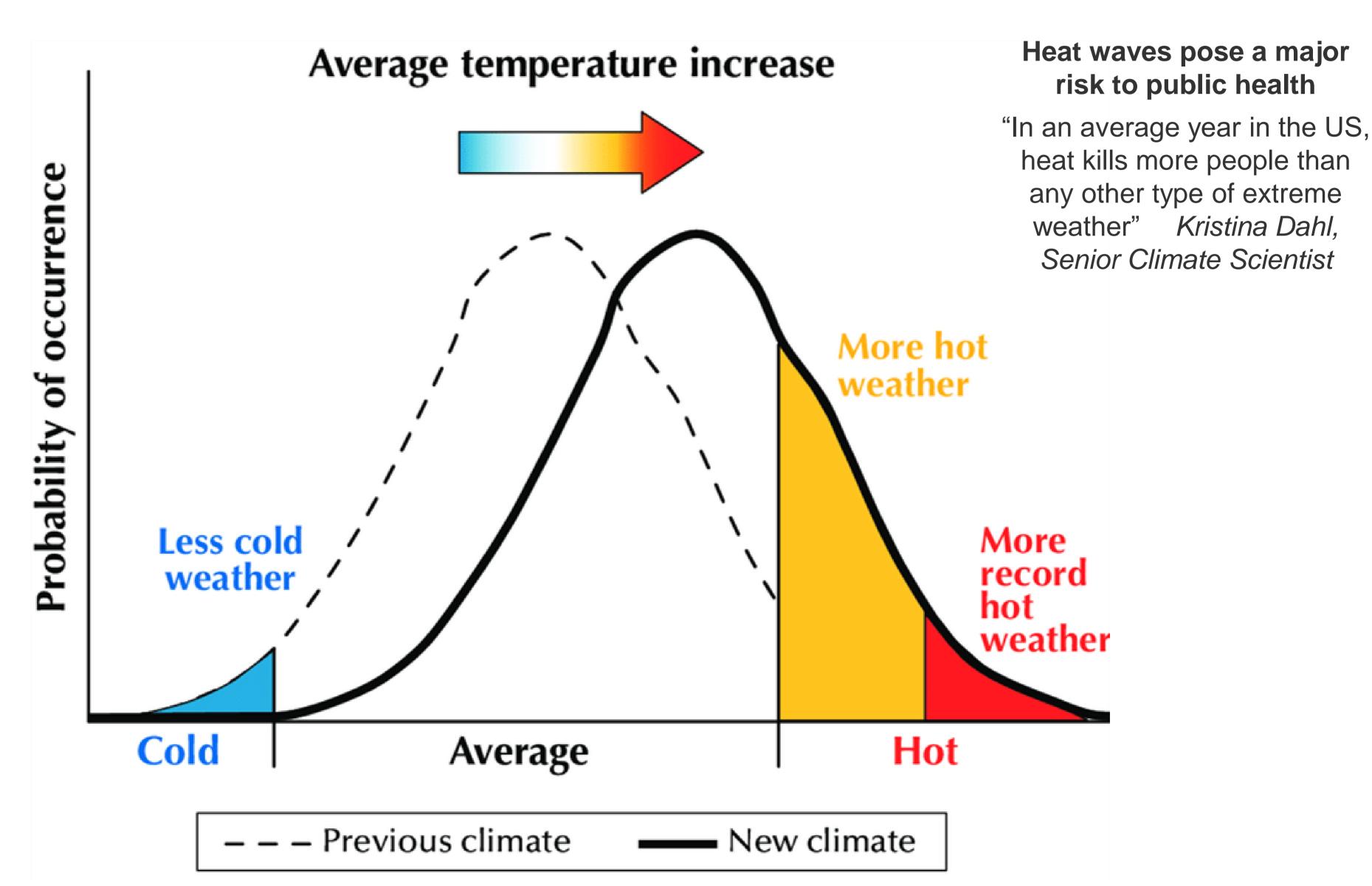
### Production exceeds promised reduction



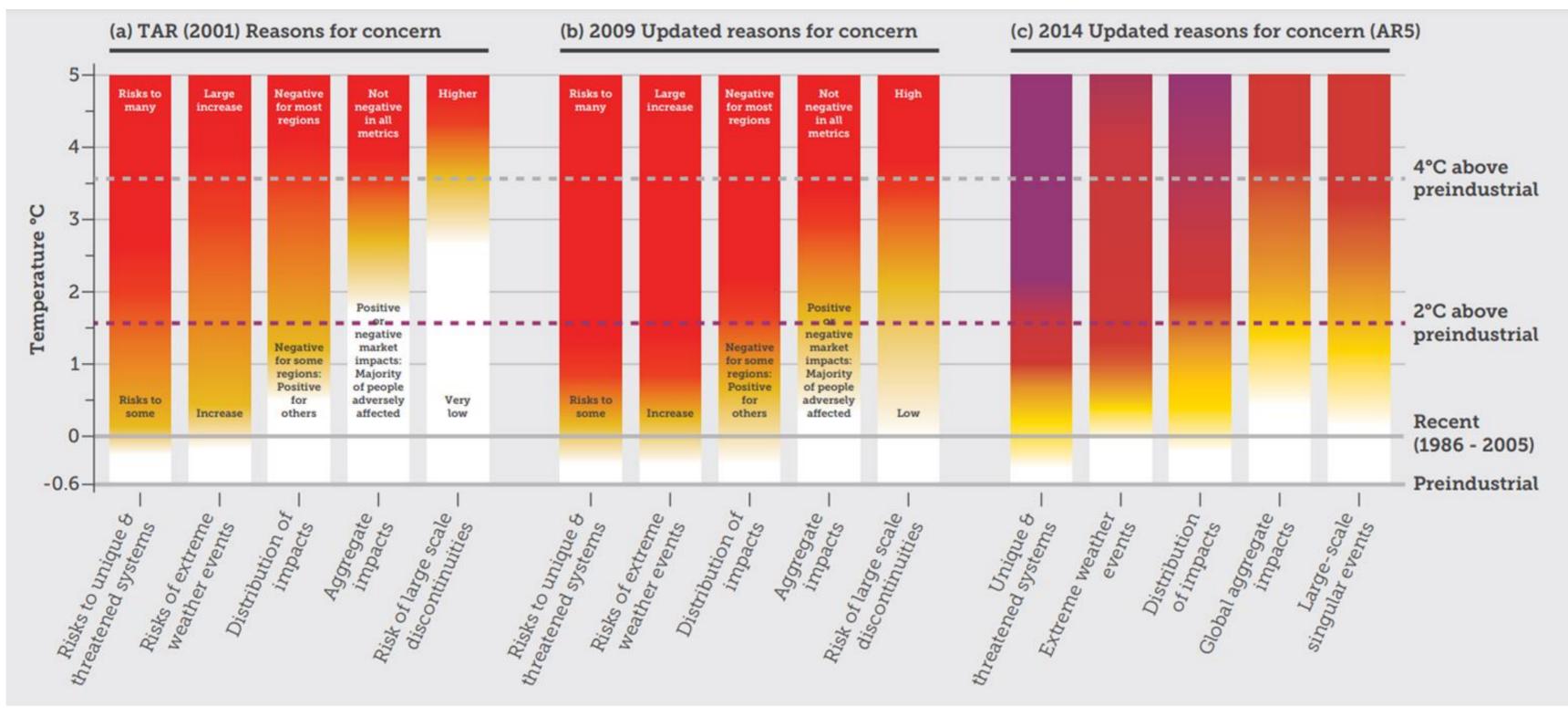


1 Gigatonne = 1,000,000,000 tonnes

## Higher average temperatures make extreme hot weather more likely



### Overall risks and impacts turn to high, faster than anticipated



#### Scan for more info



Unique and threatened systems

Risks to ecological and human systems, such as coral reefs, the Arctic and its Indigenous People, mountain glaciers and biodiversity hotspots.

Extreme weather events

Impacts to human health, livelihoods, assets and ecosystems from extreme weather events such as heatwaves, heavy rain, drought and associated wildfires, and coastal flooding.

Distribution of impacts

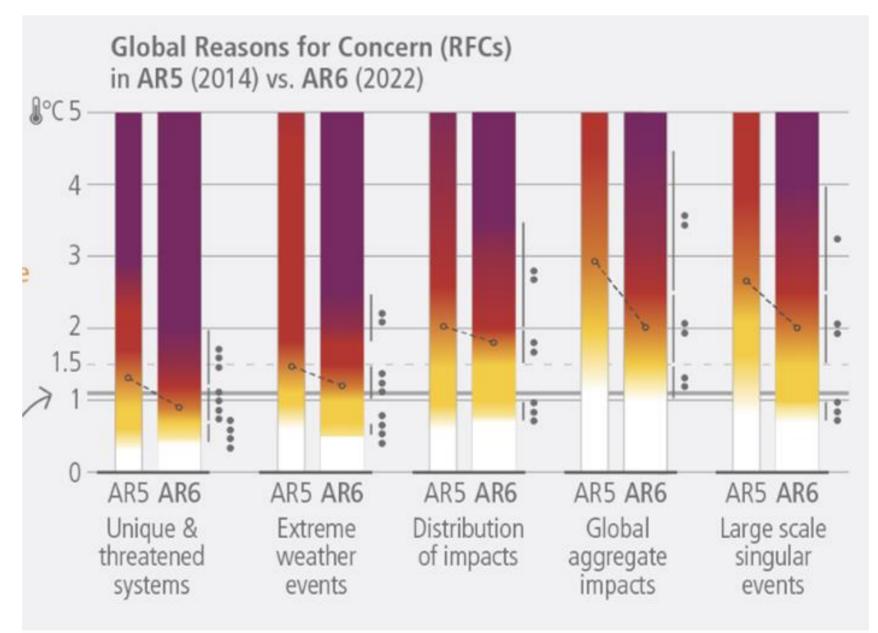
Aggregated risks/impacts that disproportionately affect particular groups, such as vulnerable societies and socio-ecological systems, including disadvantaged people and communities in countries at all levels of development, due to uneven distribution of physical climate change hazards, exposure or vulnerability.

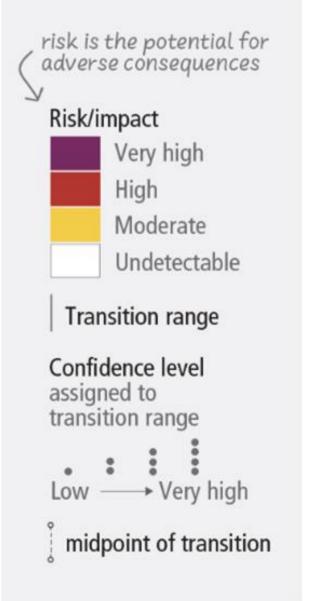
Global aggregate impacts

Impacts to socio-ecological systems that can be aggregated globally into a single metric, such as monetary damages, lives affected, species lost or ecosystem degradation at a global scale.

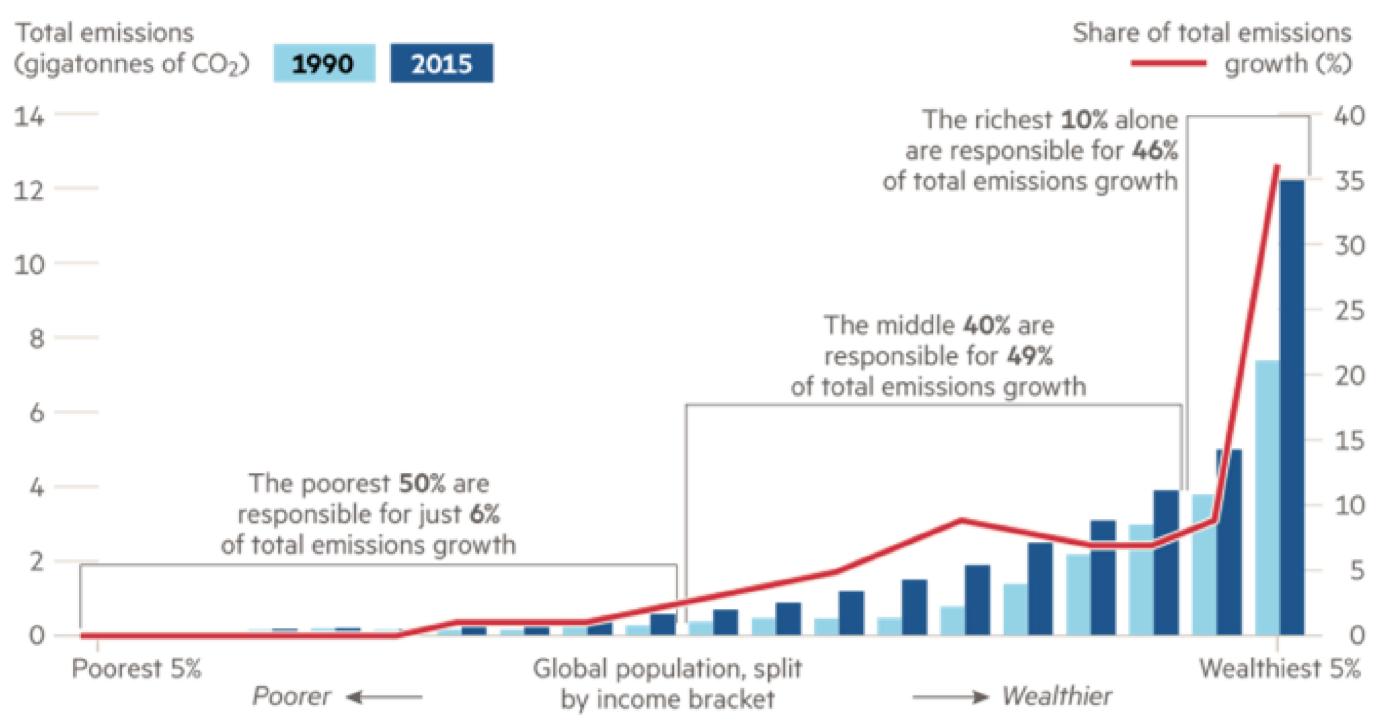
Large-scale singular events

Relatively large, abrupt and sometimes irreversible changes in systems caused by global warming, such as ice sheet disintegration or thermohaline circulation slowing and sometimes called tipping points or critical thresholds.





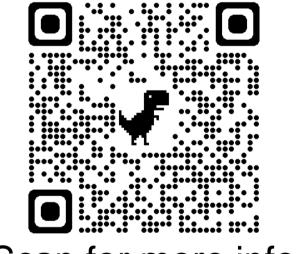
# Consumption of richest 10% accounts for almost half of CO<sub>2</sub> emissions



#### Who are the rich?

Richest 10%
Annual income of £27,500
Richest 1%
Annual income of £79,000

Source: Oxfam/Stockholm Environment Institute



Scan for more info

Visual journalism: Steven Bernard/@sdbernard and Chelsea Bruce-Lockhart/@C\_BruceLockhart Source: Oxfam © FT



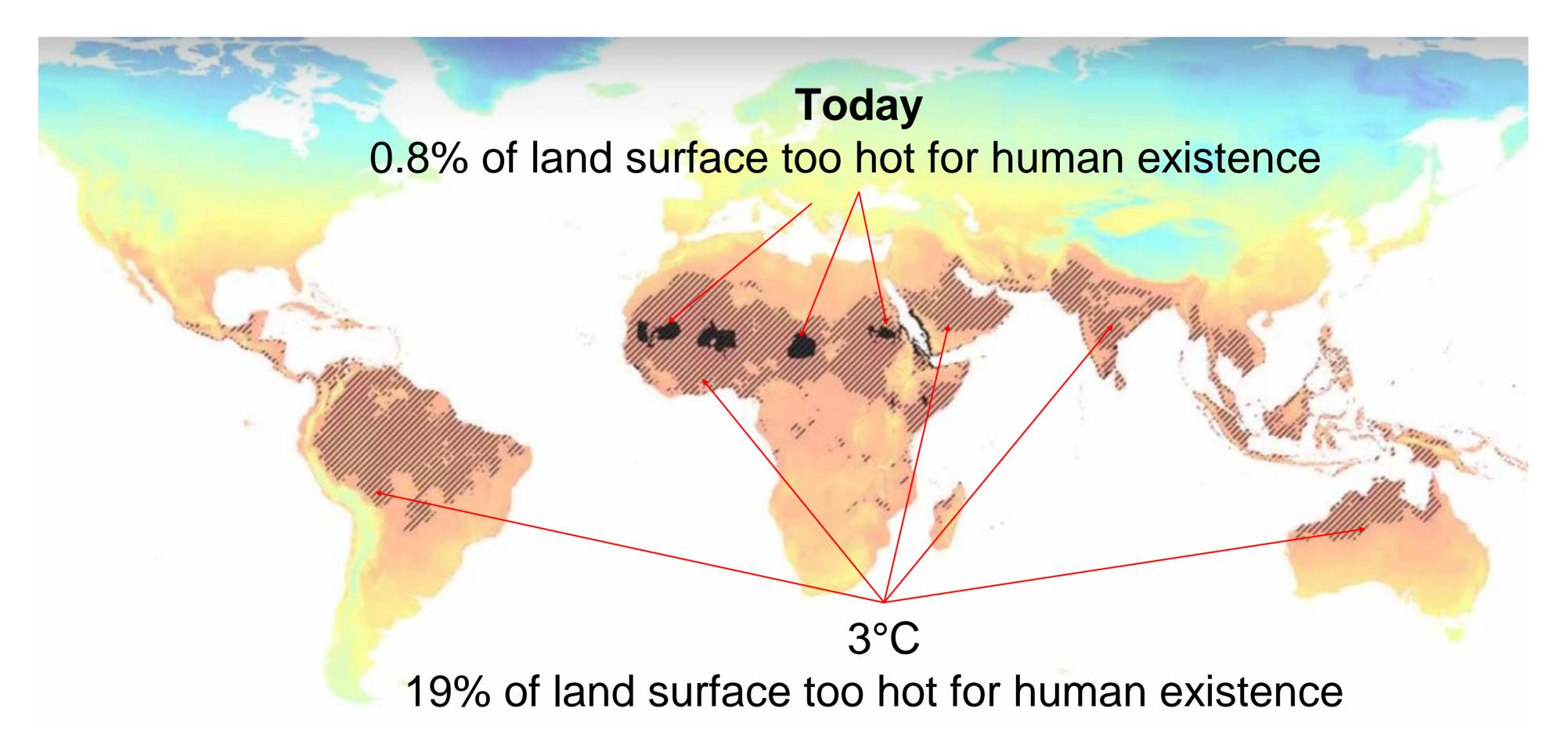
The City of London remains one of the largest global centres for financing fossil fuels, supporting at minimum 15% of potential global CO<sub>2</sub> emissions

Source: Carbon Tracker 2020

← Scan for report



# 1 billion people displaced for every additional 1°C of global warming

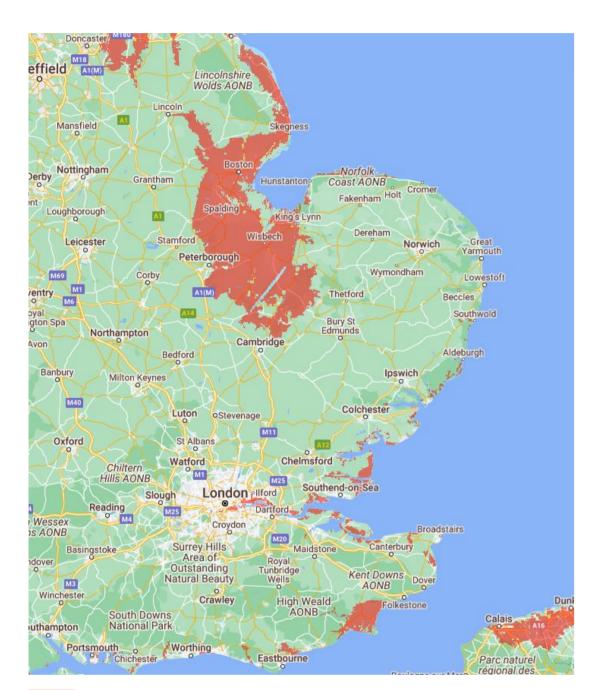




Source: international research collaboration published in The Proceedings of the National Academy of Sciences ← Scan for article

## Parts of the UK under water by 2050

NASA predicts sea level to rise up to a foot by 2050



Water level of 1.0 feet above the high tide line could be reached through combinations of sea level rise, tides, and storm surge.

Areas will face a choice either will need to be abandoned or upgrade their defences.

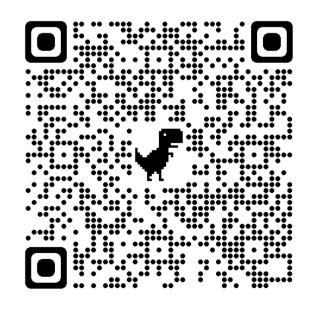


©Hull City Council

Below water level with just 30 cm (1 foot) sea rise

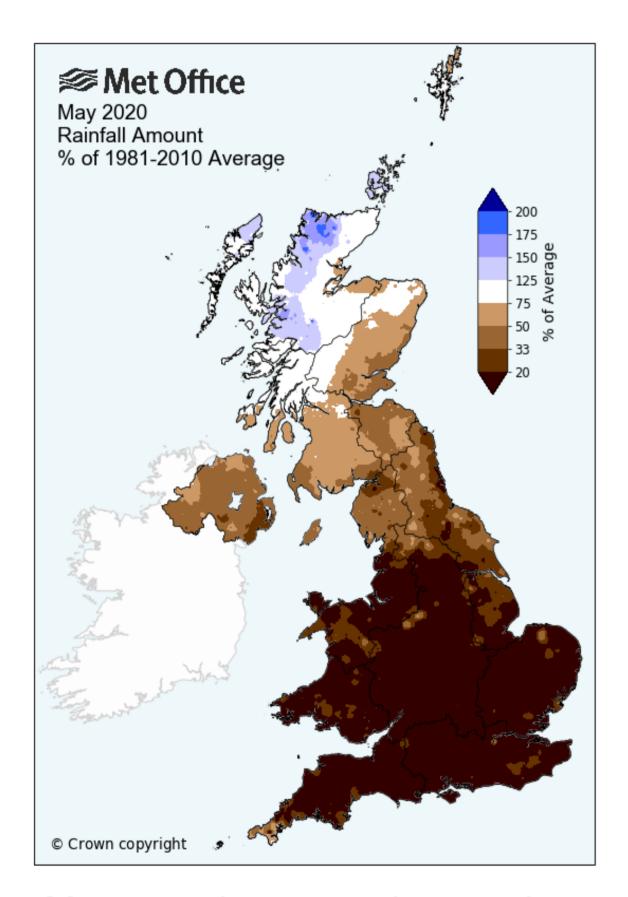


Almost half of London's commercial buildings are at risk from floods fueled by the climate crisis

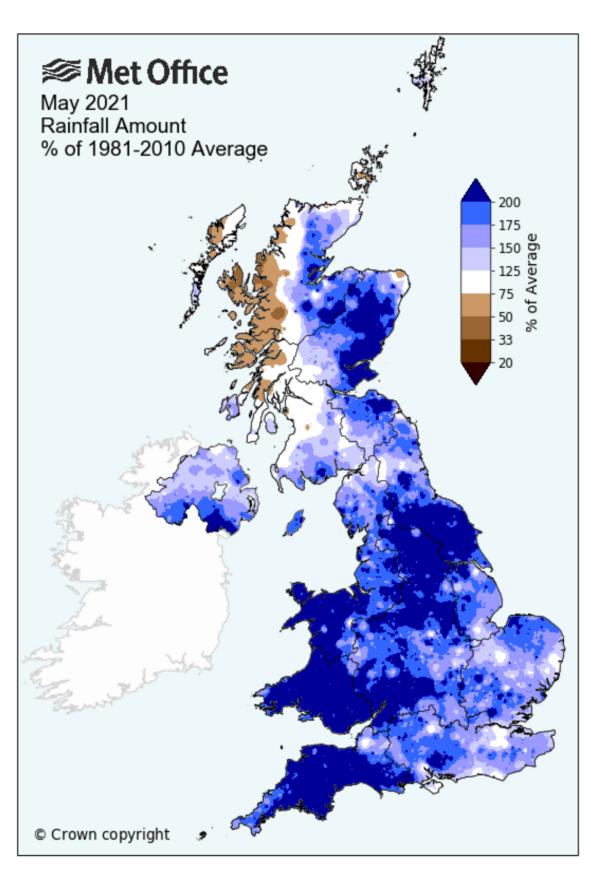


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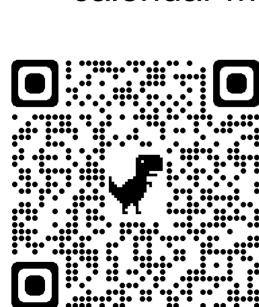
### Unpredictable weather = unpredictable food supply



May 2020 becomes the sunniest calendar month on record



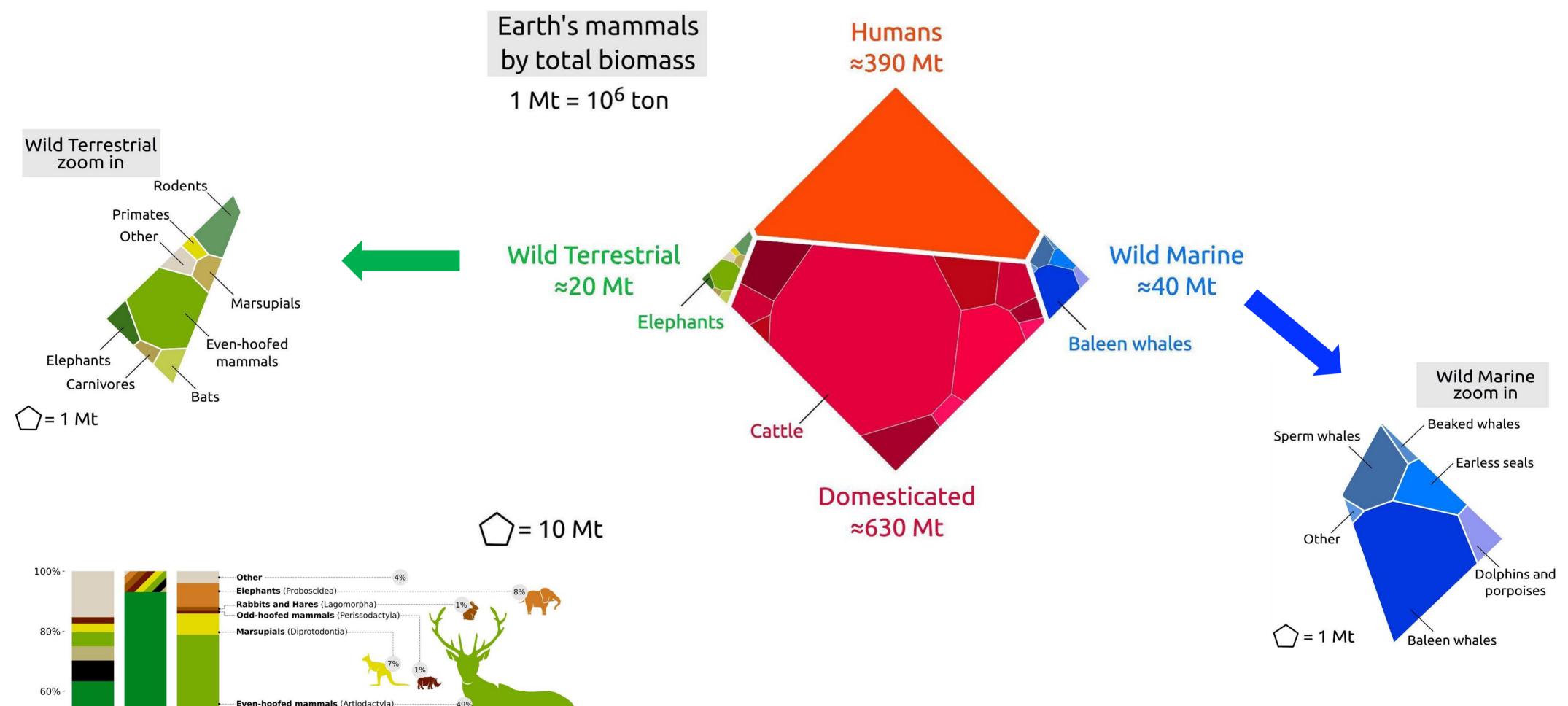
May 2021 Wales' wettest in 160 years



UK potato farmers fear another washout UK drought: Why we need to get used to wonky vegetables UK sees significant drop in yield across all major crops Drought will cause crop failures in Spain, farmers warn in 🗷 🖨 🗸

Scan for Met Office climate impacts research

## Domestic species compete with wild mammals for Earth's resources



Bats (Chiroptera)-

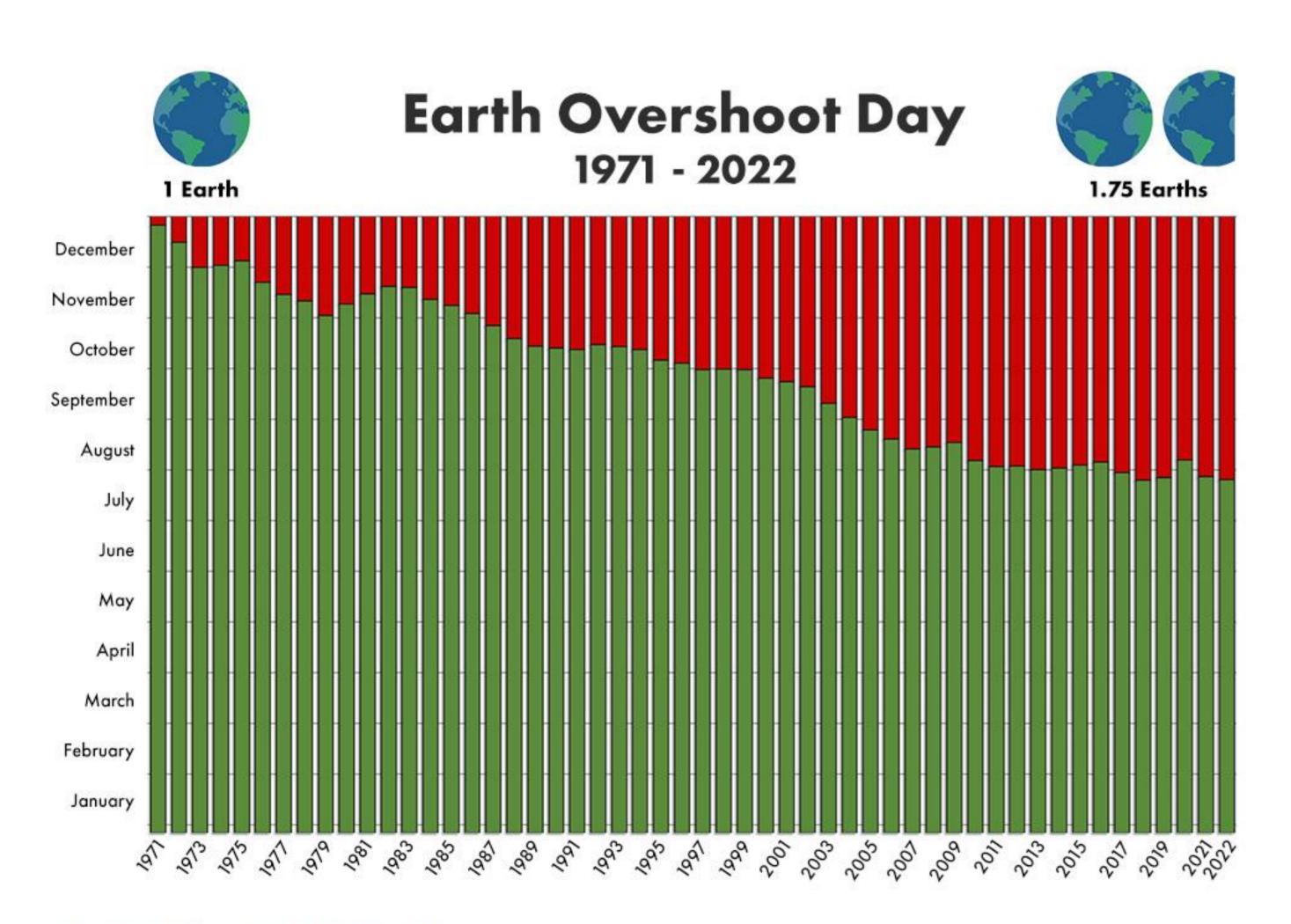
Rodents (Rodentia)

Species Individuals Biomass

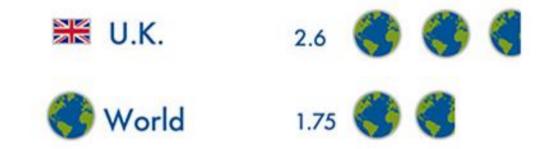
Source: Research published in *The Proceedings* of the National Academy of Sciences
Scan for article →



## We are depleting our resources and Earth's capacity to regenerate at an alarming rate



How many Earths would we need if everyone lived like UK residents?



How many Earths does the UK need to meet its residents' demand on nature?







Source: National Footprint and Biocapacity Accounts 2022 Edition data.footprintnetwork.org







