



HOW ARE CHANGING GEOPOLITICAL & CLIMATE RISKS SHAPING THE DRIVE FOR NET-ZERO?



Energy Transition
Summit 2024



John Gibbons

— *Presenter* —

Writer & Commentator on Climate & Environment



@think_or_swim



thinkorswim.ie



Energy Transition
Summit 2024



John Gibbons

Presenter

theguardian

 Irish Examiner


TELEVISION

THE LAST
WORD
WITH MATT COOPER

THE IRISH TIMES

Business Post

The Journal



DESMOGUK

CLEARING THE PR POLLUTION

The Currency.

THE PHOENIX 

VILLAGE

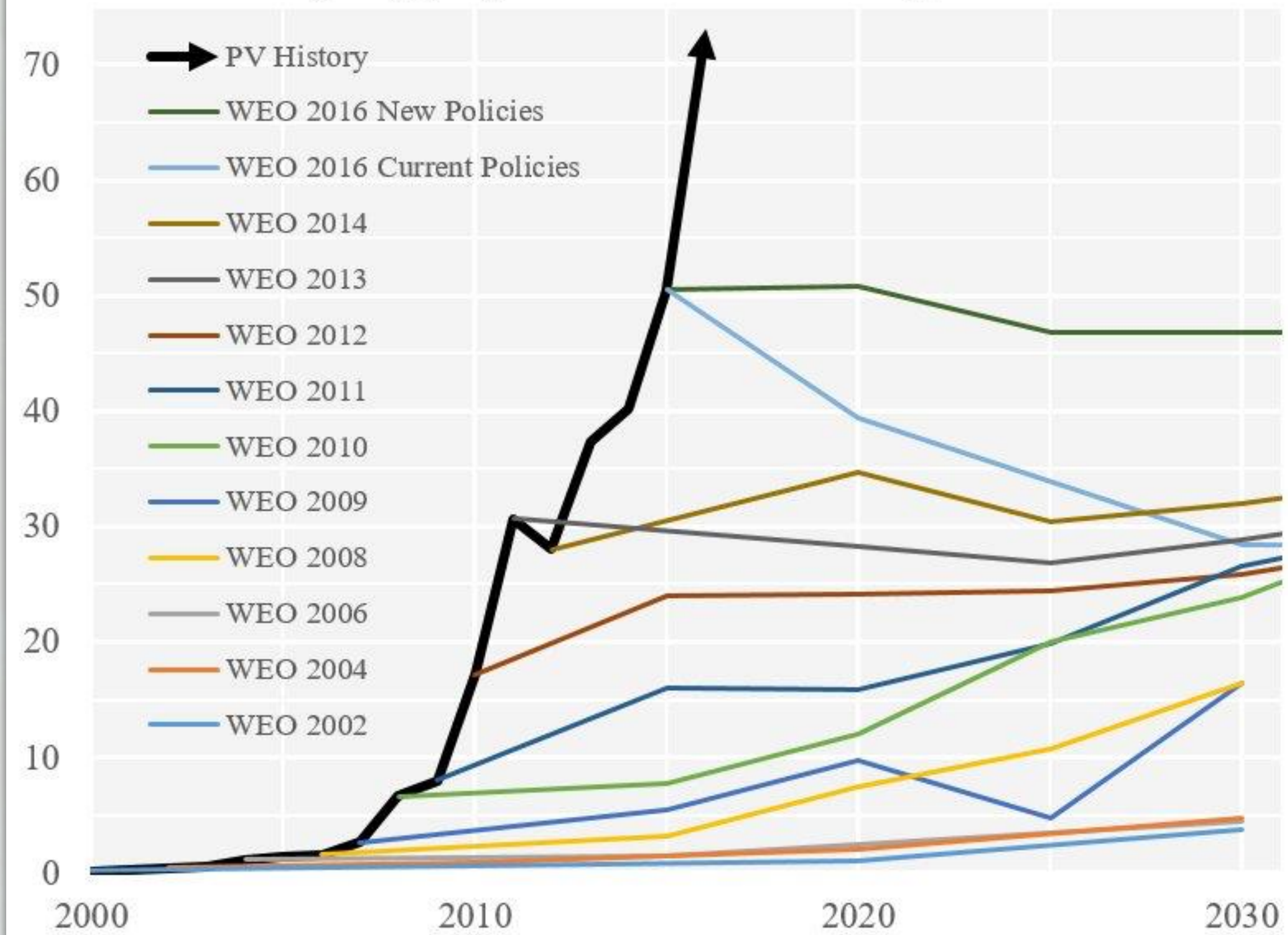
THE TIMES 
THE SUNDAY TIMES
IRELAND EDITION

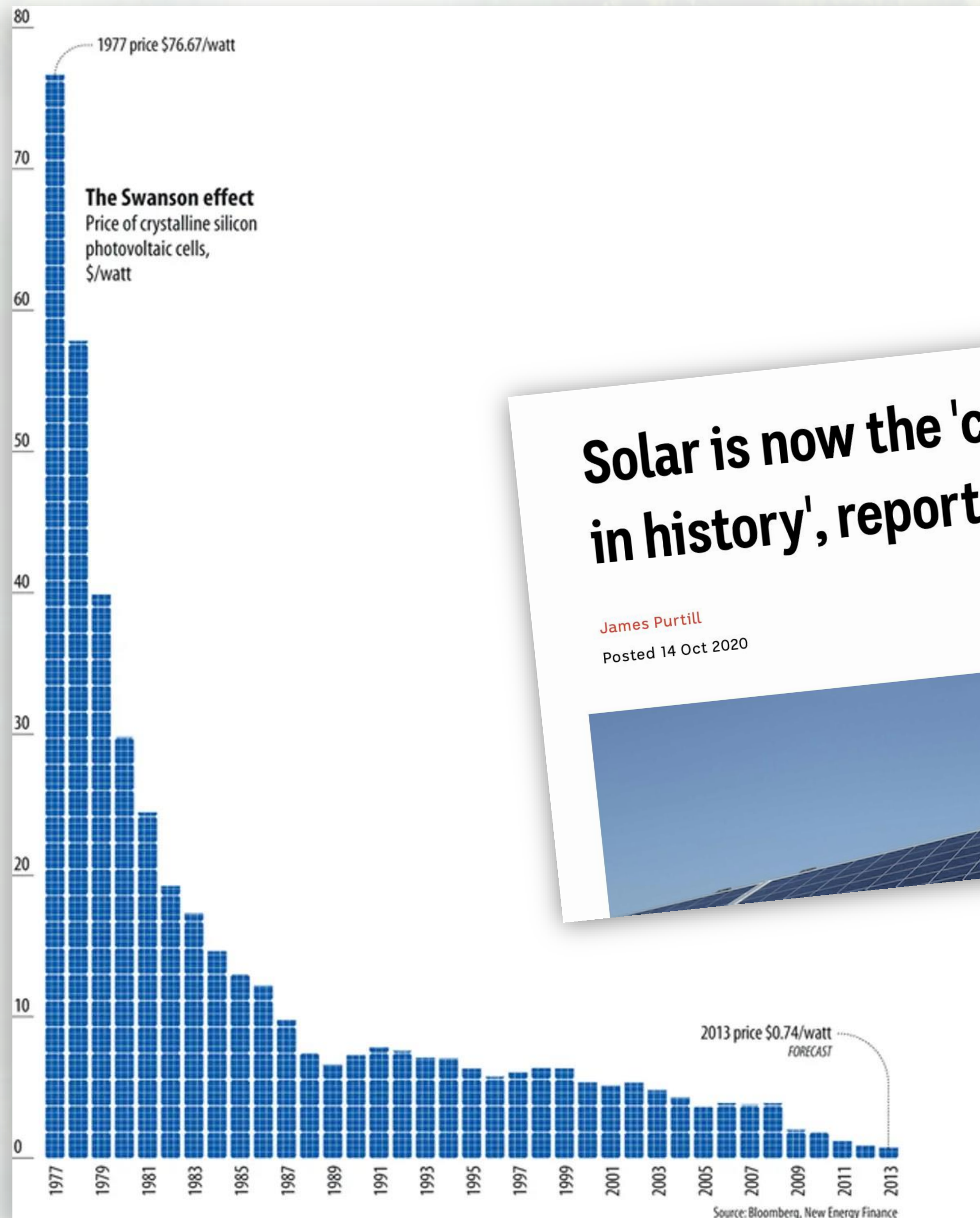


**“Human history becomes more
and more a race between
education and catastrophe”
– H.G. Wells**

Annual PV additions: historic data vs IEA WEO predictions

In GW of added capacity per year - sources World Energy Outlook and PVMA





Solar is now the 'cheapest electricity in history', report says

James Purtil
Posted 14 Oct 2020



07 Jun 2024, 12:00 [Milou Dirx](#), [Julian Wettengel](#) | EU

Right-wing populists challenge Europe's climate efforts

f X in

#Climate & CO2 #EUElections2024 #EU



Why Europe's farmers are protesting - and the far right is taking note

For some farmers already struggling, paying for more of their pollution is a step too far. Germany is the latest country to see anger boil over

Farmers' protests against measures designed to reduce their pollution are a step too far. Parties worried that populists could manage to exploit a

How a Climate Backlash Influenced Campaigning in Europe

After years of... energy, a 'green'... ing candidate

SOCIETY | GERMANY

Germany's far right exploits farmers' protests

Hans Pfeifer
01/08/2024

Farmers' protests have a long tradition in Germany, and on Monday, there were deliberate attempts by right-wing extremists to use farmers' anger for their own ends.

f X

on 2024 War in Ukraine

RICULTURE AND FOOD

German farmer protests spark fears of far-right infiltration

Authorities warn that radical groups aim to trigger a broader movement.

Environmental activism

How criminalisation is being used to silence climate activists across the world

Guardian investigation finds growing number of countries passing anti-protest laws as parliamentarians try to intimidate people peacefully protesting

Environmental activism

Threats to Germany's climate campaigners fuelled by politicians' rhetoric, says activist

Luisa Neubauer, of the German Green Party, says politicians' rhetoric is fuelled by fear

Environmental activism

Human rights experts warn against European crackdown on climate protesters

UK has led the way, with countries across the continent making mass arrests, passing draconian new laws and labelling activists as eco-terrorists

language used by the

EXPOSED: Climate change fanatics who are plotting to blockade Britain's refineries, fuel trucks and petrol stations next month in sinister bid to bring down our oil network

- Activists for Just Stop Oil intend to block oil refineries, motorways and petrol station forecourts in protest of fossil fuel production over two weeks

Climate fanatics are 'totally wrong' about rainforest

THE world's leading climate change group was mired in further controversy yesterday after one of its own scientists said another of its global-warming claims was "totally wrong".

Nelson: So much hot air among climate fanatics

Adalyn White • January 27, 2023



HOME NEWS SHOWBIZ & TV SPORT COMMENT FINANCE
GARDEN STYLE LIFE PROPERTY HEALTH FOOD TECH CARS DIETS

Home > Life & Style > Cars

'Stand up to the climate fanatics': Ministers call to scrap 2030 petrol and diesel car ban

have come out to condemn the 2030 ban on new fossil fuelled

An Epic Communications Failure

Scientists v Media Coverage v Public Perception

PUBLIC PERCEPTION

Are the public convinced?

YES
26%

of people believe
global warming
is happening
and humans
are causing it

NO
74%

of people are not
convinced or deny
humans are causing
global warming

A recent poll by the BBC's *Populus* suggests that since the 'strategist' coverage in the media there has been an increase in the amount of people sceptical about man-made global warming. However, the scientific consensus has not changed over this period (BBC News).



Media coverage of global warming is not 'balanced'
and is affecting public opinion throughout the world



In the End, Climate Change Is the Only Story That Matters

To pretend otherwise is just to build the walls of your sandcastle higher.

Bloomberg

Subscribe



Opinion | Ruth Pollard and David Fickling
India's Heatwaves Are Testing the Limits of Human Survival

Each summer in India is a fresh roll of the dice on whether to a vast nu

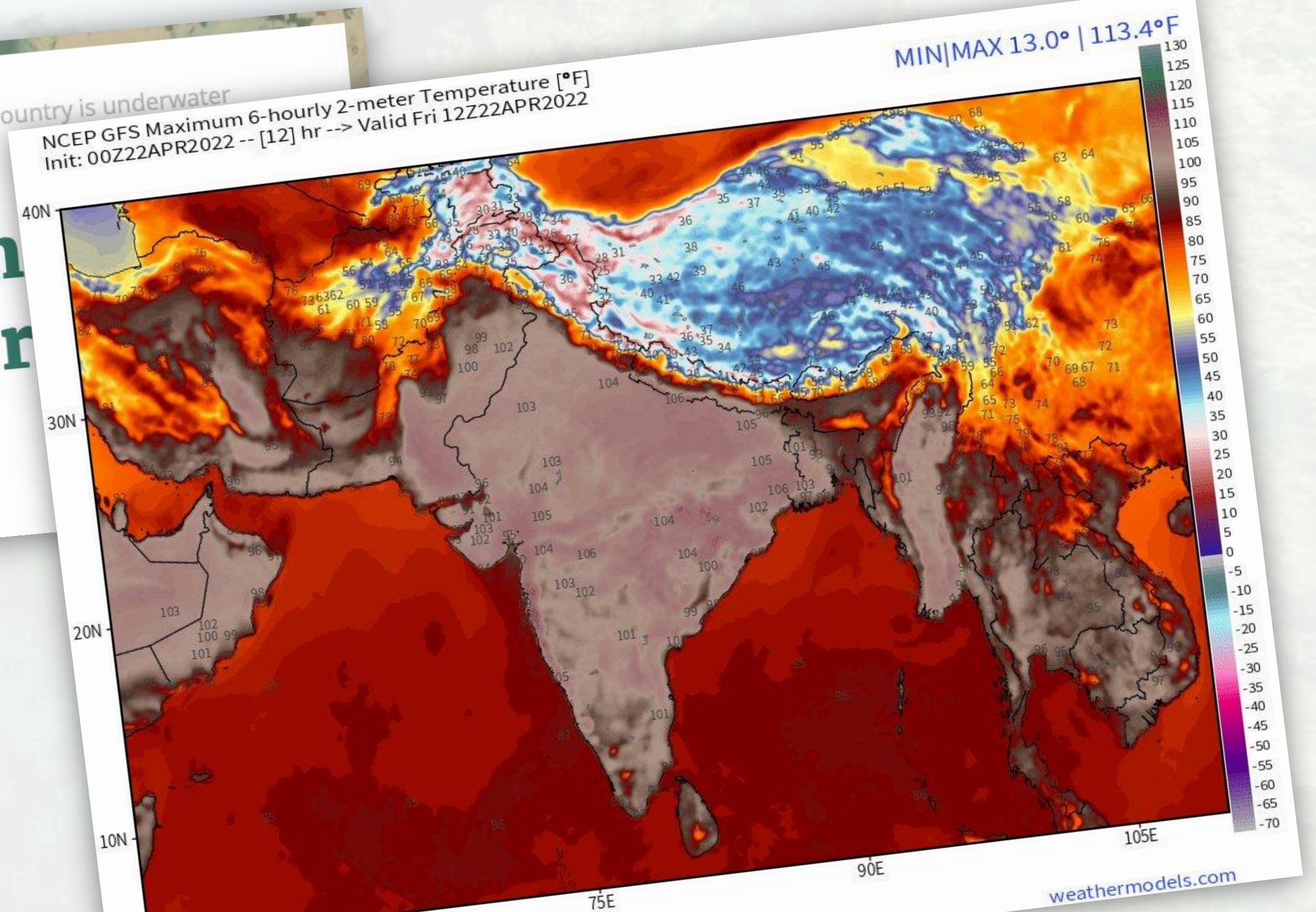
Home > Open Access News > Environment News > Pakistan climate change: One third of the country is underwater

Open Access News Environment News

Pakistan climate change: One third of the country is underwater

September 2, 2022

NCEP GFS Maximum 6-hourly 2-meter Temperature [°F]
Init: 00Z22APR2022 -- [12] hr --> Valid Fri 12Z22APR2022





Macro Matters

Deadly floods add to fiscal strains in central Europe

By Jan Lopatka, Karl Badohal and Gergely S

September 20, 2024 12:55 PM GMT+1 · Updated 5

NEWS / WEATHER NEWS

Entire city evacuated after floods, 7 die in wildfires as extreme weather sweeps Europe

Swaths of Europe have been battered by dead threaten to burst their banks in central Europe and wildfires tear through Portugal.

By Niamh Kennedy, Lauren Kent, Vasco Cotovio and Catherine Ni
Published Sep 18, 2024 3:10 PM IST | Updated Sep 18, 2024 3:10 PM IST



News
European Parliament



[Press room](#)

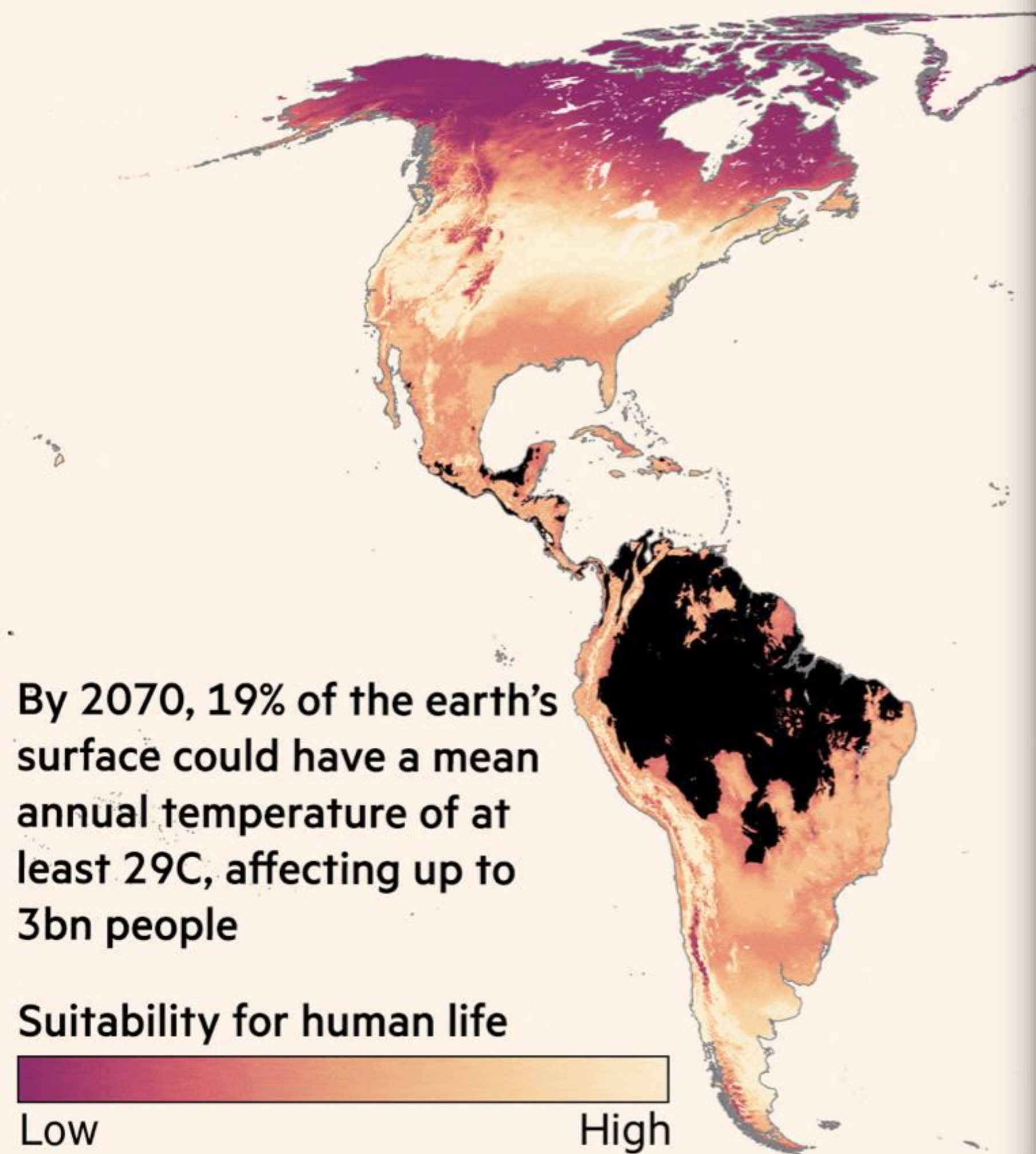
Parliament reacts to recent extreme weather events in Europe

Press Releases **PLENARY SESSION** **ENVI** 19-09-2024 - 12:46

- More funding needed to strengthen EU preparedness and response to natural disasters
- EU to enhance adaptation and resilience in line with the Climate Law and the Paris Agreement
- In past 30 years, floods affected 5.5 million people, caused 3,000 deaths, and more than EUR 170 billion in economic damage

**Greatest global geopolitical
risk of the 21st century?**

FORCED CLIMATE MIGRATION

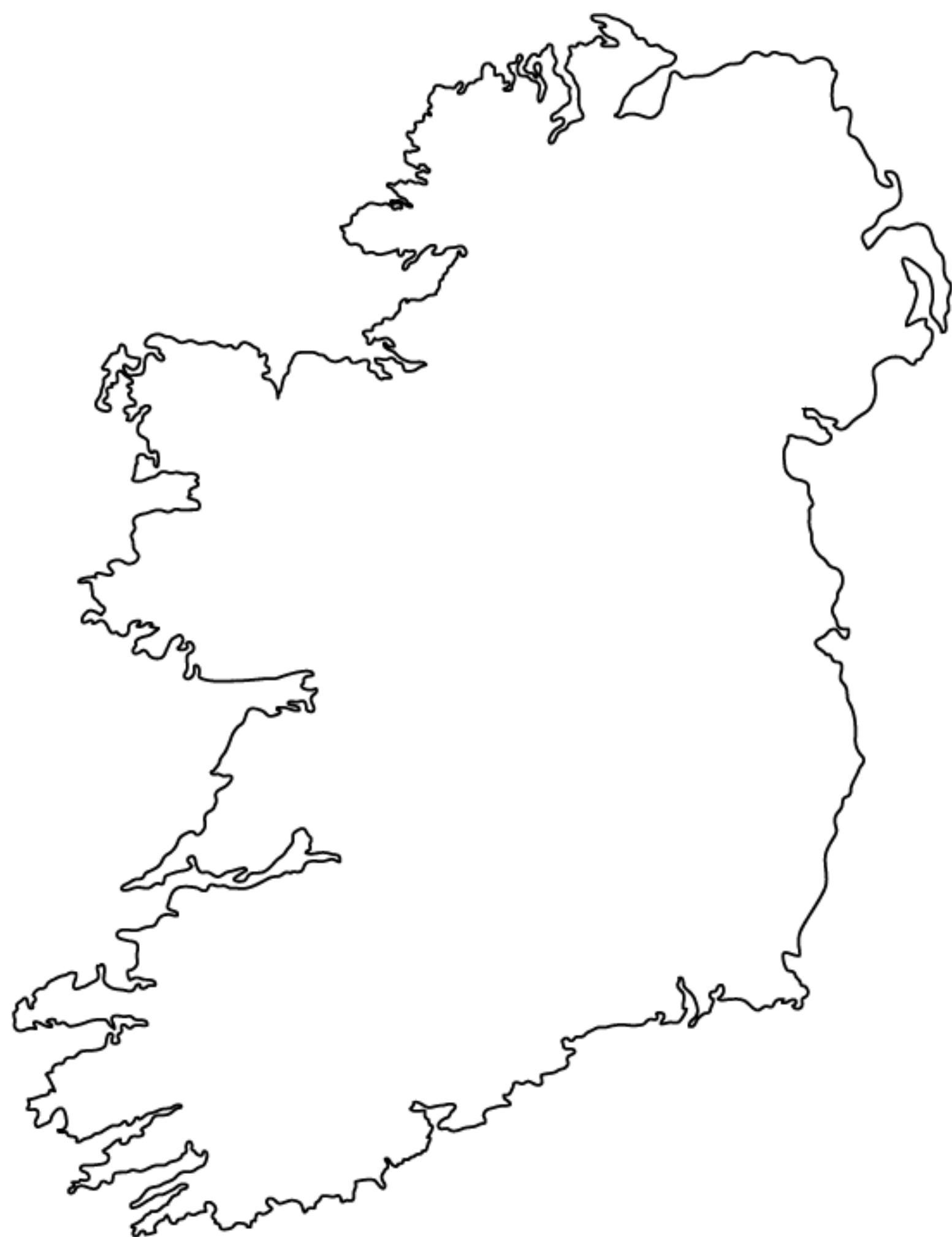


Source: Xu, C et al. *Future of the human climate niche*
© FT



UNLIVABLE HEAT

BY 2070



X 500

HOMEPAGE / NEWS

Irish tourism could benefit from global warming, new report finds

A steady rise in global warming could be bad for the planet but have positive benefits for the **Irish tourism industry**, according to a new EU report.

The research on the impact of **climate change** on regional tourism across the EU forecasts tourist numbers in Ireland could increase by more than 9% on current levels if there was an average increase in temperatures of 4C.

the projected growth in visitors could reach

Climate crisis

We asked 380 top climate scientists what they felt about the future

"We live in an age of fools" Anonymous Source

"I won't"

They are terrified, but determined to keep fighting. Here's what they said



A TALE OF TWO **HEATWAVES** 1976 ... 2022

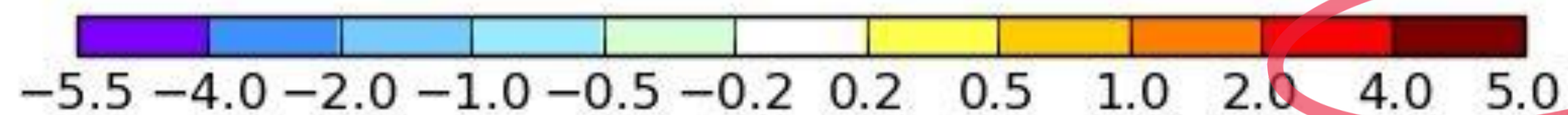
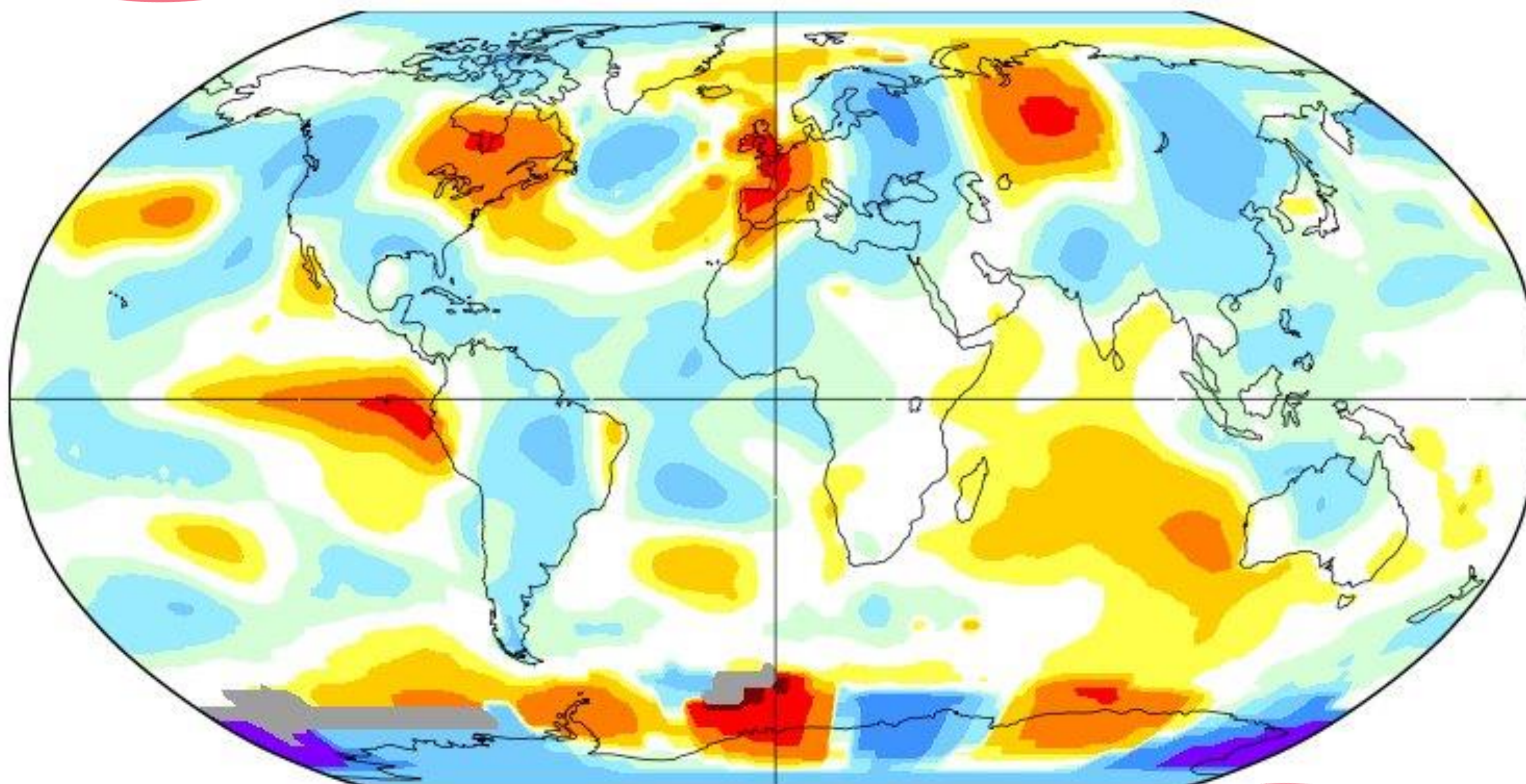


THINKORSWIM
thinkorswim.ie

June 1976

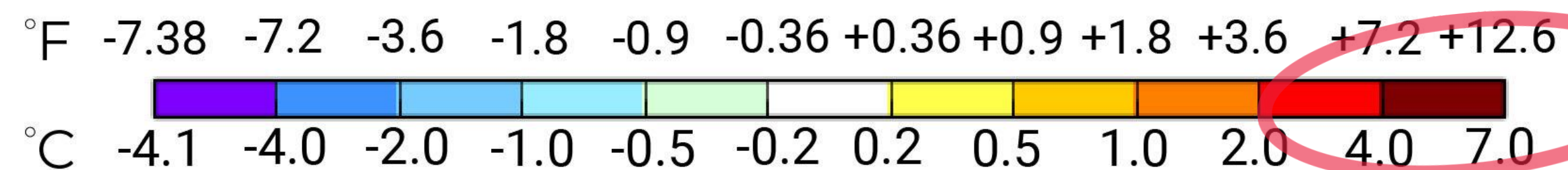
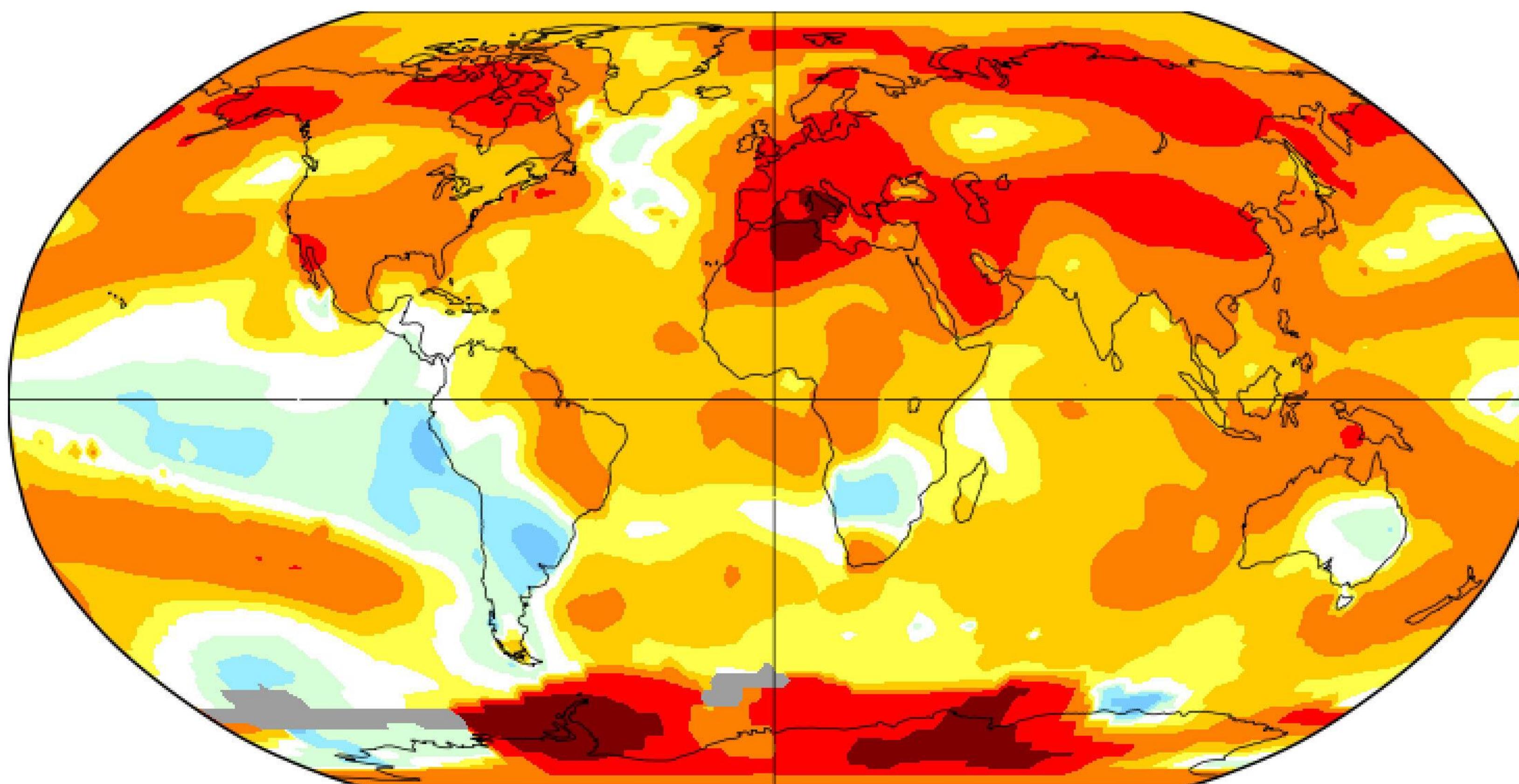
L-OTI(°C) Anomaly vs 1951-1980

-0.15



June 2022

Global Average Temperature Changes (June): 0.93°C/1.67°F



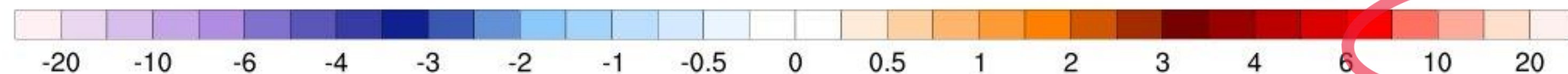
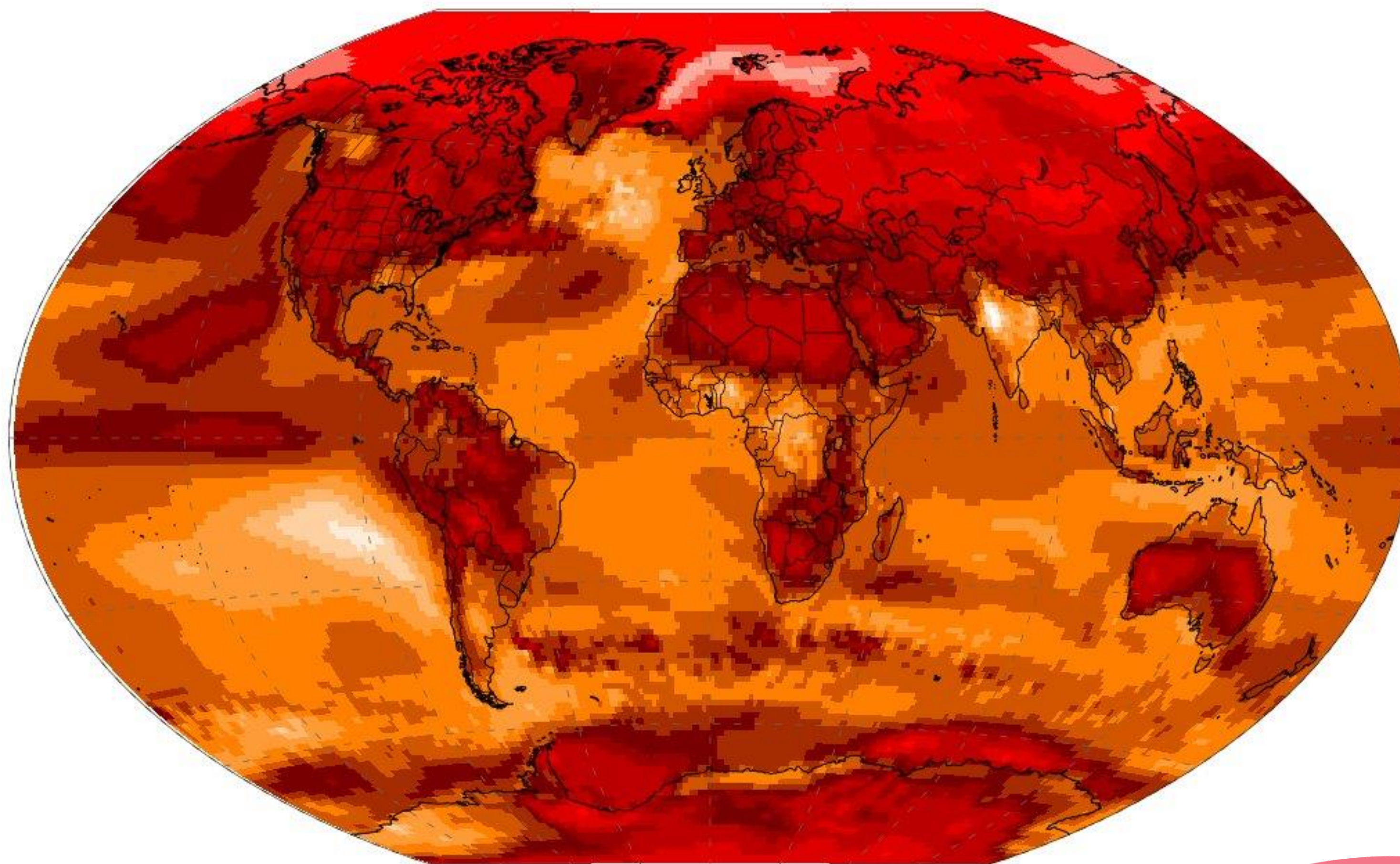
Notes:

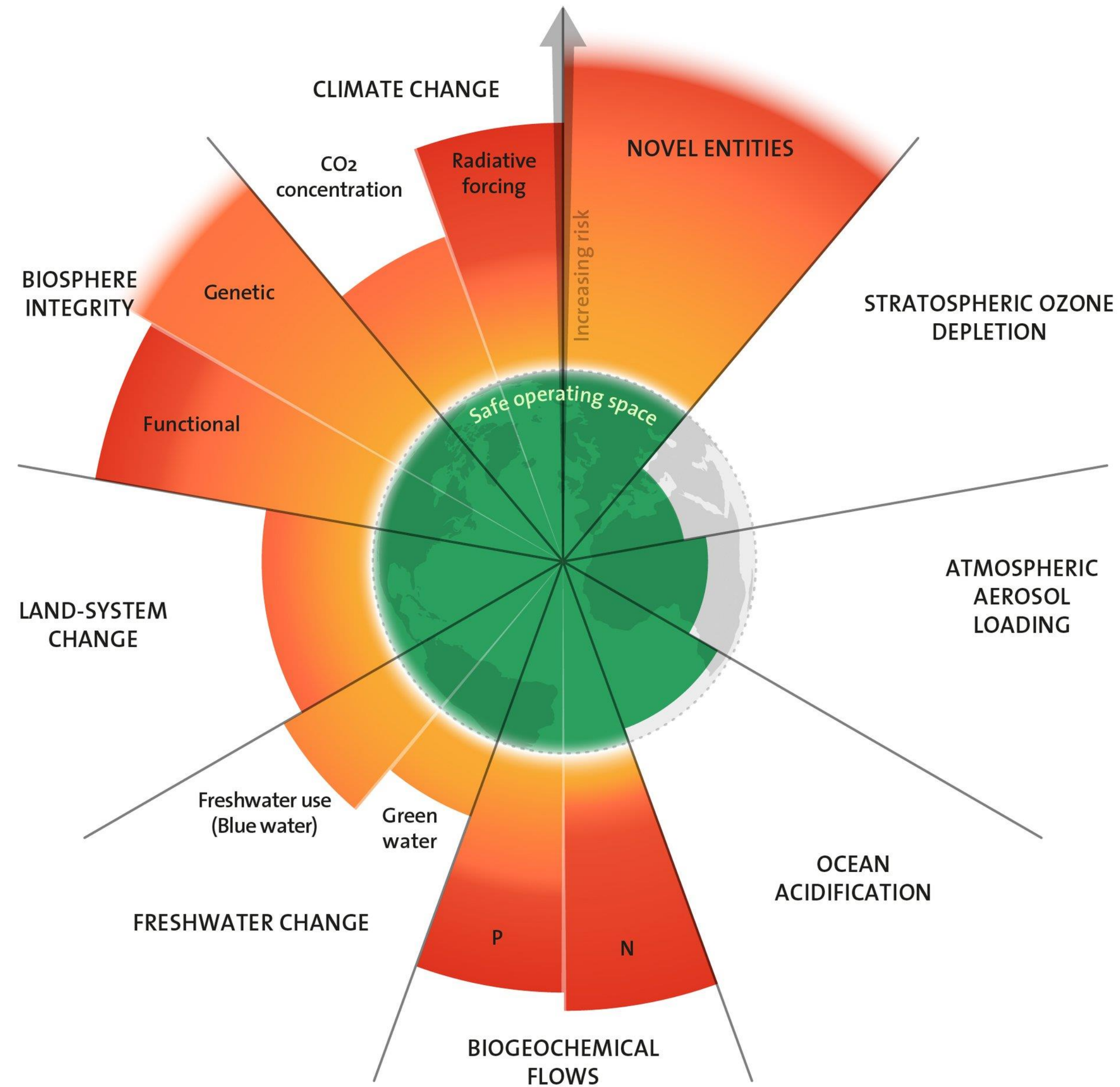
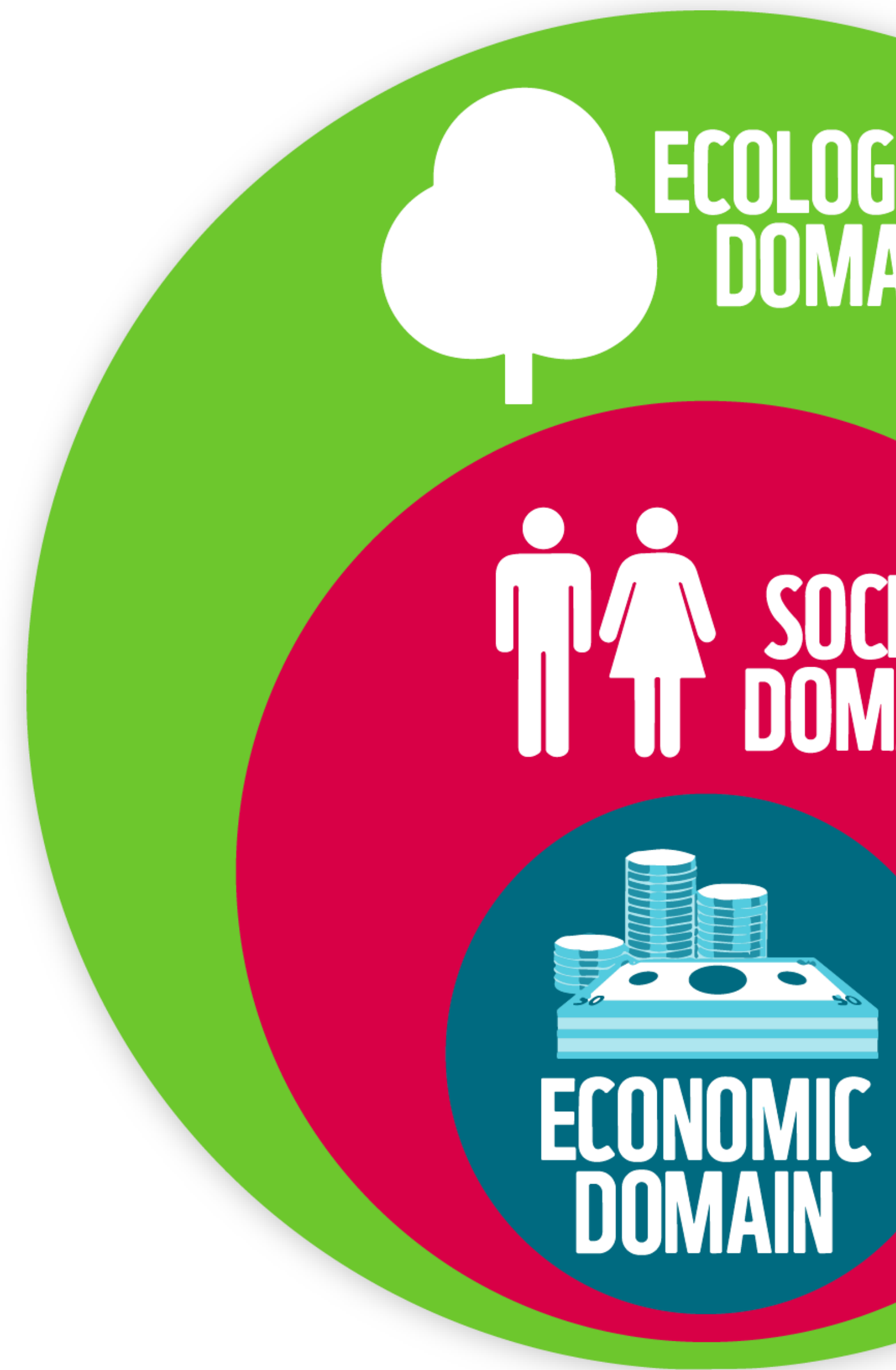
2075 with 50 years warming (mid-range RCP 4.5)

2m Temperature Anomaly (°C)

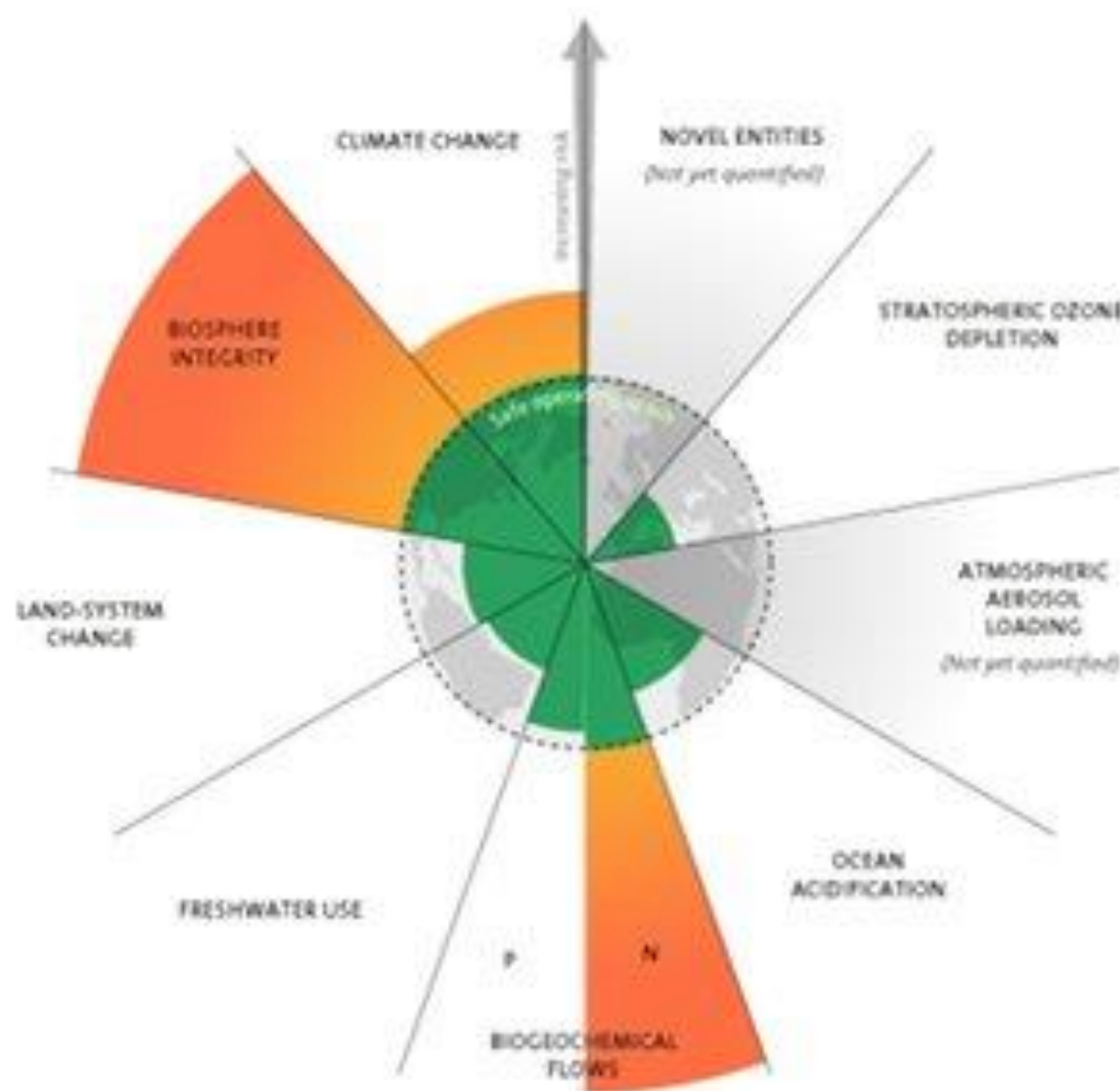
Climate Year (Dec-Nov) 2075 - 1852-1900

CMIP6 SSP245 Ens Avg (1mem)



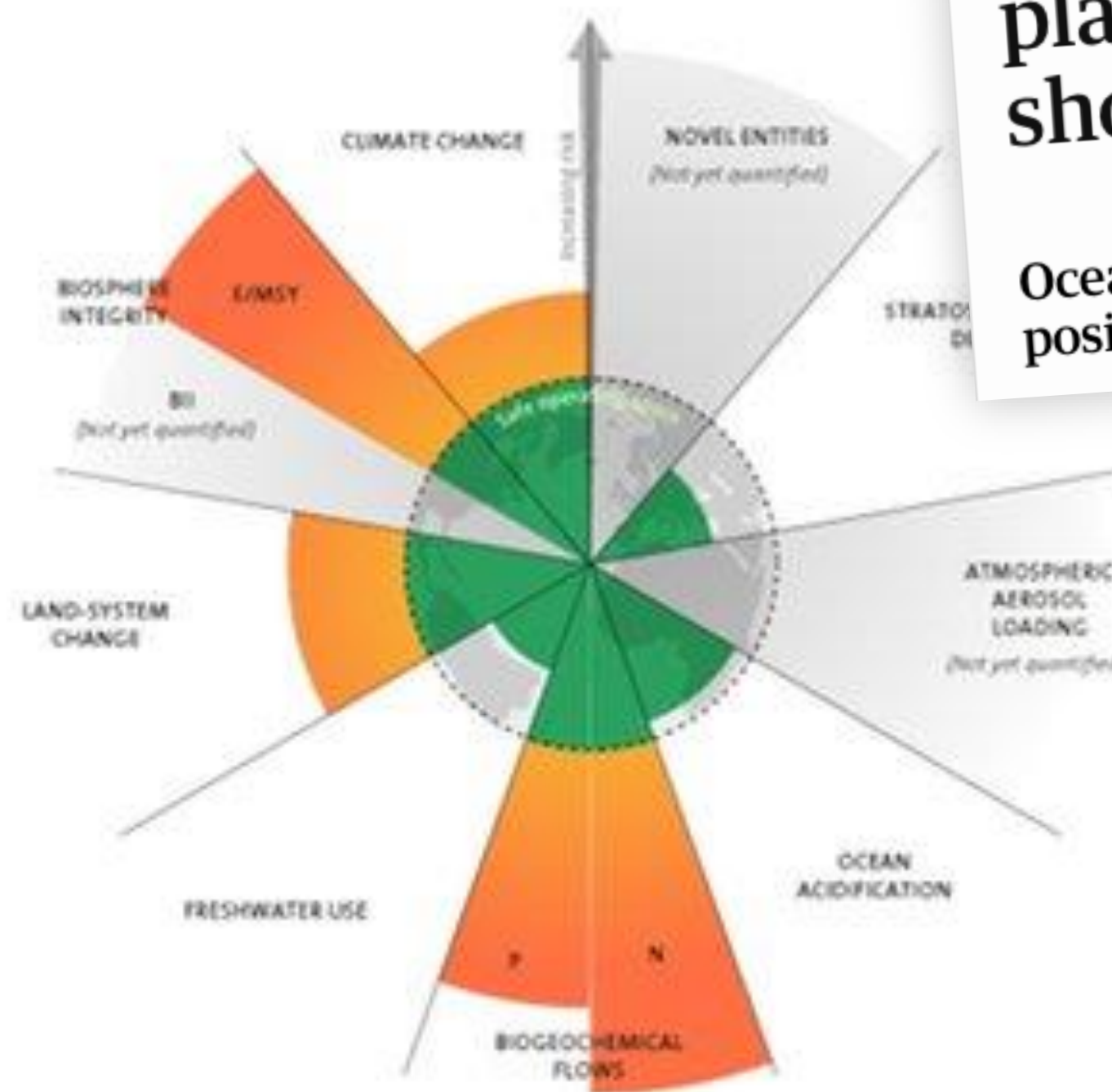


2009



3 boundaries crossed

2015

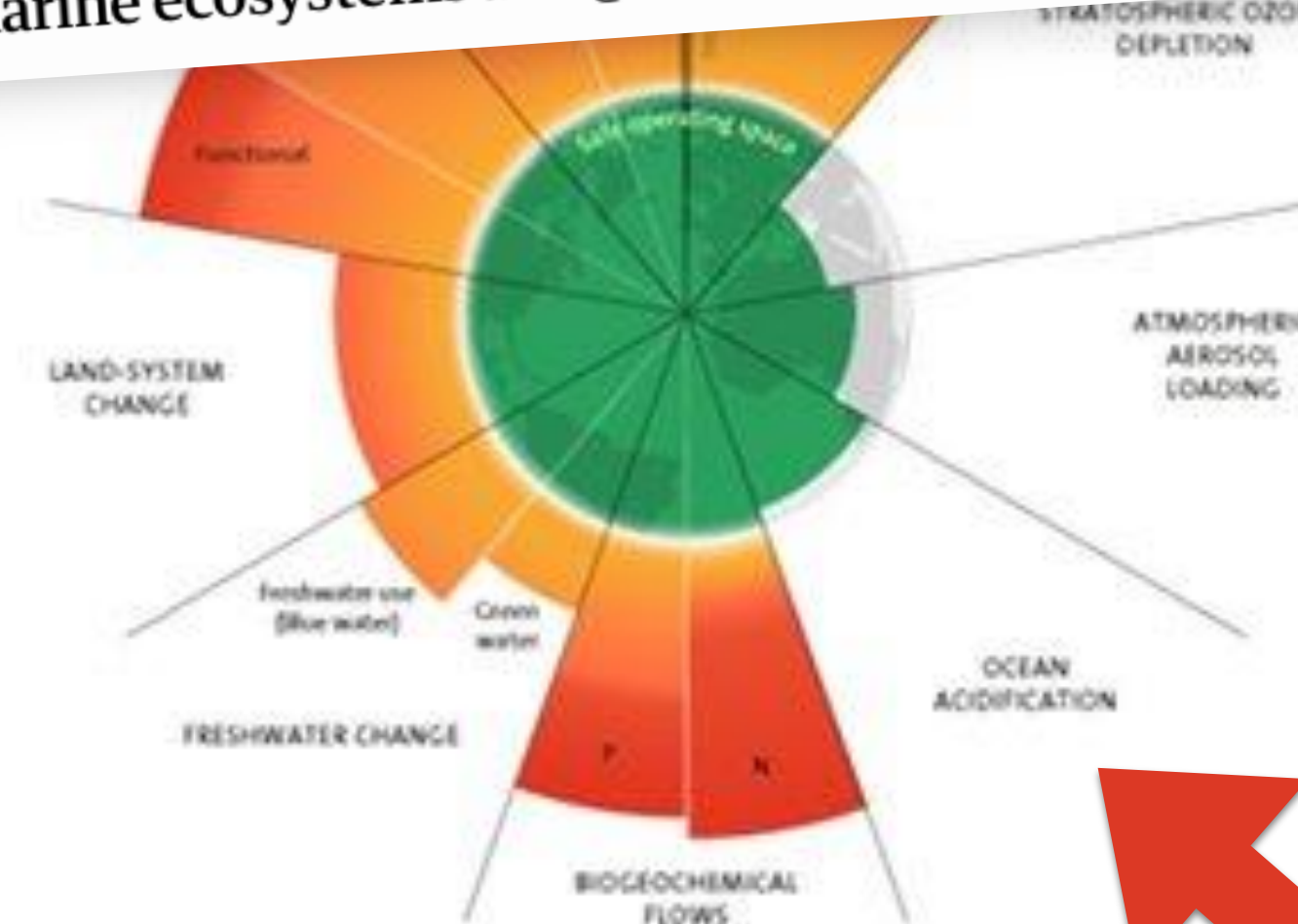


4 boundaries crossed

Oceans

Earth may have breached seven of nine planetary boundaries, health check shows

Ocean acidification close to critical threshold, say scientists, posing threat to marine ecosystems and global liveability



6 boundaries crossed

'Climate breakdown': 2023 likely to be hottest year humanity has experienced

2023 is likely to be the hottest year in human history, and global temperatures during the Northern Hemisphere summer were the warmest on record, scientists said on Wednesday.

Climate > News

Issued on: 06/09/2023 - 10:07 Mod

Almost all safe and just Earth boundaries now breached, say scientists

Dramatic climate action needed to curtail 'crazy' extreme weather

Heatwaves, wildfires and floods are just the 'tip of the iceberg', leading climate scientists say

'Off-the-charts records': has humanity finally broken the climate?

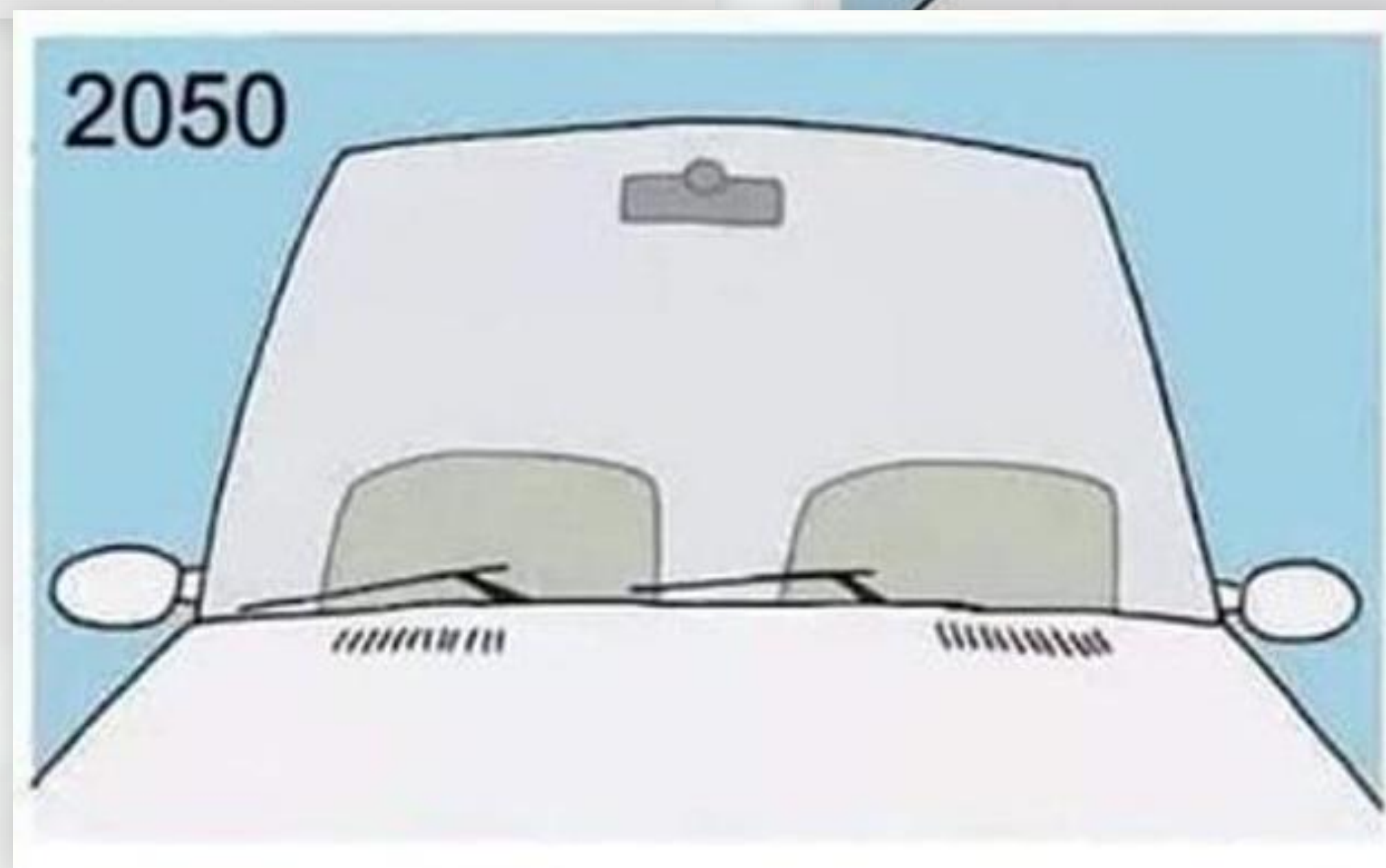
Extreme weather is 'smacking us in the face' with worse to come, but a 'tiny window' of opportunity remains to avert disaster, scientists say



Private jet service for pets to add Dublin route

Very important pets can travel on their owners' laps

Heatwaves...
Justice
**Climate Change is Driving
Precipice of a 'Raging Food Catastrophe'**
Horn of Africa, a climate change-induced drought is exposing
food system and pushing humanitarian aid to a



'Nature has more or less collapsed in Ireland'

Updated / Wednesday, 20 Feb

Ireland's biodiversity needs intensive care

Earth's organs are showing signs of failure and the prognosis could not be more serious

The Irish Times view on biodiversity collapse: we're running out of time

A radical cultural shift is required, starting with an end to the model of infinite growth in consumption

© Wed, May 8, 2019, 00:10



Third of Irish rivers and a quarter of lakes fail water quality standards

Nitrate concentrations above drinking water standards pose a risk to human health

Loss of Ireland's biodiversity is accelerating - and we're missing the chance to halt it

Noteworthy reveals virtually no protected sites have management plans and Ireland is moving further away from a target for effective nature conservation.

○ Selected Natura 2000 nodes

— Potential corridors

Ecological integrity

Higher

Lower

RTÉ

NEWS

SPORT

ENTERTAINMENT

BUSINESS

LIFESTYLE

CULTURE

PLAYER

TV

RADIO

NEWS

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Stardust

Ukraine

Climate

Politics

Nu

Citizens' Assembly urges State to enforce biodiversity laws

Updated / Wednesday, 5 Apr 2023 20:07



Science

Biodiversity crisis: Time to stop all developments on special areas of conservation

Climate Crisis

Ireland's natural environment facing 'devastating' biodiversity loss, TDs told



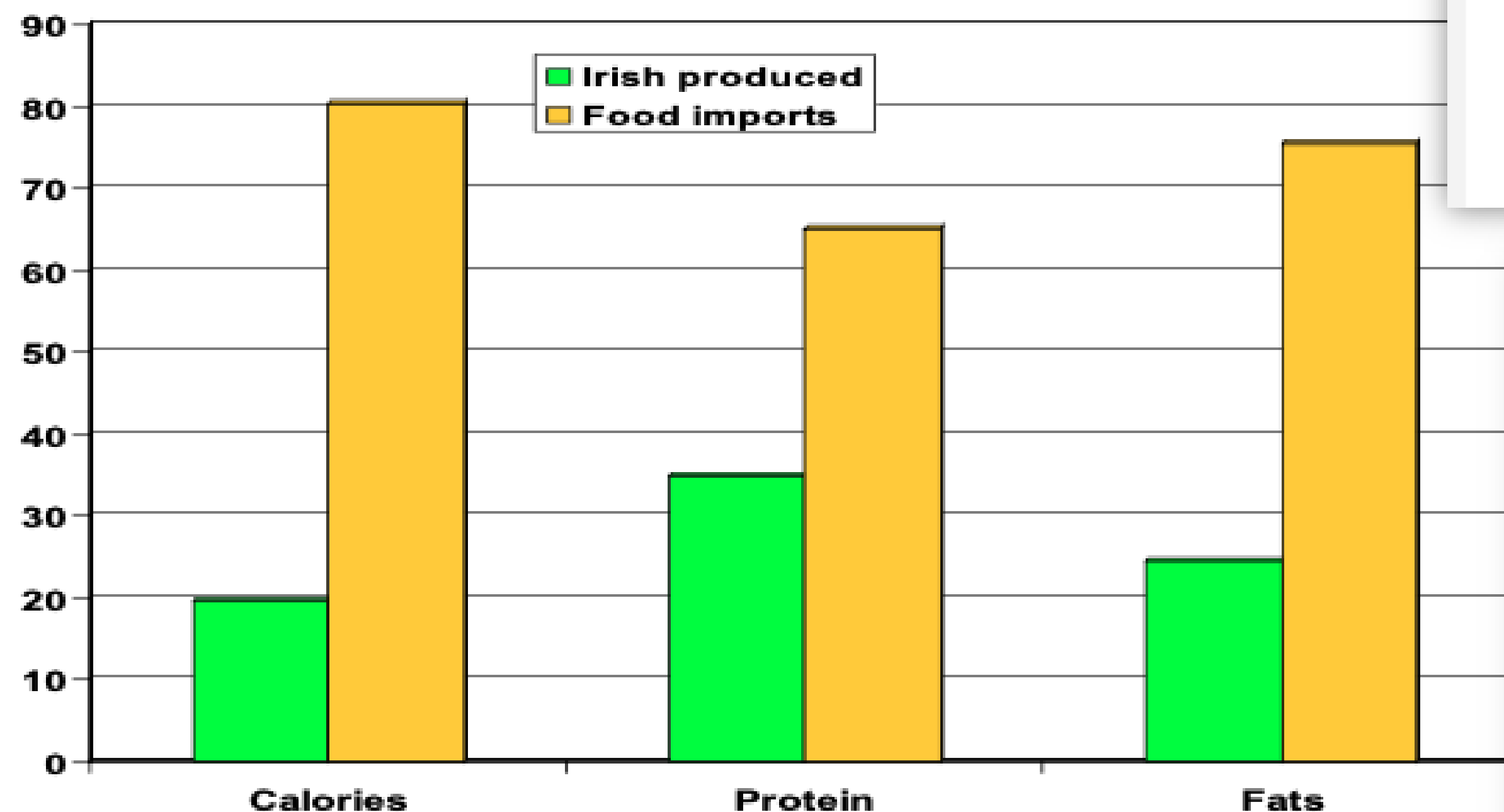
**Ireland's No. 1 geopolitical
risk in the 21st century?**

FOOD INSECURITY

Ireland has been net importer of food since 2000, UN data reveals



Jamie Ball
May 26, 2016 2:53 pm



Irish food self sufficiency 2017, by percentage (calculations by author)

Irish agriculture the least climate-efficient in Europe, study finds

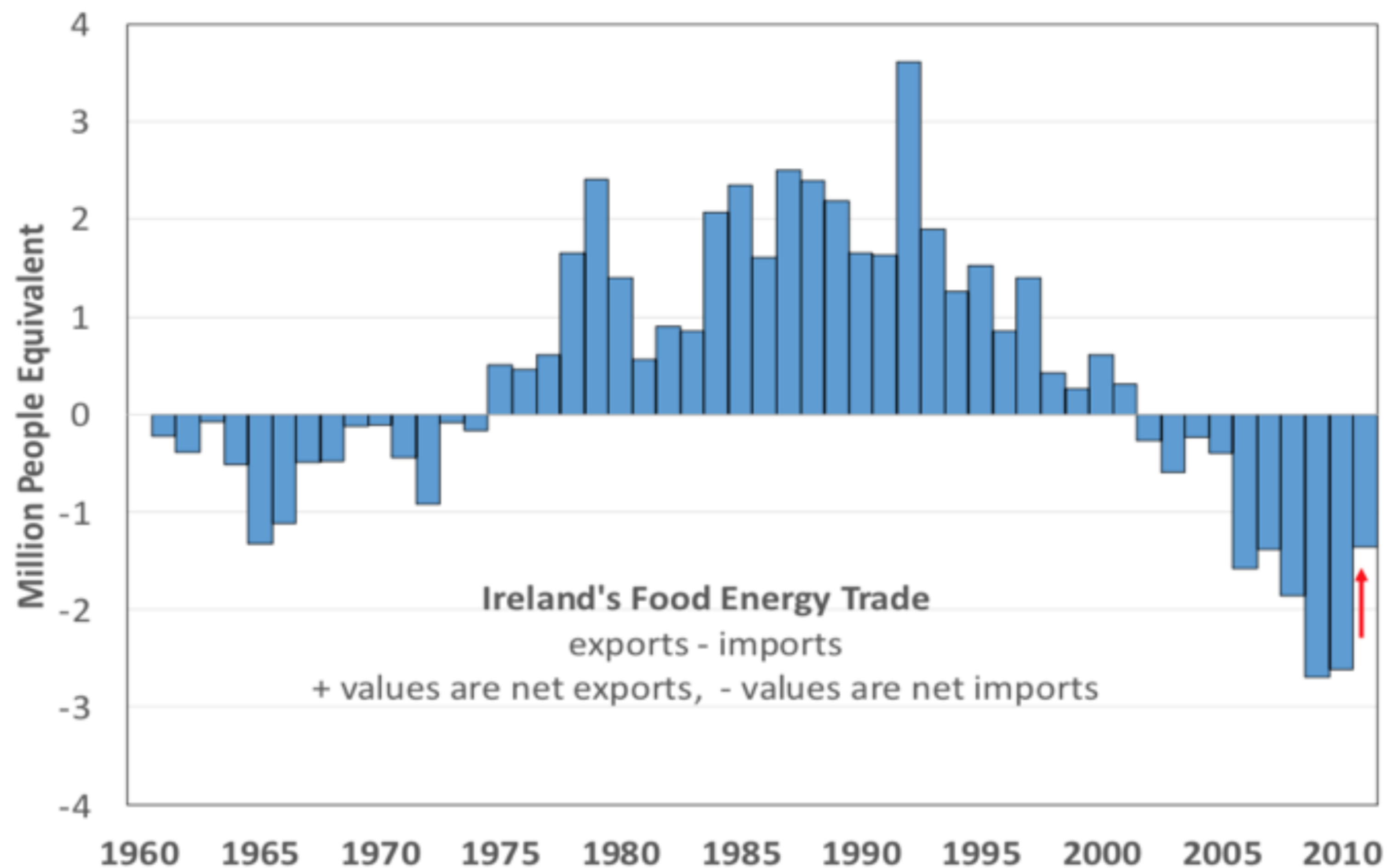
EU research reveals Ireland has highest greenhouse gas emissions per euro of output

© Sat, Apr 1, 2017, 07:00

Eoin Burke-Kennedy



Ireland's net food imports could feed 1.4 million people



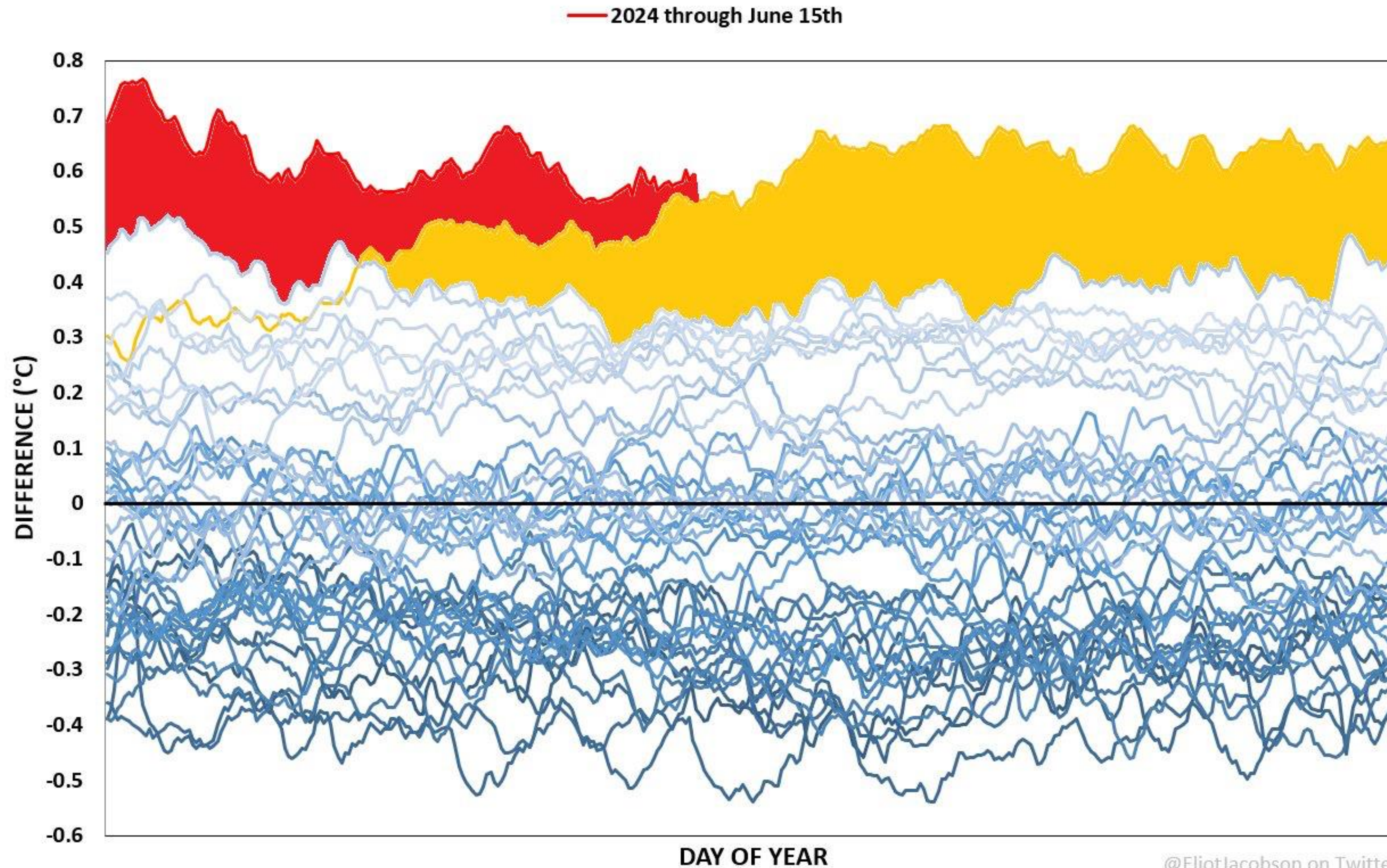
“But is ManBearPig REAL?”



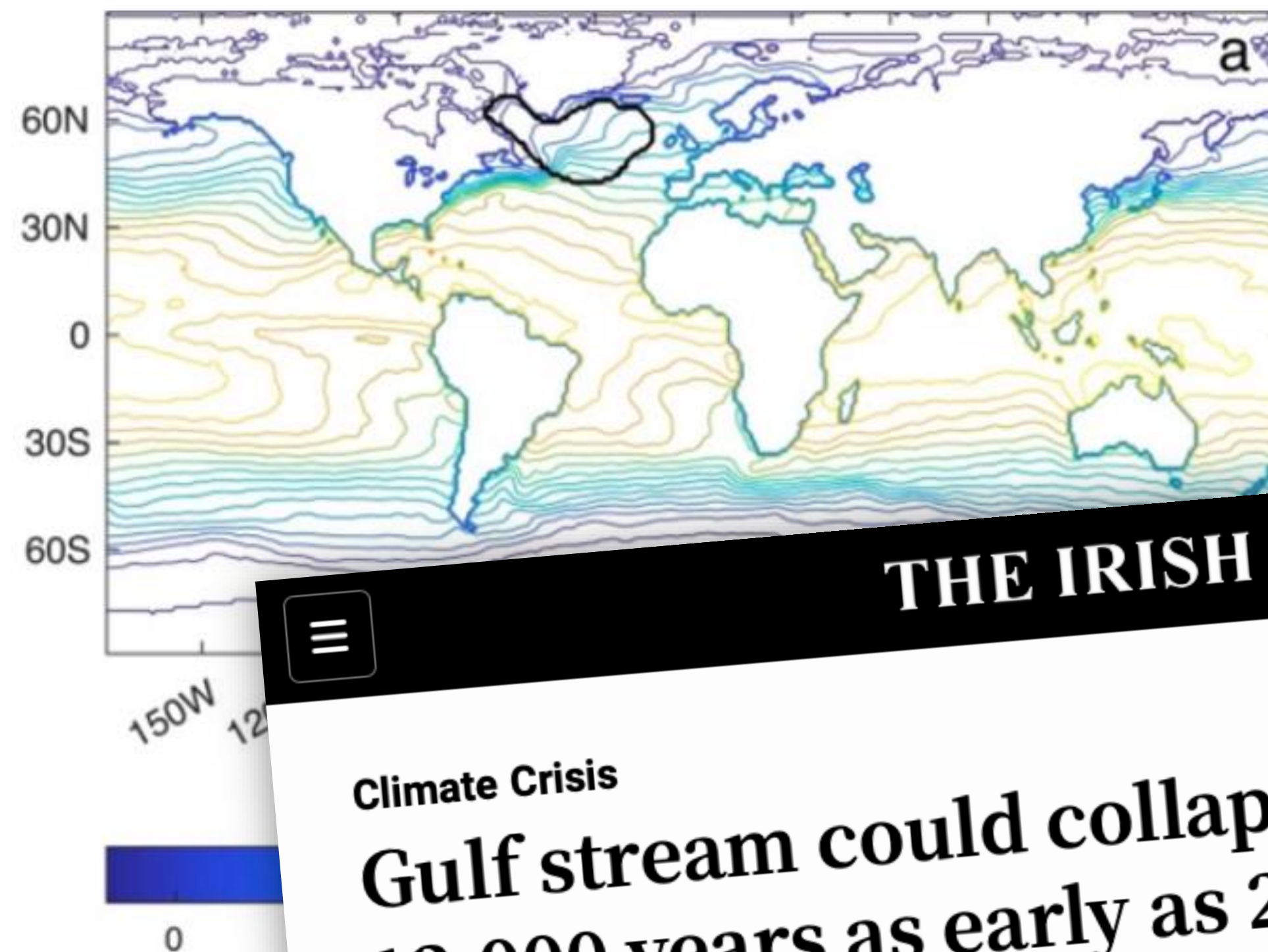
Global Sea Surface Temperature Anomaly: 1982-2024

(Difference from 1991-2020 Mean)

Data: https://climateranalyzer.org/clim/sst_daily/json/oisst2.1_world2_sst_day.json



The AMOC Gulf Stream current may collapse as soon as 2025, says study



The AMOC transports warm water from the equator to the north, where it flows as soon as 2025, which would usher in a new ice age in northern Europe.



By bne IntelliNews July 30, 2024

Climate Crisis

Gulf stream could collapse for first time in 12,000 years as early as 2025, study suggests

New analysis estimates timescale for collapse between 2025 and 2095, with central estimate of 2050

A new study predicts the [AMOC](#) (Atlantic Meridional Overturning Circulation), a oceanic current that brings warm water to the northern Atlantic, could collapse as soon as 2025, ushering in a new ice age in northern Europe.

REVOLUTION!

REDUCE



RE-USE

The 3 stages of grief

i) Despair

ii) Accept

iii) Act !





John Gibbons

— *Presenter* —

Thank You!



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