Was, wenn die Klimakatastrophe eintritt?

Klimapolitischer Stammtisch mit Gerriet Schwen

29. April 2026 von 19 bis 21 Uhr | Kulturfabrik Krawatte Barsinghausen
Basche erneuerbar & Naturfreunde Barsinghausen

Fahrplan

19 Uhr Willkommen & Orientierung

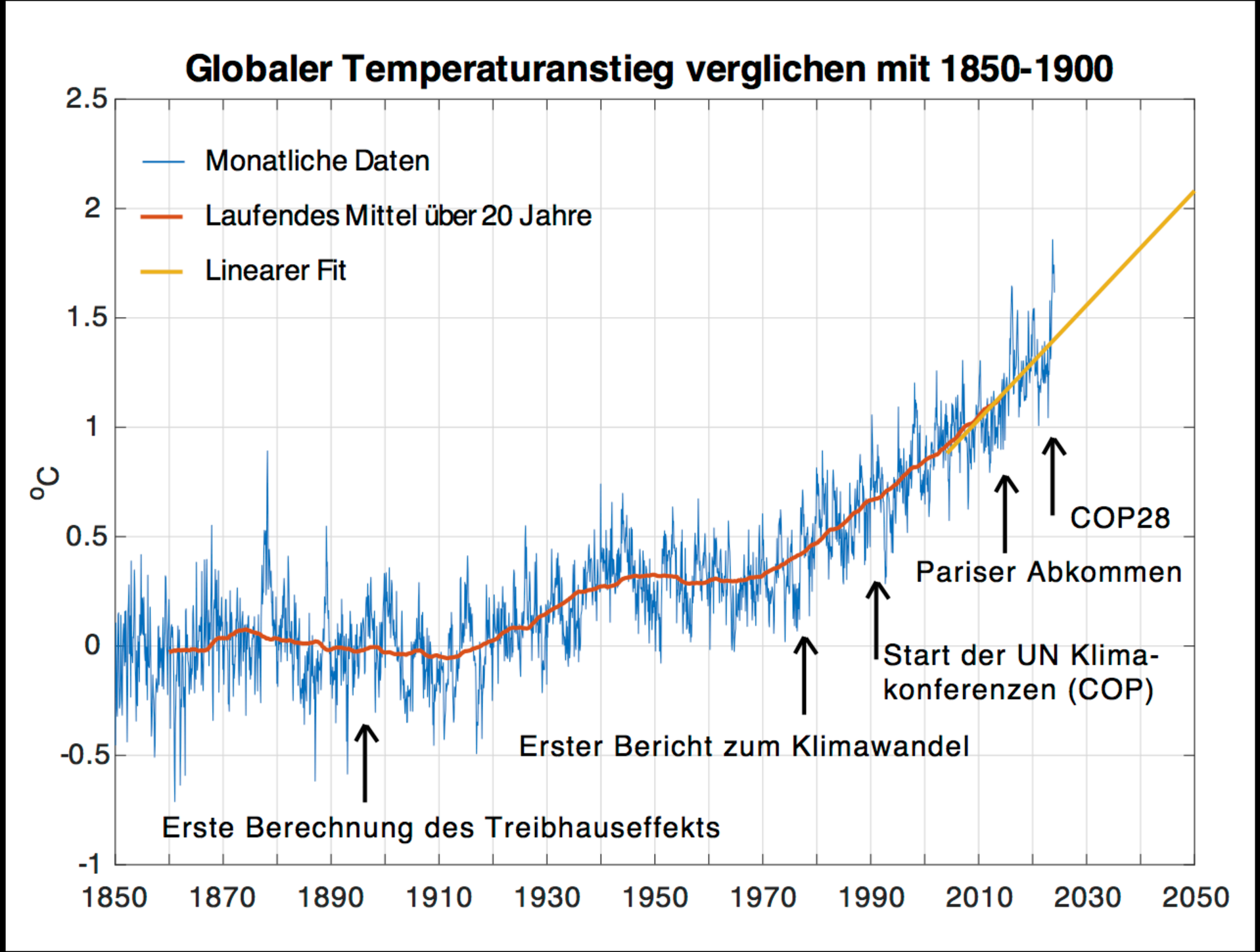
1. Stand der Klimawissenschaften
2. Stand der Kommunikationswissenschaften
3. Strategische Überlegungen

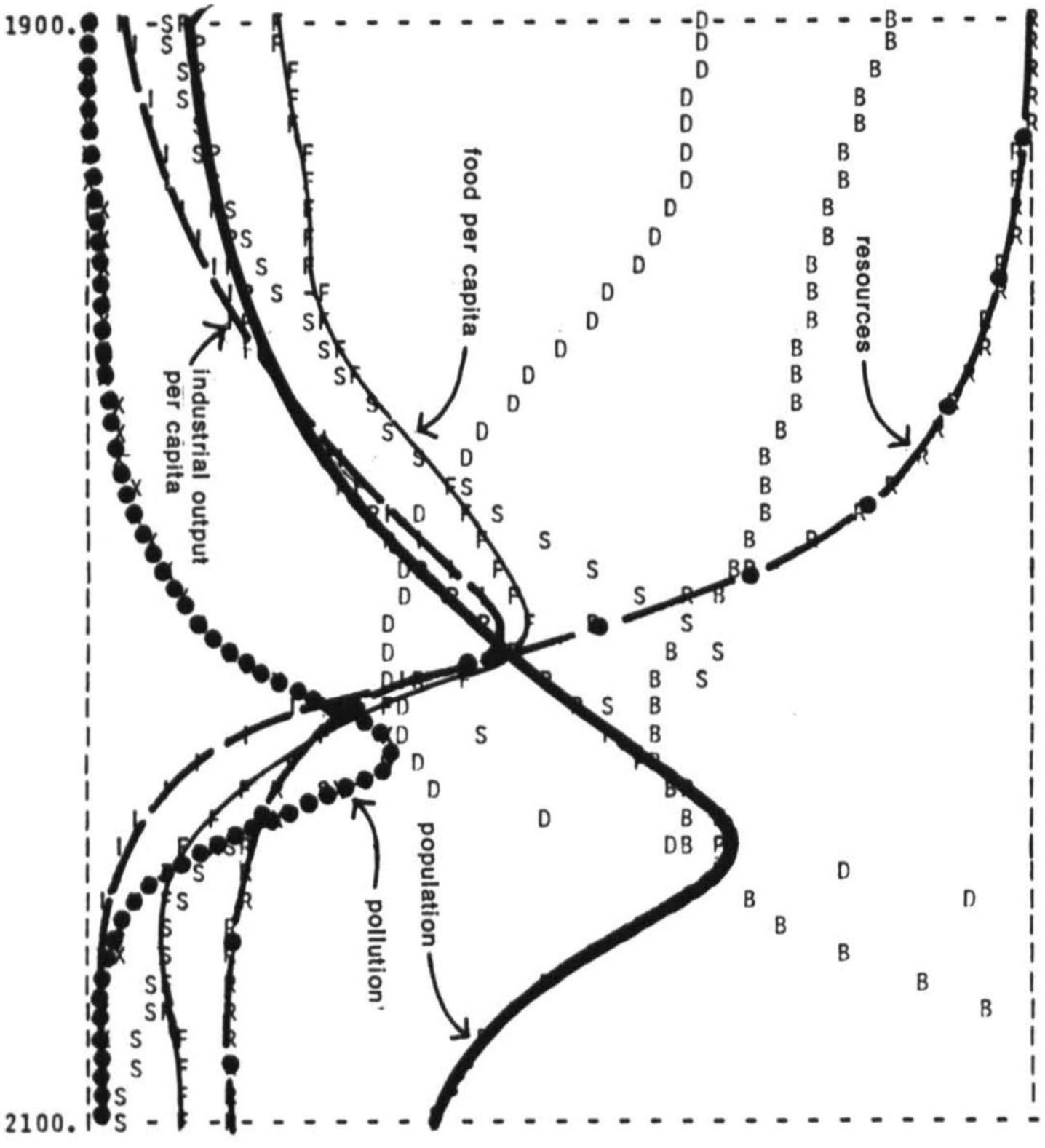
20 Uhr Pause

- Diskussion

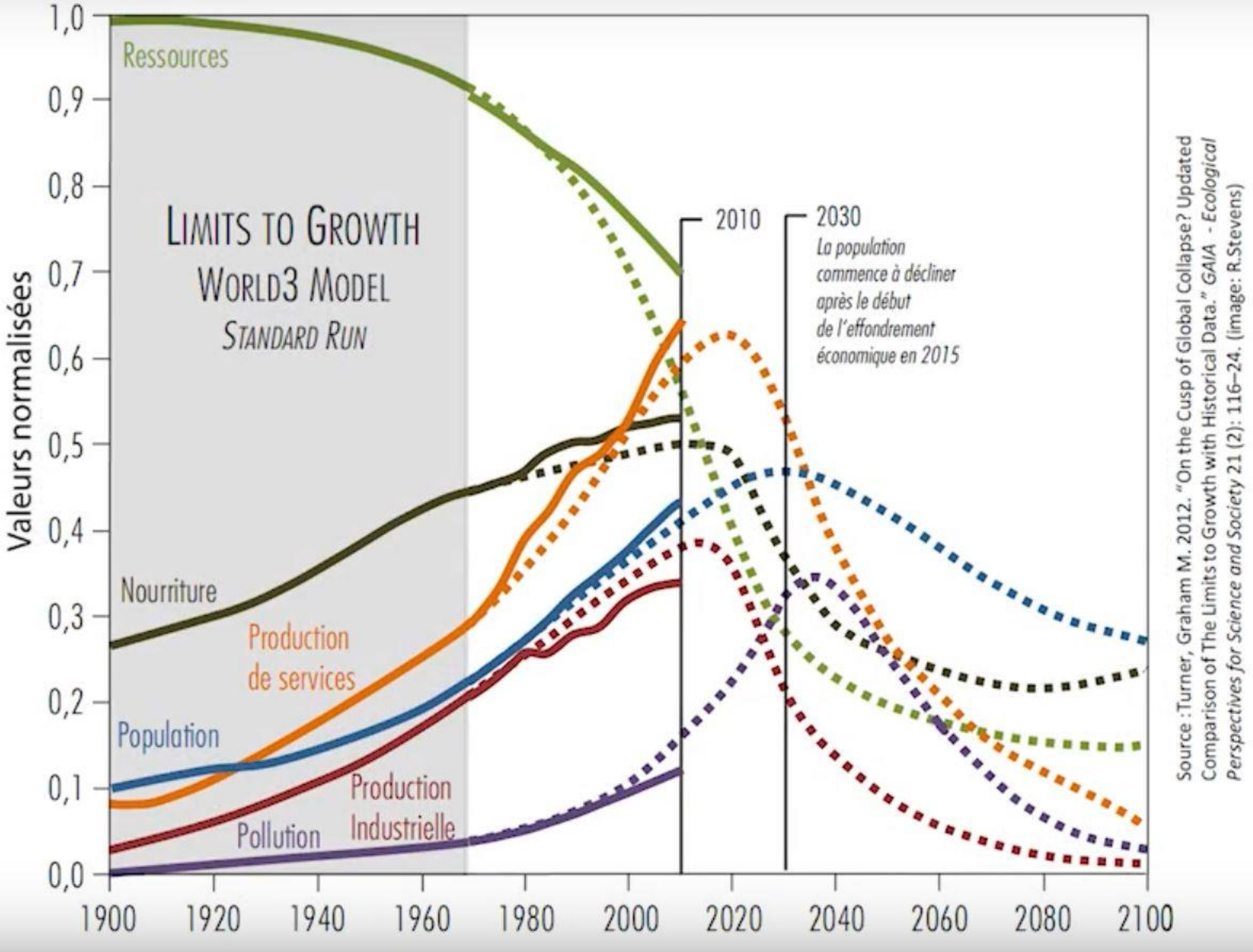
21 Uhr Ende

1. Klimawissenschaft


Globaler Temperaturanstieg verglichen mit 1850-1900
Monatliche Daten
Laufendes Mittel über 20 Jahre
Linearer Fit
°C
2.5
2
1.5
1
0.5
0
-0.5
-1
1850
1870
1890
1910
1930
1950
1970
1990
2010
2030
2050
Erste Berechnung des Treibhauseffekts
Erster Bericht zum Klimawandel
Start der UN Klima-konferenzen (COP)
Pariser Abkommen
COP28



WORLD MODEL STANDARD RUN (BAU Scenario):
Meadows et.al. (1972) THE LIMITS TO GROWTH. Universe Books , New York, p. 124.



Source : Turner, Graham M. 2012. "On the Cusp of Global Collapse? Updated Comparison of The Limits to Growth with Historical Data." *GAIA - Ecological Perspectives for Science and Society* 21 (2): 116–24. (image: R.Stevens)

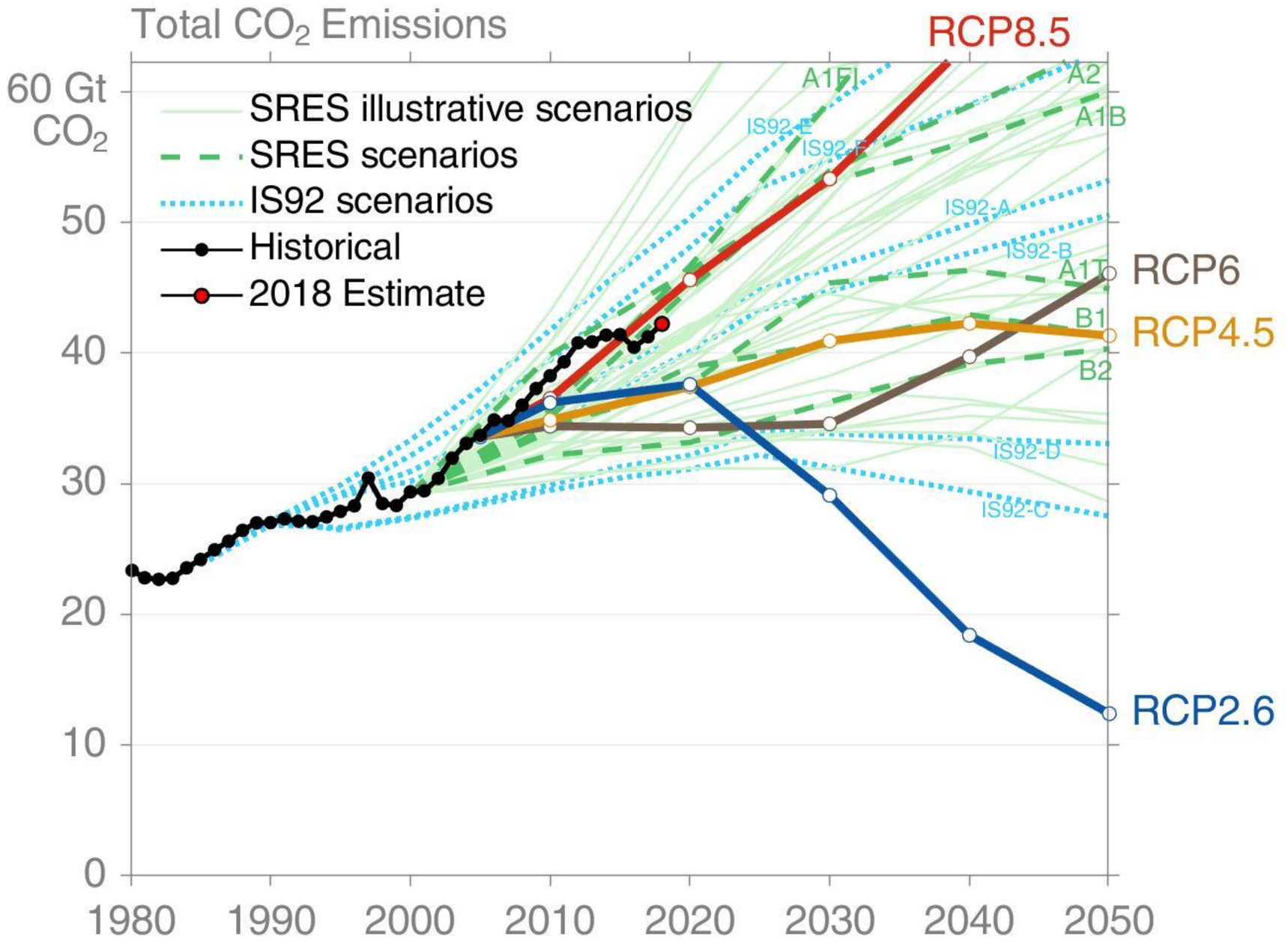
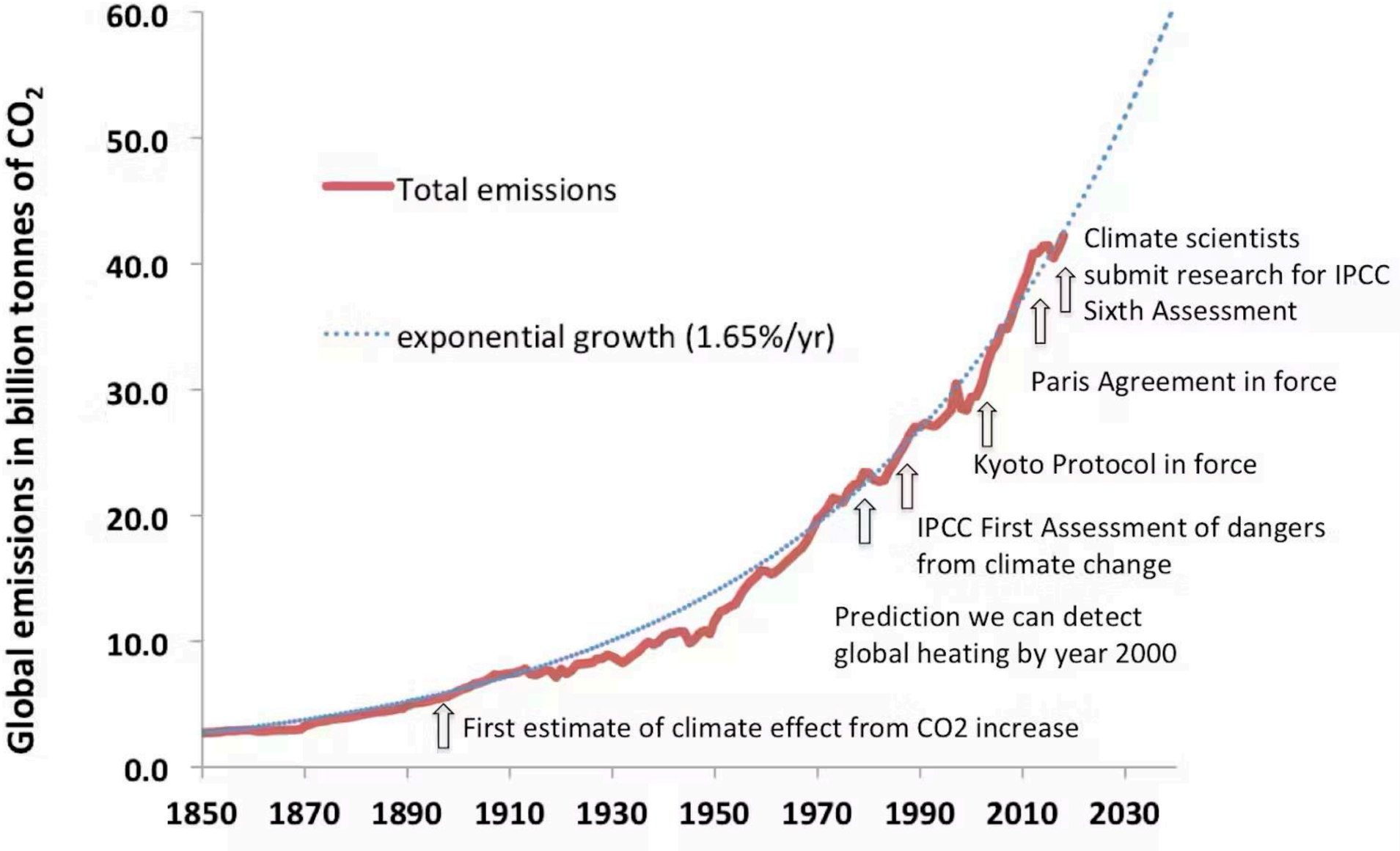
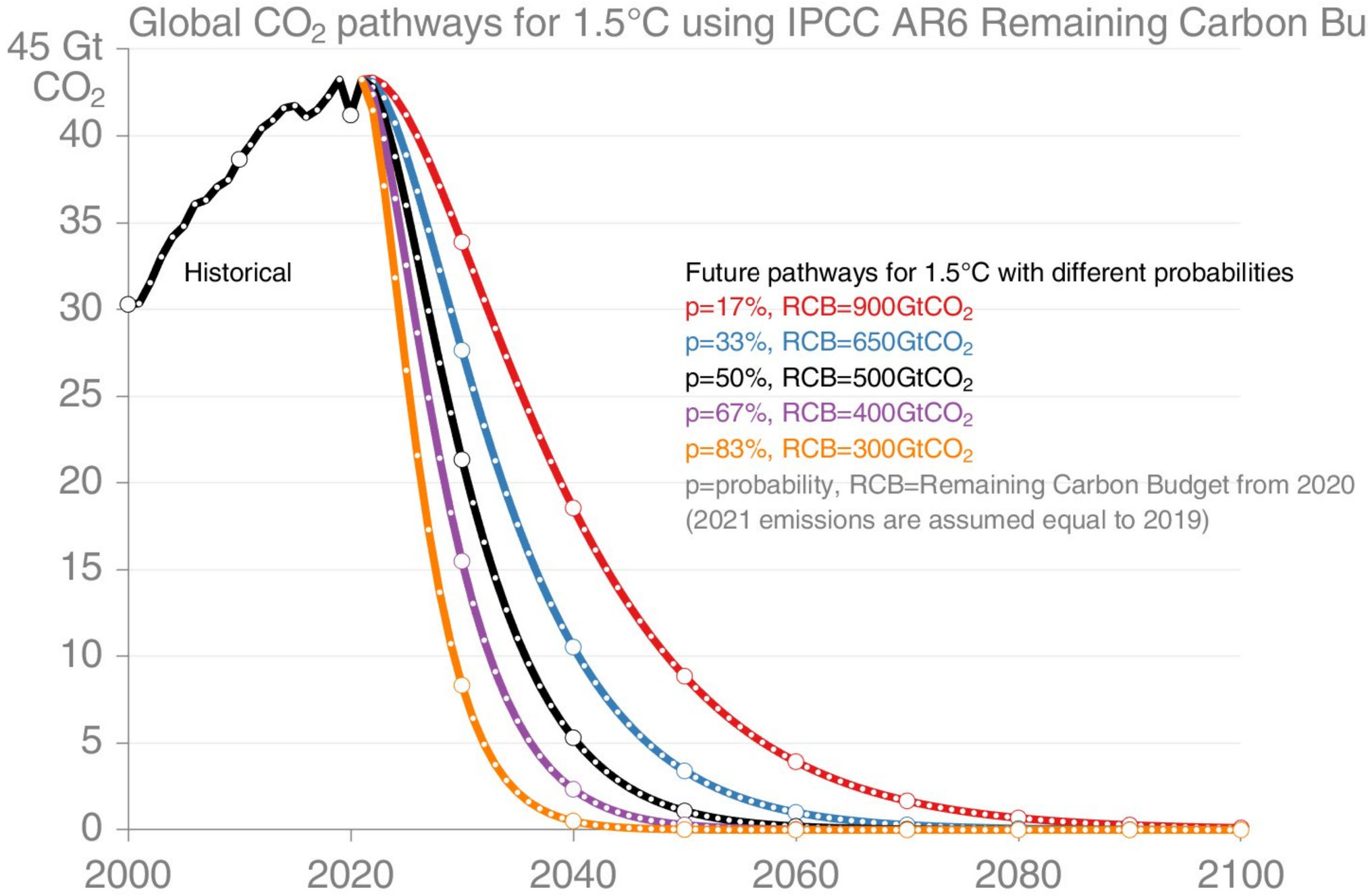


Figure: @robbie_andrew, @Peters_Glen



Grafik von Wolfgang Knorr. Aus: “Klima, Kollaps, Kommunikation. Perspektiven auf das Climate Endgame“ (2024) Hrsg. Köhler, Leisgang, Schwen und Seckmeyer

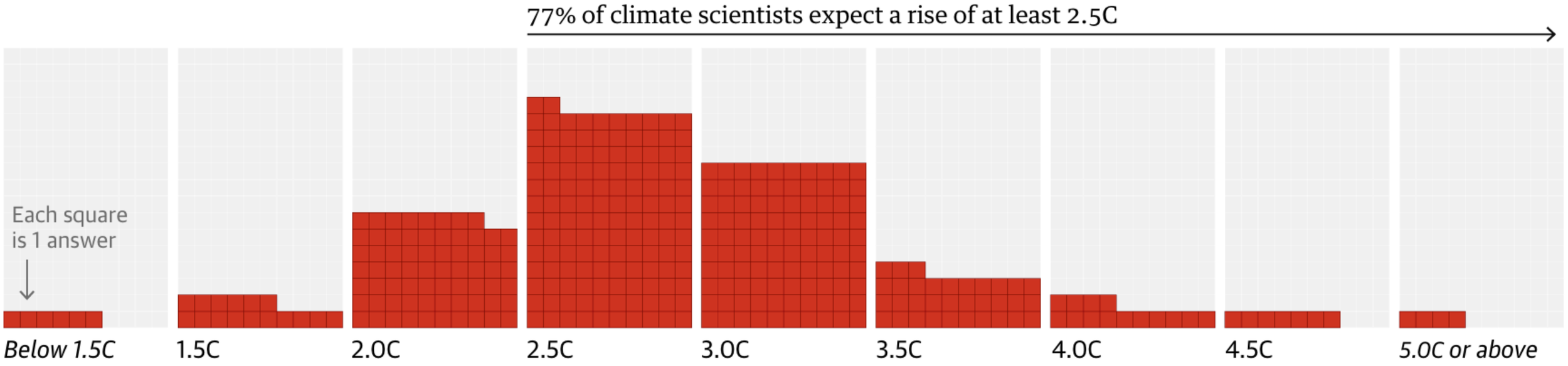


 • Data: Global Carbon Budget, IPCC AR6 WG1 Table SPM.2, own calculations

How high will global heating go?

How high above pre-industrial levels do you think average global temperature will rise between now and 2100?

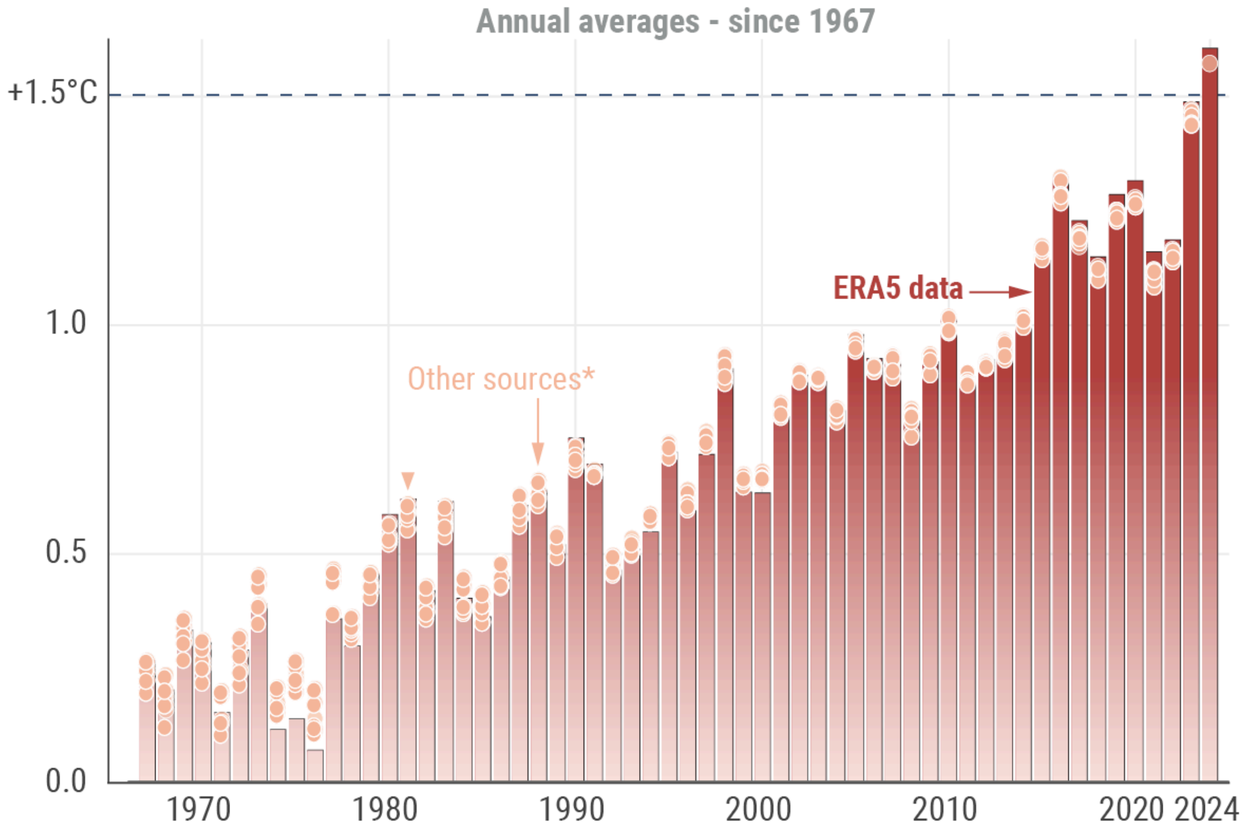
Count of answers given by IPCC climate experts

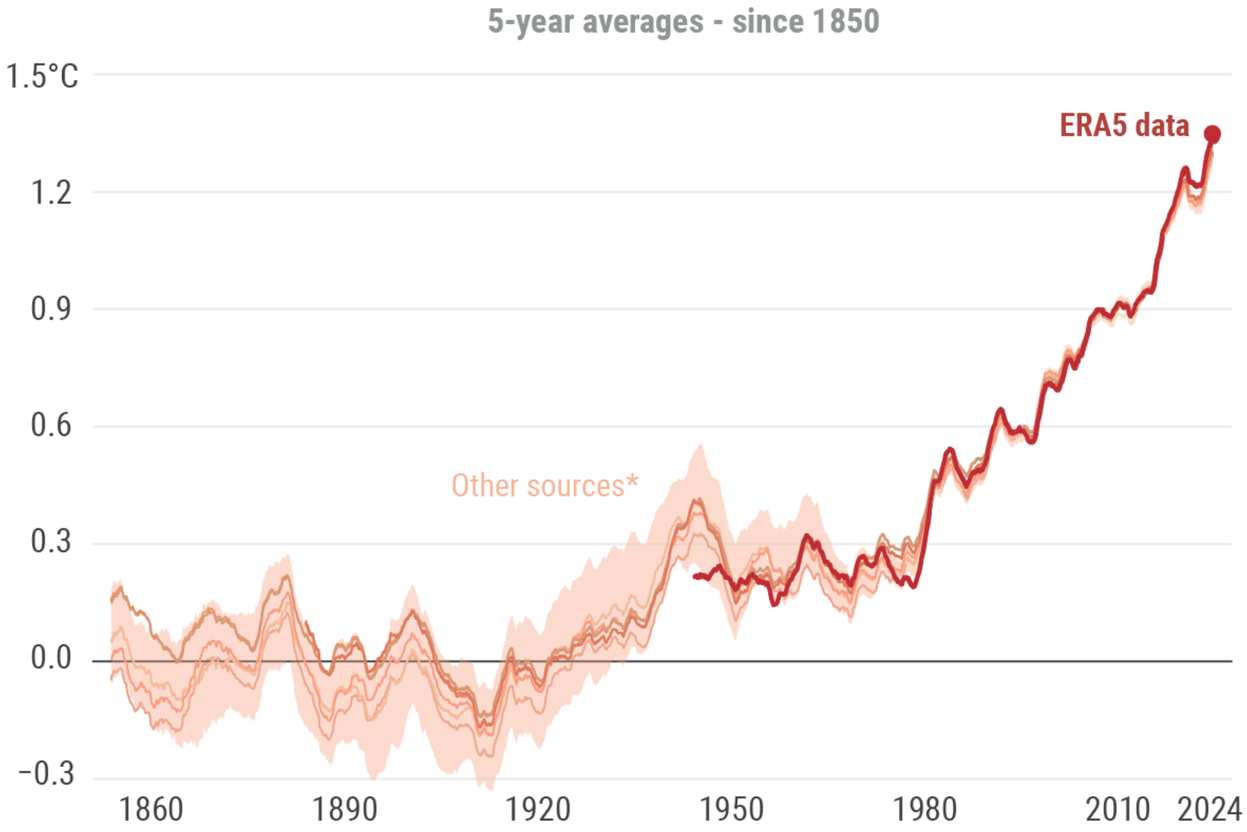


Guardian graphic. Source: Guardian survey of climate experts. 380 responses

Global surface temperature increase above pre-industrial

Reference period: pre-industrial (1850–1900) • Credit: C3S/ECMWF



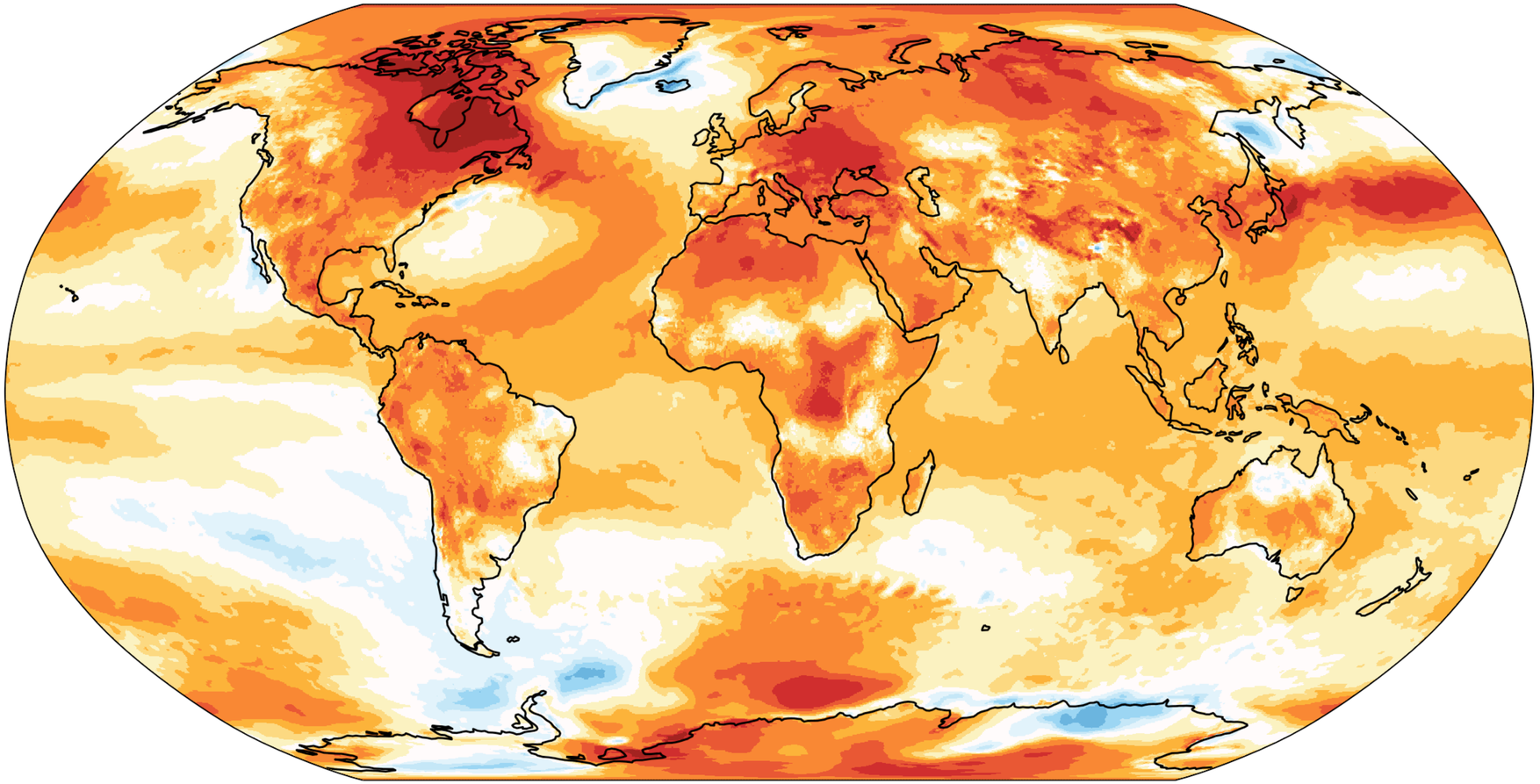


***Other sources** include JRA-3Q, GISTEMPv4, NOAAGlobalTempv6, Berkeley Earth and the HadCRUT5 ensemble mean. Shading shows the range of the HadCRUT5 ensemble.

PROGRAMME OF THE EUROPEAN UNION
opernicus Europe's eyes on Earth
Climate Change Service climate.copernicus.eu
IMPLEMENTED BY ECMWF

Surface air temperature anomalies in 2024

Data: ERA5 • Reference period: 1991–2020 • Credit: C3S/ECMWF



Anomaly (°C)

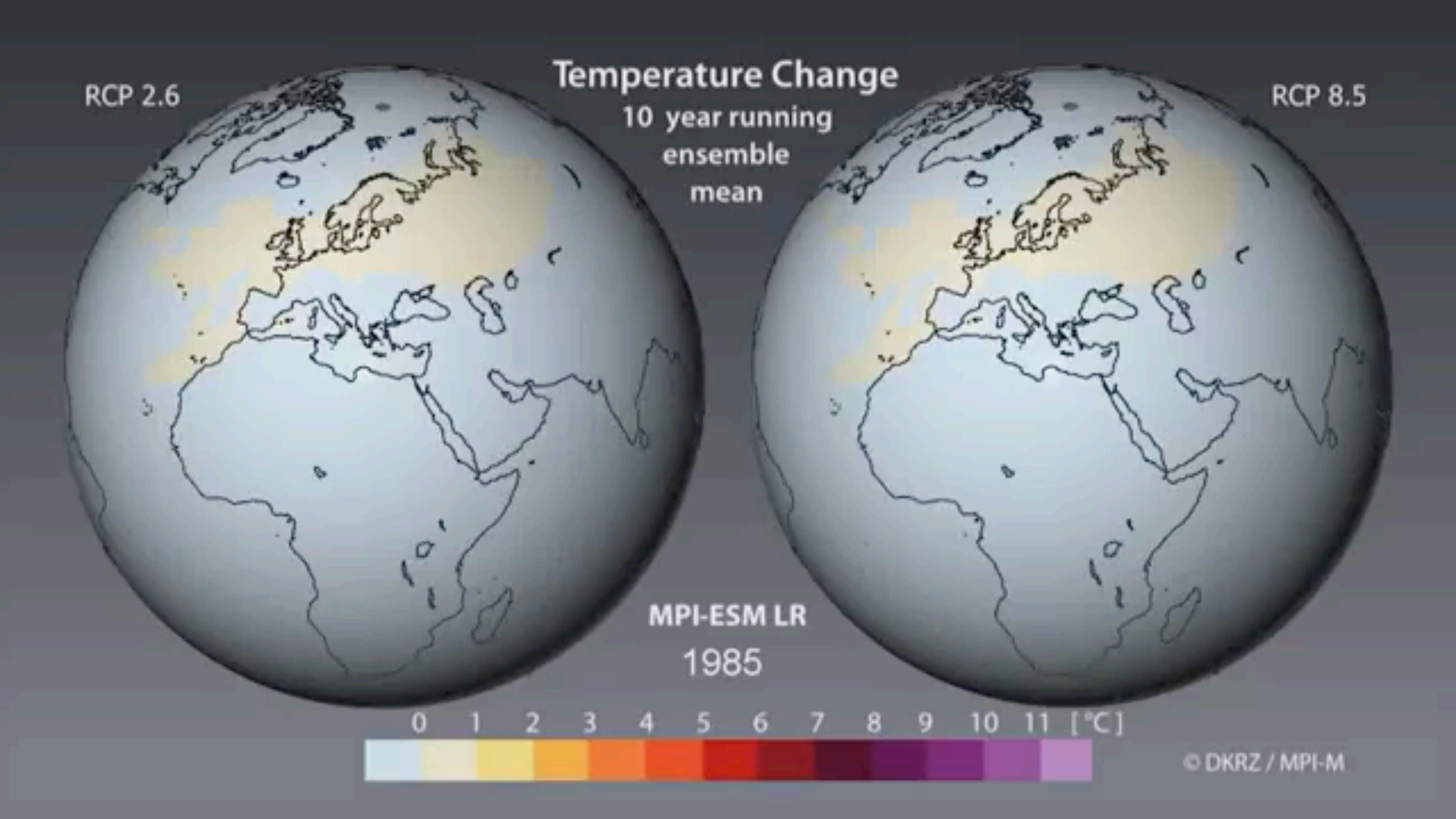
-5 -3 -2 -1.5 -1 -0.7 -0.5 -0.2 0.2 0.5 0.7 1 1.5 2 3 5

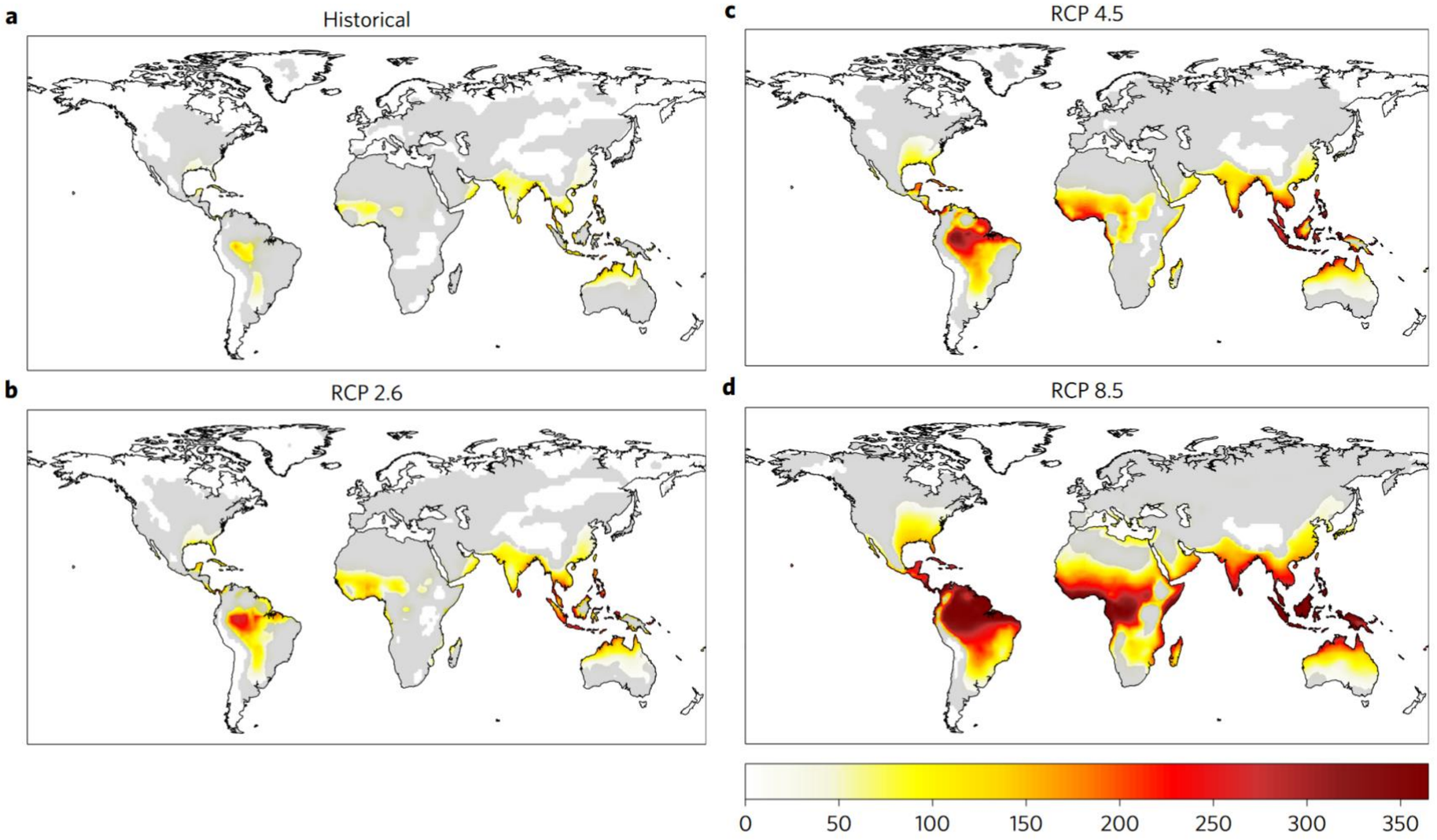
PROGRAMME OF THE EUROPEAN UNION

Copernicus Europe's eyes on Earth

Climate Change Service climate.copernicus.eu

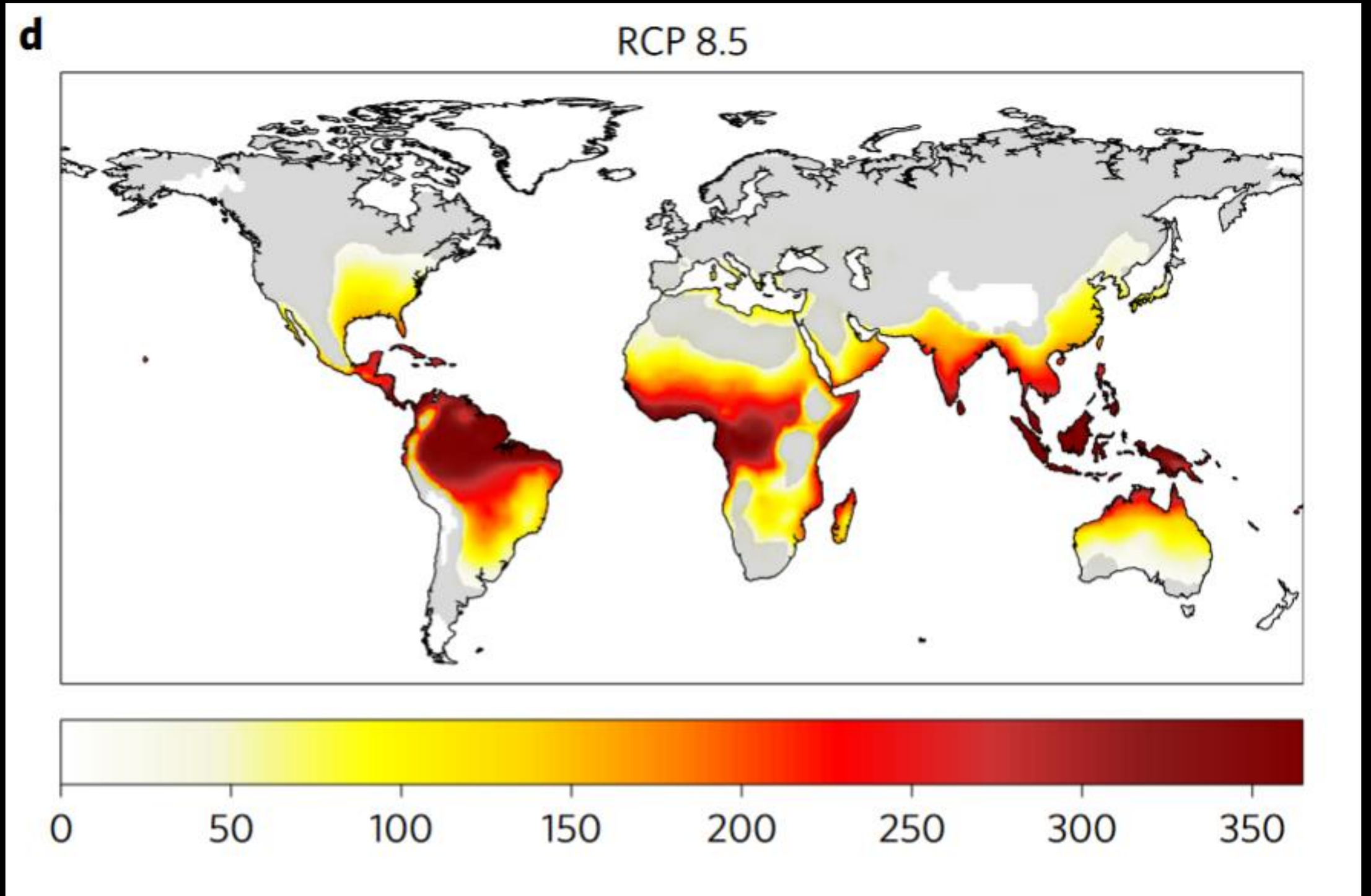
IMPLEMENTED BY ECMWF


Temperature Change
10 year running ensemble mean
RCP 2.6
RCP 8.5
MPI-ESM LR
1985
0 1 2 3 4 5 6 7 8 9 10 11 [°C]
© DKRZ / MPI-M

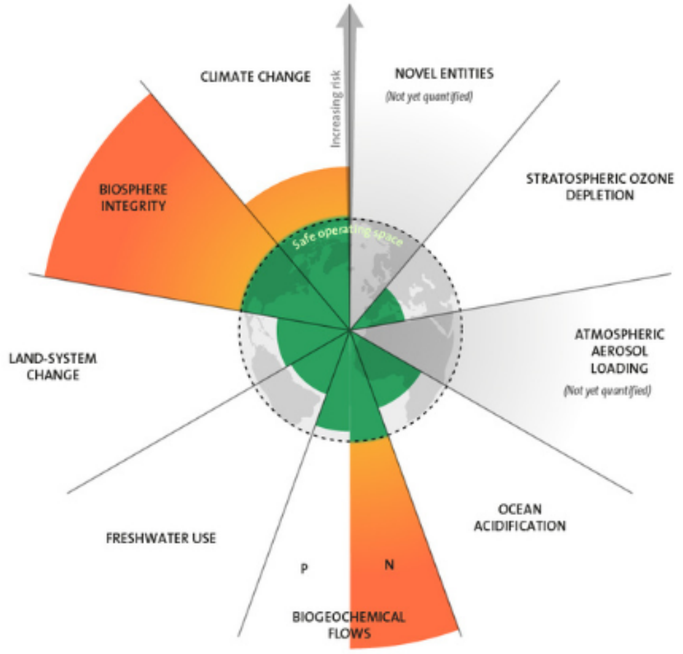


Number of days above deadly threshold

Quelle: Mora et.al. 2017

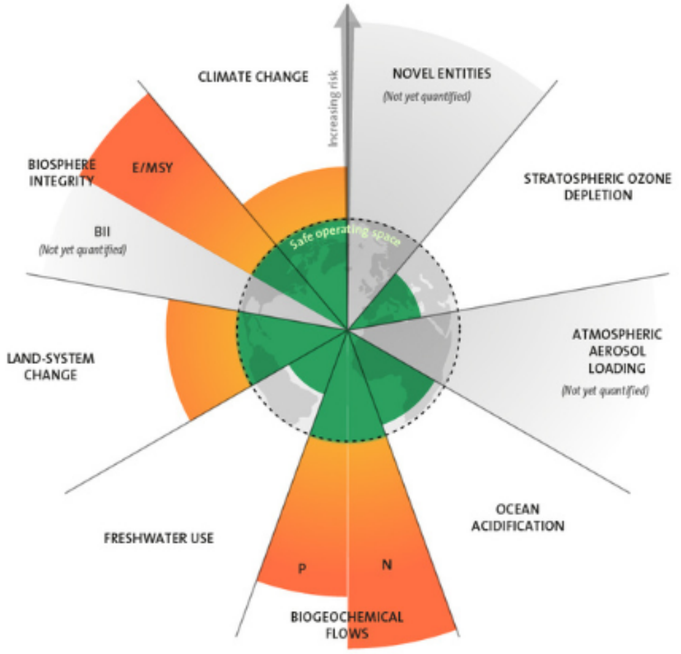

d
RCP 8.5
0
50
100
150
200
250
300
350

2009



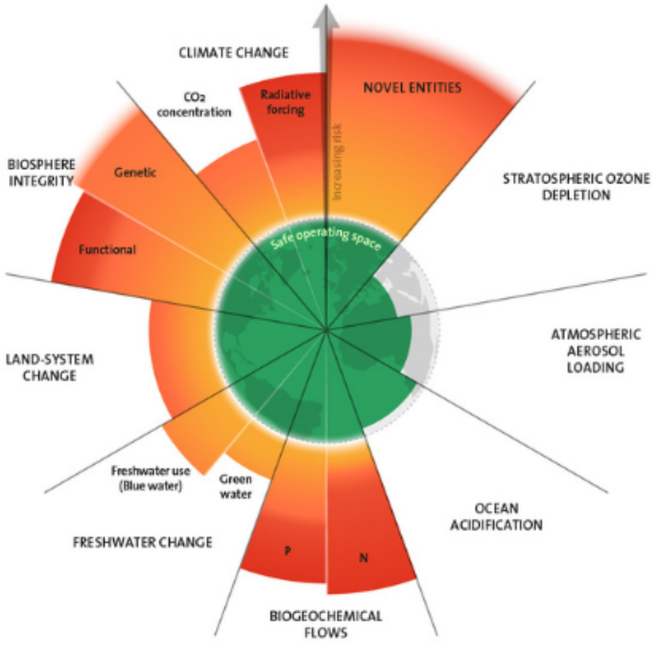
7 boundaries assessed,
3 crossed

2015



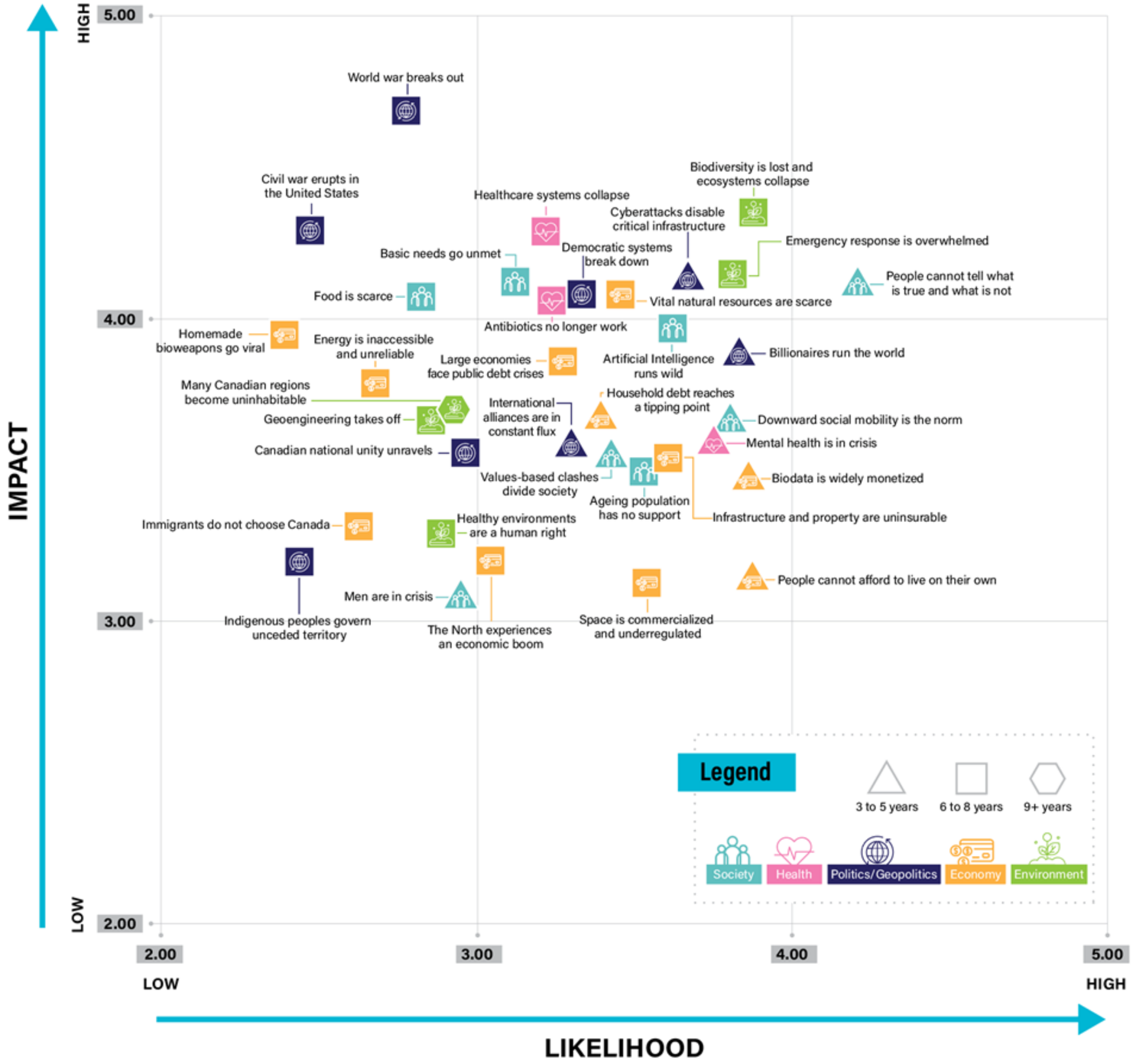
7 boundaries assessed,
4 crossed

2023

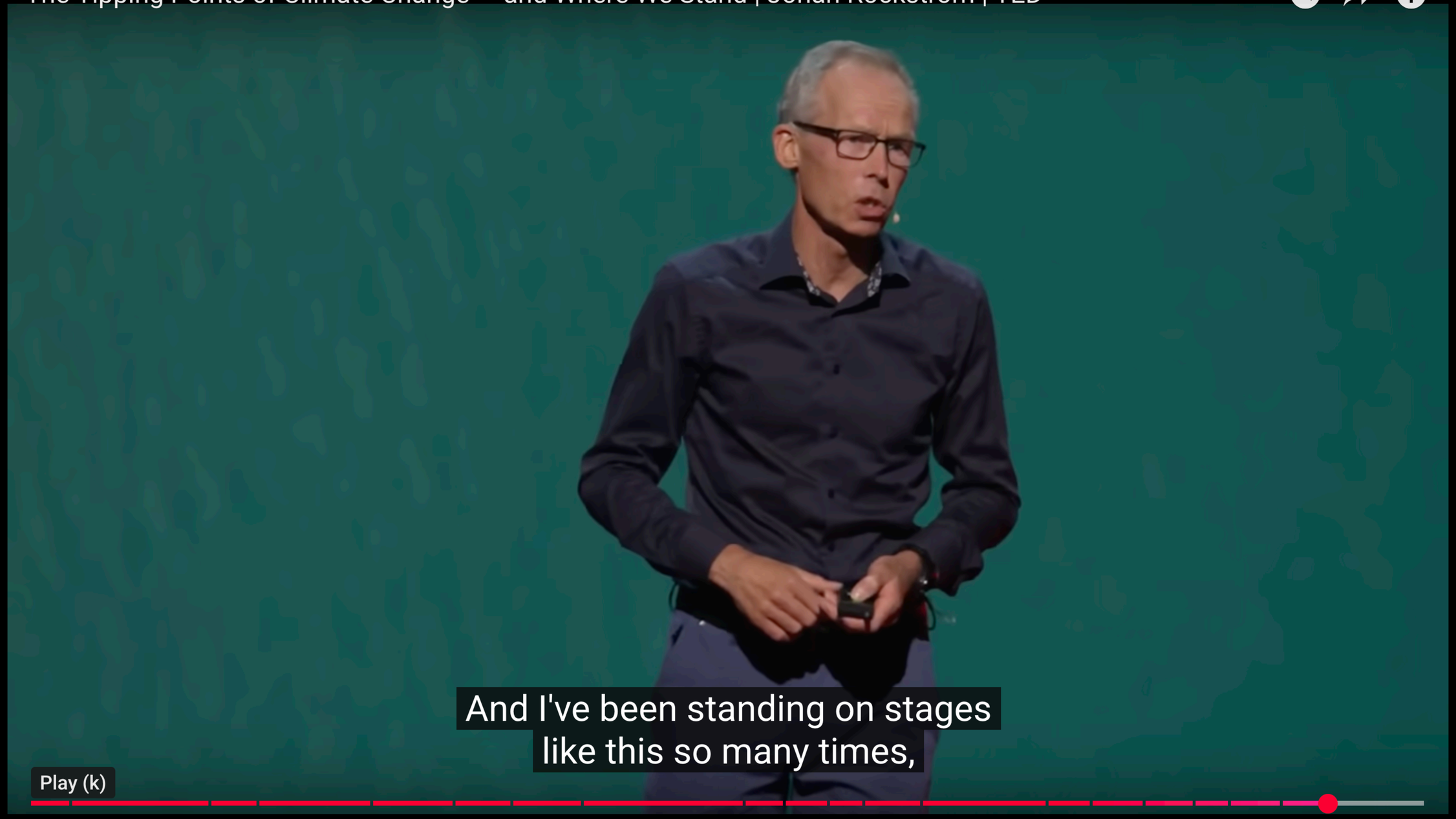


9 boundaries assessed,
6 crossed

The evolution of the planetary boundaries framework. Licenced under CC BY-NC-ND 3.0 (Credit: Azote for Stockholm Resilience Centre, Stockholm University. Based on Richardson et al. 2023, Steffen et al. 2015, and Rockström et al. 2009)


IMPACT
HIGH
LOW
5.00
4.00
3.00
2.00
LIKELIHOOD
2.00
LOW
3.00
4.00
5.00
HIGH
World war breaks out
Civil war erupts in the United States
Biodiversity is lost and ecosystems collapse
Healthcare systems collapse
Cyberattacks disable critical infrastructure
Emergency response is overwhelmed
Basic needs go unmet
Democratic systems break down
People cannot tell what is true and what is not
Food is scarce
Vital natural resources are scarce
Antibiotics no longer work
Homemade bioweapons go viral
Energy is inaccessible and unreliable
Artificial Intelligence runs wild
Billionaires run the world
Large economies face public debt crises
Many Canadian regions become uninhabitable
Household debt reaches a tipping point
International alliances are in constant flux
Downward social mobility is the norm
Geoengineering takes off
Mental health is in crisis
Canadian national unity unravels
Biodata is widely monetized
Values-based clashes divide society
Ageing population has no support
Infrastructure and property are uninsurable
Immigrants do not choose Canada
Healthy environments are a human right
People cannot afford to live on their own
Men are in crisis
Indigenous peoples govern unceded territory
The North experiences an economic boom
Space is commercialized and underregulated
Legend
3 to 5 years
6 to 8 years
9+ years
Society
Health
Politics/Geopolitics
Economy
Environment

2. Kommunikationswissenschaft


The Tipping Points of Climate Change — and Where We Stand | Johan Rockström | TED
And I've been standing on stages
like this so many times,
Play (k)
17:14 / 18:35 • Our Choice ›

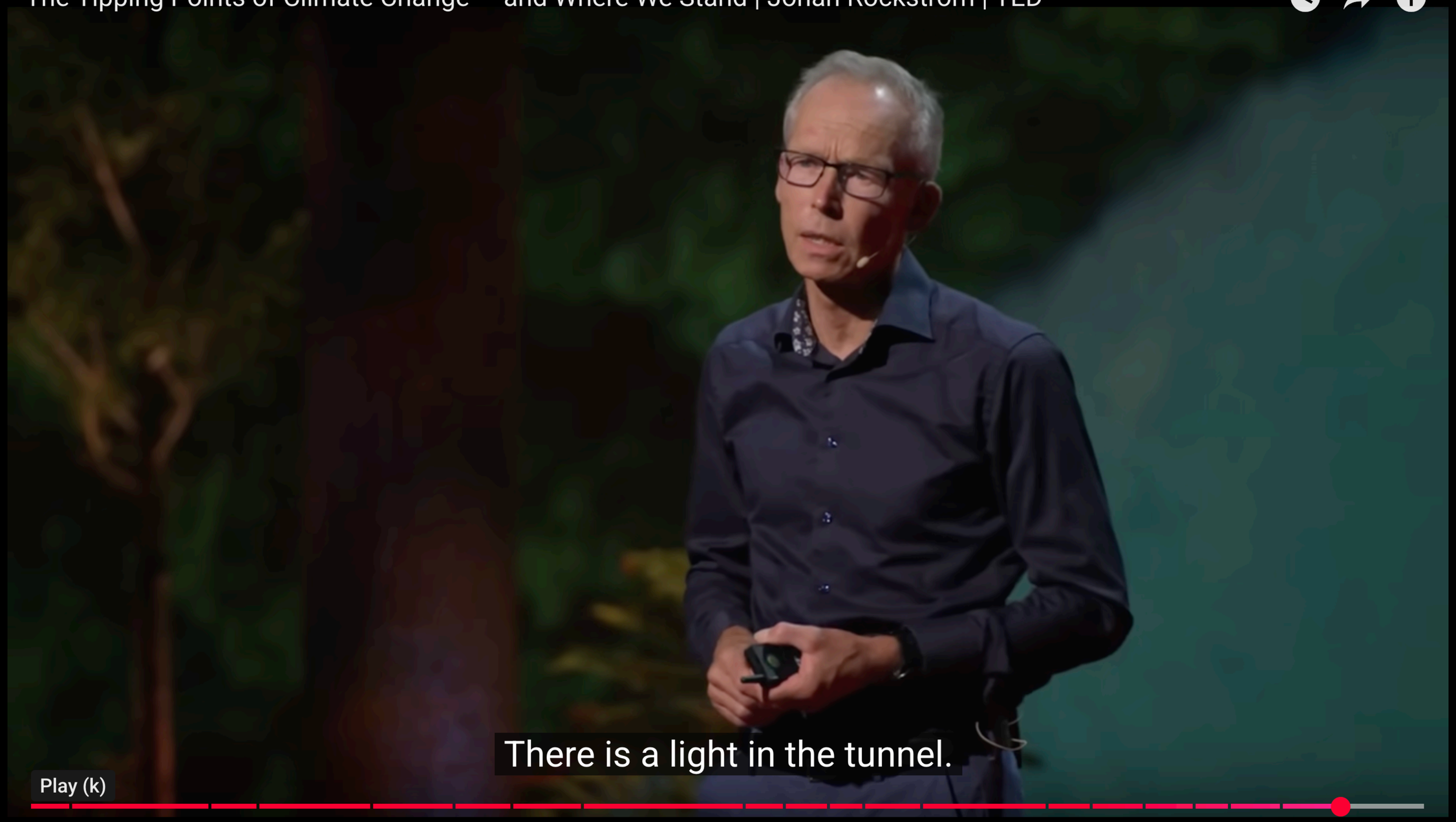

The Tipping Points of Climate Change — and Where We Stand | Johan Rockström | TED
TED
sharing the dire scientific diagnostic.
Play (k)
17:16 / 18:35 • Our Choice ›

The Tipping Points of Climate Change — and Where We Stand | Johan Rockström | TED

17:20 / 18:35 • Our Choice ›

The Tipping Points of Climate Change — and Where We Stand | Johan Rockström | TED

17:22 / 18:35 • Our Choice ›


The Tipping Points of Climate Change — and Where We Stand | Johan Rockström | TED
There is a light in the tunnel.
Play (k)
17:25 / 18:35 • Our Choice ›

Mentioning happiness increases willingness to take climate action

25 Pages • Posted: 24 Feb 2025

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Date Written: December 19, 2024

Abstract

Climate communication is often flooded with doom-and-gloom messages that invoke negative emotions, which can be counterproductive. To improve climate communication, we created and tested a new "happy climate" frame that highlights the happiness benefits of climate action. In a pre-registered experiment, we randomly assigned participants to read one of four message frames (happy climate, disaster, facts, or control) and asked them to select the climate actions they would be willing to take. We found that the happy climate frame led to the highest willingness to take individual and civic climate actions overall and was particularly effective for increasing willingness to take individual climate action for people with low and average levels of belief in anthropogenic climate change. These findings provide causal evidence that presenting the happiness benefits of climate action can promote willingness to take individual and civic climate action across the ideological spectrum.

Psychological Bulletin
2015, Vol. 141, No. 6, 1178–1204

0033-2909/15/$12.00 http://dx.doi.org/10.1037/a0039729

Appealing to Fear: A Meta-Analysis of Fear Appeal Effectiveness and Theories

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Virginia Commonwealth University

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Fear appeals are a polarizing issue, with proponents confident in their efficacy and opponents confident that they backfire. We present the results of a comprehensive meta-analysis investigating fear appeals' effectiveness for influencing attitudes, intentions, and behaviors. We tested predictions from a large number of theories, the majority of which have never been tested meta-analytically until now. Studies were included if they contained a treatment group exposed to a fear appeal, a valid comparison group, a manipulation of depicted fear, a measure of attitudes, intentions, or behaviors concerning the targeted risk or recommended solution, and adequate statistics to calculate effect sizes. The meta-analysis included 127 articles (9% unpublished) yielding 248 independent samples (N_{Total} = 27,372) collected from diverse populations. Results showed a positive effect of fear appeals on attitudes, intentions, and behaviors, with the average effect on a composite index being random-effects $\bar{d}$ = 0.29. Moderation analyses based on prominent fear appeal theories showed that the effectiveness of fear appeals increased when the message included efficacy statements, depicted high susceptibility and severity, recommended one-time only (vs. repeated) behaviors, and targeted audiences that included a larger percentage of female message recipients. Overall, we conclude that (a) fear appeals are effective at positively influencing attitude, intentions, and behaviors; (b) there are very few circumstances under which they are not effective; and (c) there are no identified circumstances under which they backfire and lead to undesirable outcomes.

Keywords: fear appeals, risk, health communication, meta-analysis

Supplemental materials: http://dx.doi.org/10.1037/a0039729.supp

Fear appeals are persuasive messages that attempt to arouse fear by emphasizing the potential danger and harm that will befall individuals if they do not adopt the messages' recommendations (Dillard et al., 1996; Maddux & Rogers, 1983). Although these messages are often used in political, public health, and advertising

Xu et al., 2015), others are adamant that such messages are counterproductive (e.g., Drug Free Action Alliance, 2013; Ruiter et al., 2014). The fear appeal literature reflects this disagreement, and empirical studies, literature reviews, and meta-analyses conducted over the past six decades have offered a diverse array of

SOCIAL SCIENCES

Addressing climate change with behavioral science: A global intervention tournament in 63 countries

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SCIENCE ADVANCES | RESEARCH ARTICLE

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Effectively reducing climate change requires marked, global behavior change. However, it is unclear which strate-

3. Strategische Konsequenzen

VOR-BEREITEN *STATT* VER-ZWEIFELN

#Ausstellungseröffnung
#Podiumsgespräch
Eintritt frei

30.4.2026
17 – 21:30 UHR

linkedin.com
/gerriet-schwen

Auf den Kollaps vorbereiten
Reportage Ethik Heute

Kommenden begegnen
Artikel Schader Stiftung

klima-kollaps-kommunikation.de
Artikel, Interviews & mehr

kollapscamp.de
Bildungscamp 5.-9.8.

In der Katastrophe...
Reportage Krautreporter

Schöner Scheitern
Artikel oya

Theaterproduktion
Staatsschauspiel Dresden