



Earth at risk: the global climate challenge and current geopolitics

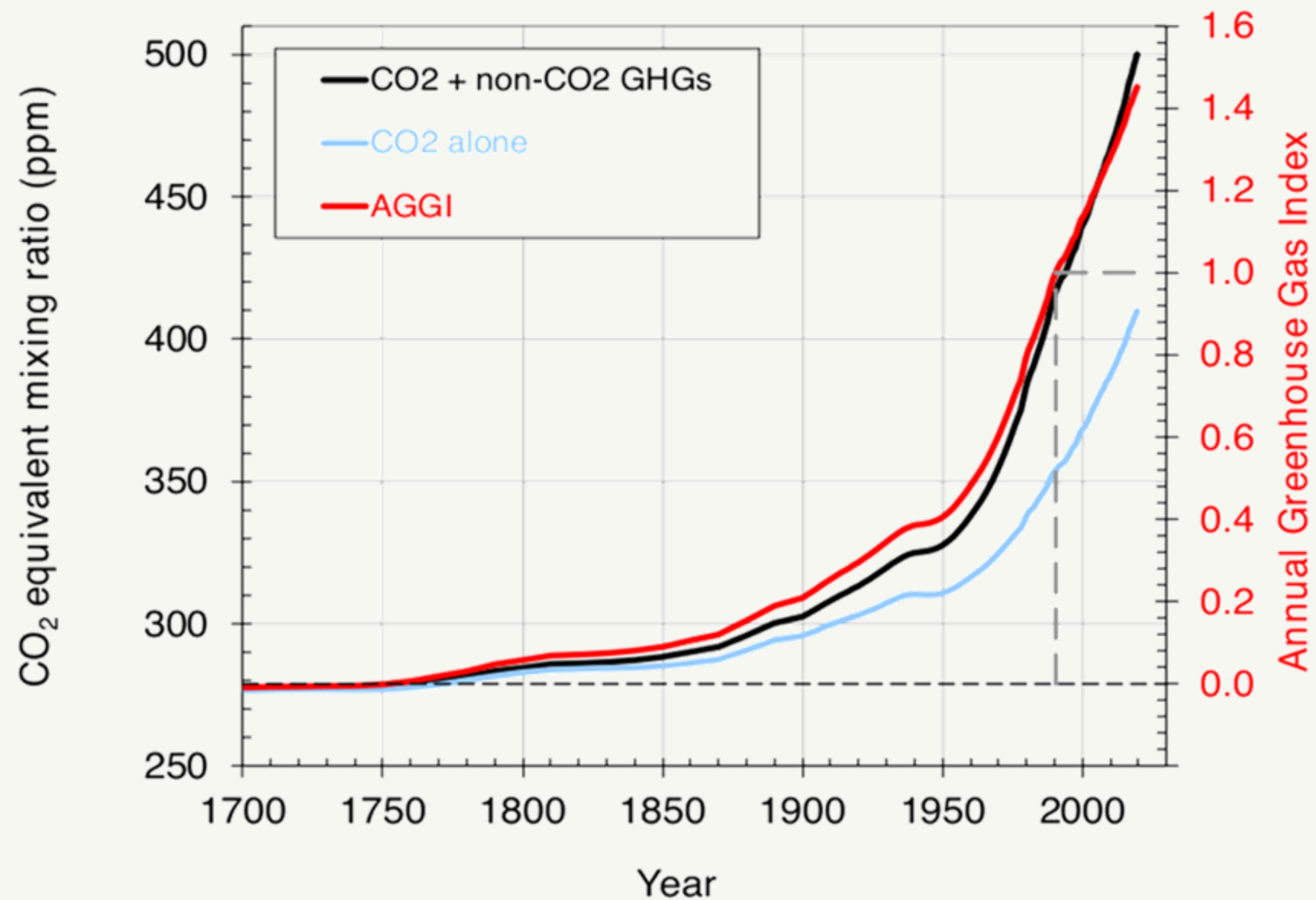
Sir David King

Founder & Chair, The Climate Crisis Advisory Group
Founder & former Chair, The Centre for Climate Repair
Former UK Govt CSA, 2000-7; FCO Climate Envoy, 2013-17

7th March 2025

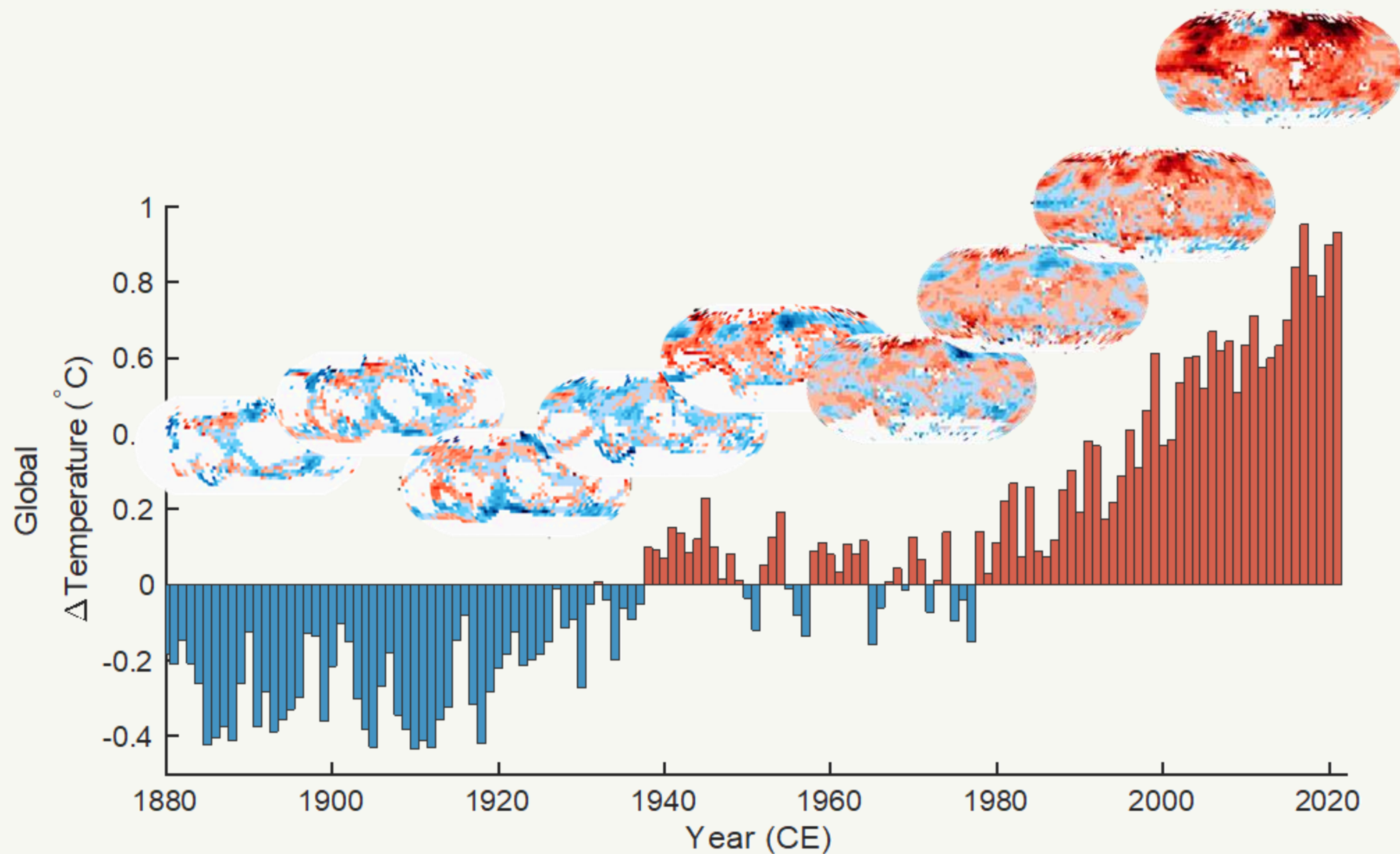
1. The **UNFCCC process** leading to the Agreement in Paris in 2015, and beyond
2. Consequences of the **withdrawal of the USA** from the Paris Agreement
3. What is the current **state of the Global Climate System**?
4. What are the **pathways to an equitable and manageable future** for humanity?
5. What is the **optimal way forward for South Africa**?

NOAA Annual Greenhouse Gas Index (AGGI)



<https://www.esrl.noaa.gov/gmd/aggi/aggi.html>

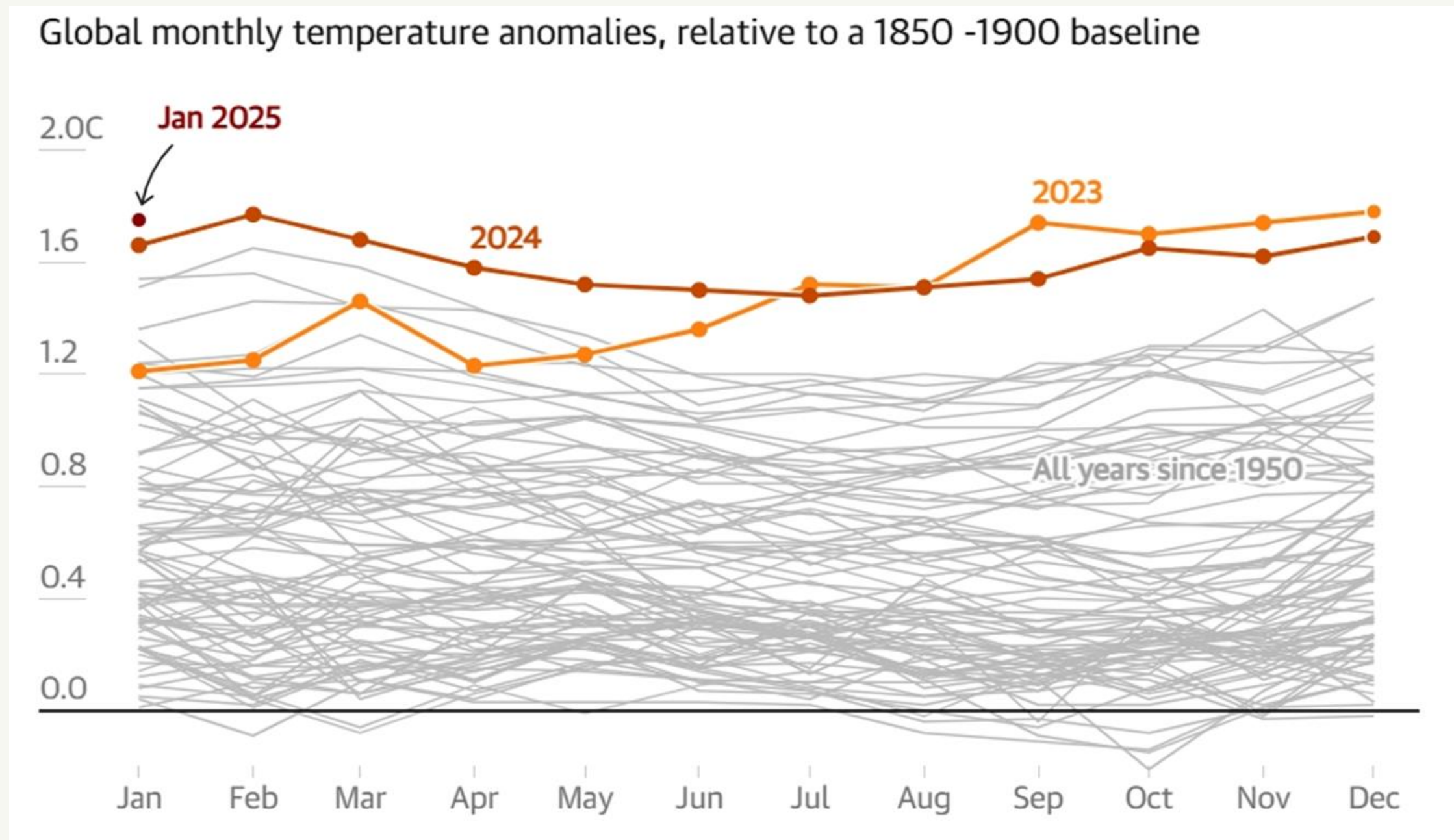
Temperatures are rising across the globe...



**21 of the last
22 years are
the hottest on
record!**

*Source: University of East Anglia
Climate Research Unit*

January 2025 was the hottest on record



'We were trapped like rats': Spain's floods bring devastation and despair



China sees highest number of significant floods since records began

So far this year officials warnings have been issued for 25 floods, and China is only halfway through its peak flood season



Streets turn into rivers as Typhoon Gaemi sweeps over Philippines



2024

Climate records broken

BBC NEWS

The destructive power of Hurricane Milton



Top 10 hottest places on Earth 2025



FINANCIAL TIMES

UKCOMPANIESTECHMARKETSClimateOPINIONLEXWORK & CAREERSLIFE & ARTSHSI

Wildfires sweep Amazon as Brazil suffers worst drought on record

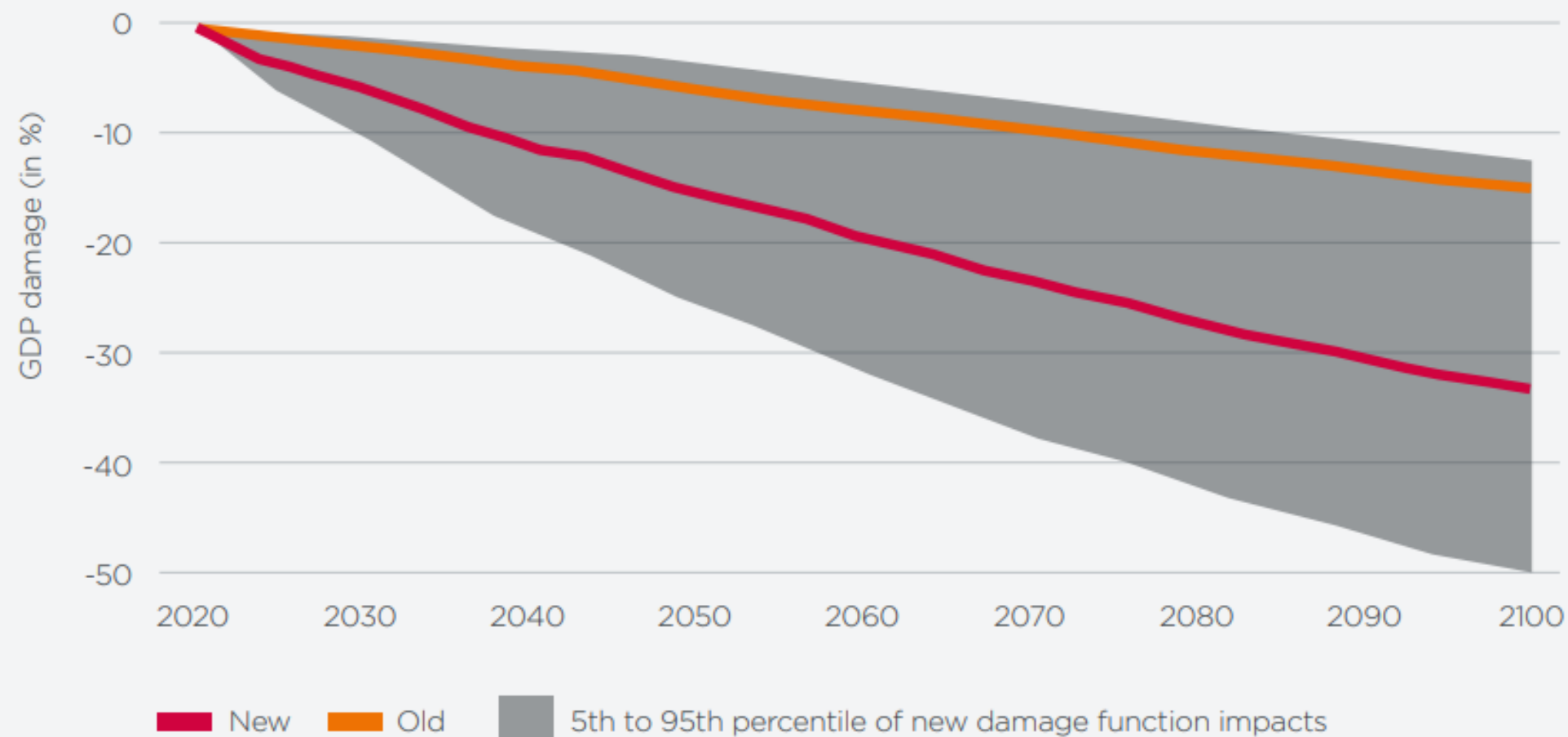
Destruction of forest combined with low rainfall exacerbate effects of climate change



Global risk management for human prosperity

Figure 2: Global GDP loss projections under NGFS current policies scenario

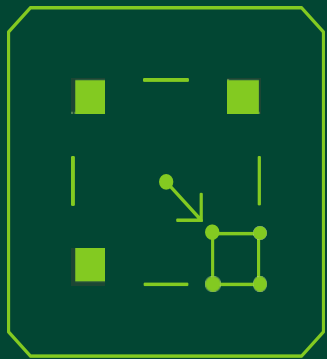
Source: NGFS Climate Scenarios Technical Presentation



<https://actuaries.org.uk/document-library/thought-leadership/thought-leadership-campaigns/climate-papers/planetary-solvency-finding-our-balance-with-nature/>

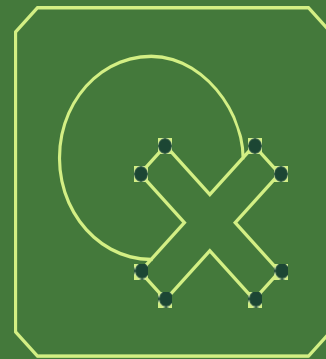
The 4R Planet Solution

CC
AG



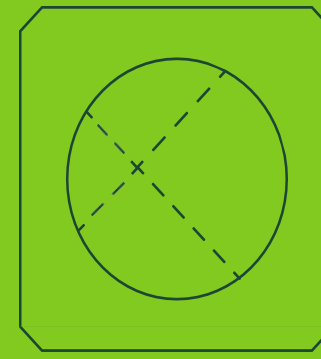
Reduce

Reductions in emissions to mitigate further climate change



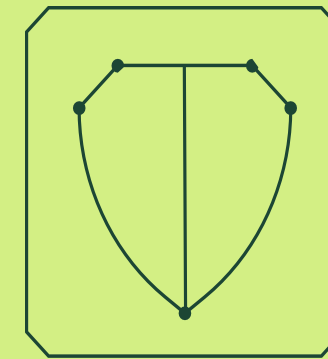
Remove

Large-scale initiatives to extract greenhouse gases from the atmosphere.



Repair

Restore elements of the climate system that have already passed tipping points



Resilience

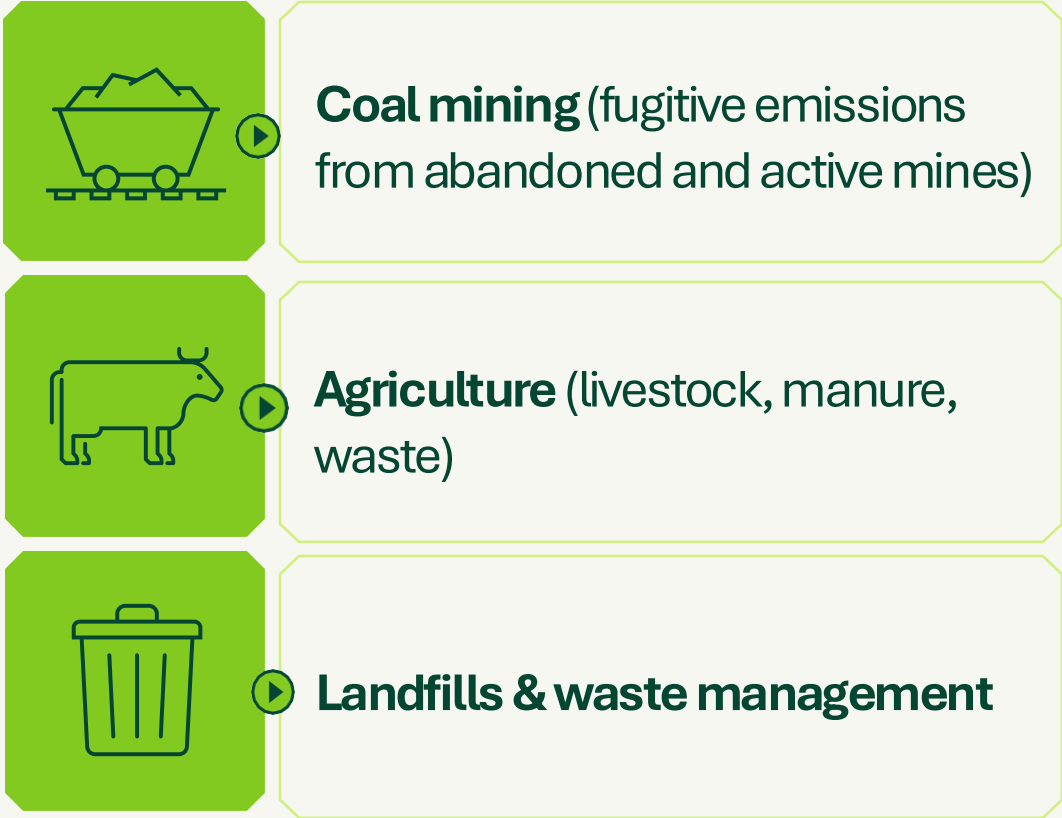
Enhancing our collective capacity to adapt to and withstand the ongoing impacts of the climate crisis

The critical role of methane abatement: immediate methane reductions offer fast climate and air quality benefits

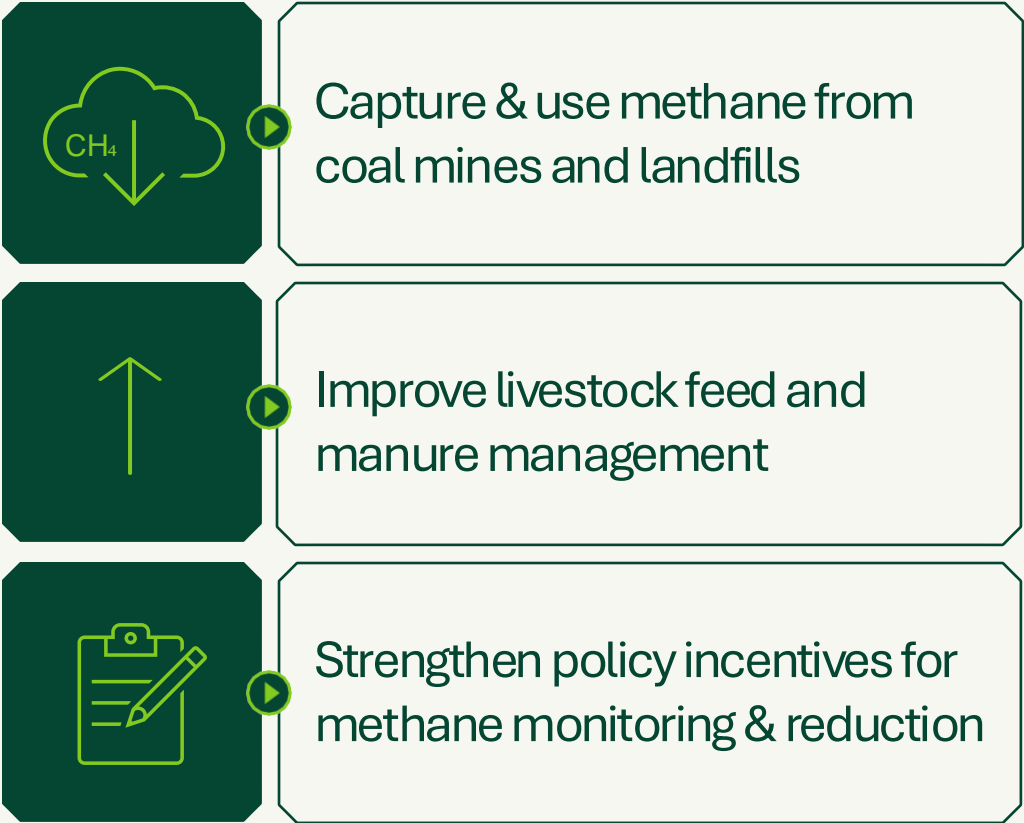


Methane is 120x more potent than CO₂ – rapid reductions are crucial

MAIN METHANE SOURCES:



SOLUTIONS:



Actions for South Africa

1. Work together with a group of progressive nations, including from the South and Global North
2. Develop an integrated plan to switch to clean energy sources
3. Move the economy from economic stagnation into growth and equity
4. A just transition away from coal
5. Create a strategy to deal with current methane emissions
6. Lead Africa and the Global South in the transition

What is CCAG?

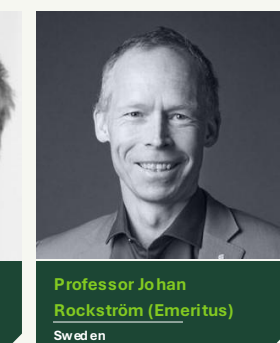
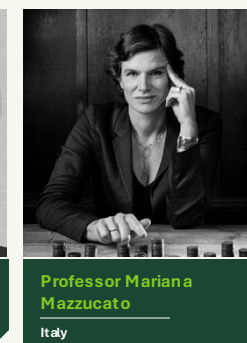
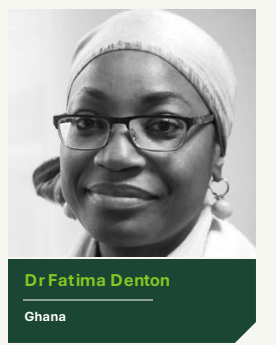
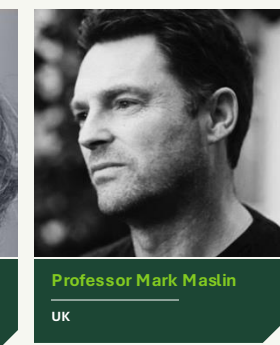
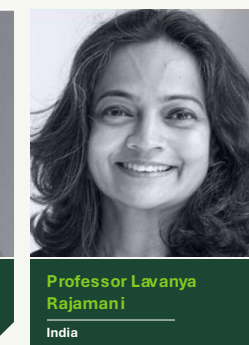
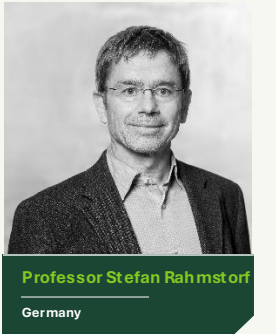
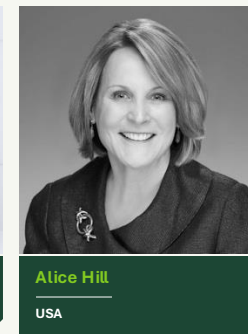
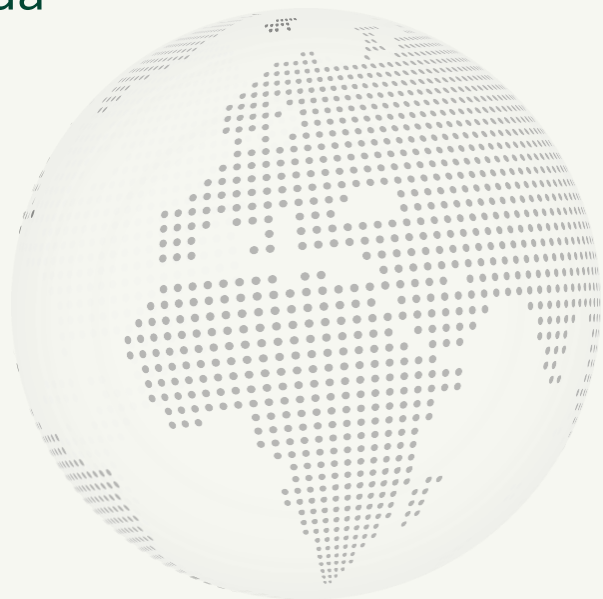


CCAG is home to the most globally influential and representative interdisciplinary climate experts found anywhere

The composition of the group provides it with unparalleled credibility, and the ability to set the climate agenda

17
Experts

11
Nations





Climate
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