

State of the climate



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January 2026

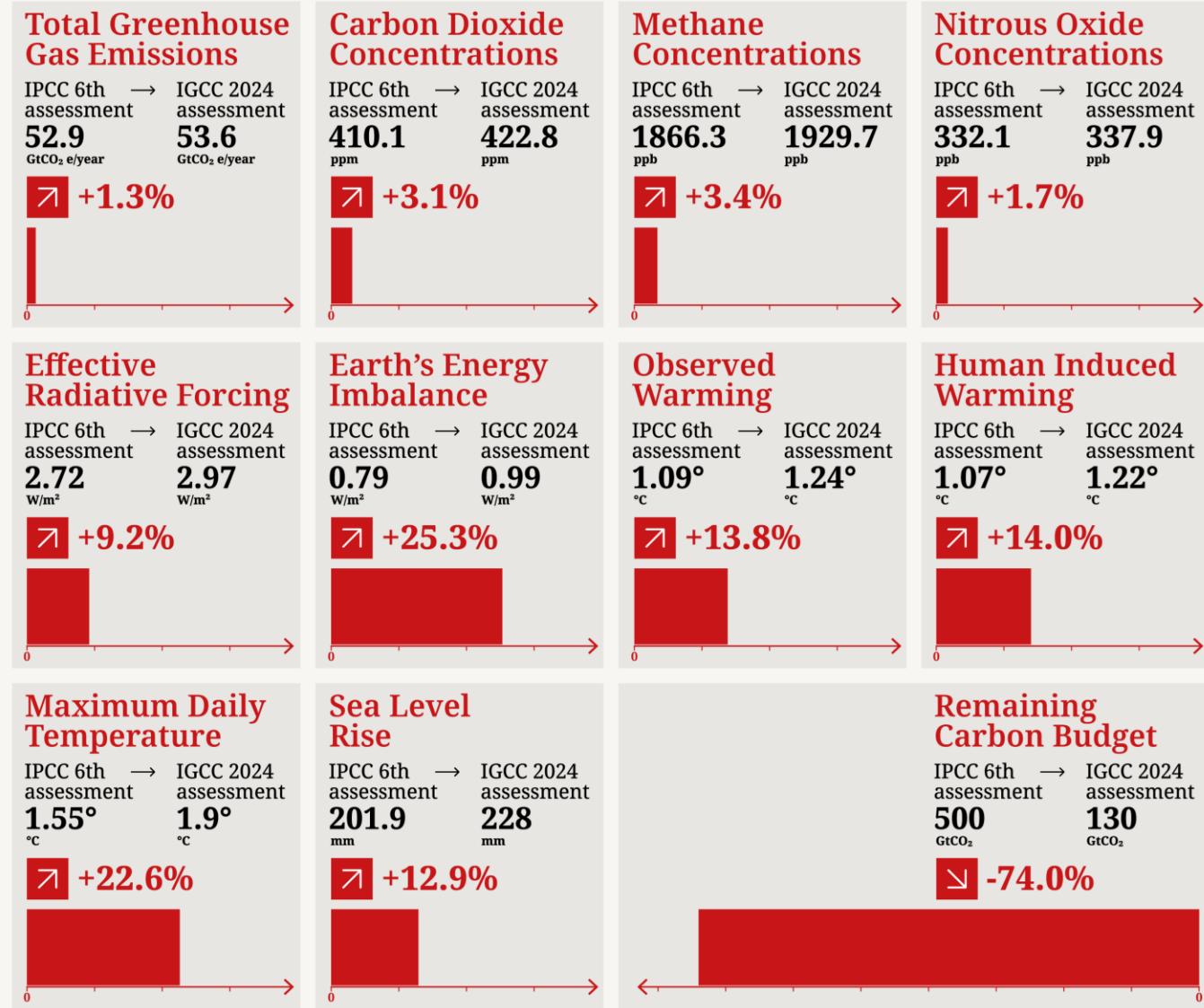
Annual update of indicators of global climate change shows worrying, yet unsurprising, trends in the wrong direction.



Key Indicators of Global Climate Change

Since IPCC Sixth Assessment Report

Percentage change in climate indicators since the IPCC 6th Assessment Report



Source: Forster P.M. et al (2025). Indicators of Global Climate Change 2024: annual update of key indicators of the state of the climate system and human influence <https://doi.org/10.5194/essd-17-2641-2025>

**Annual update of
indicators of global
climate change shows
*worrying, yet
unsurprising, trends in
the wrong direction.***

**We are approaching
1.5°C of global warming**

Observed Warming

IPCC 6th → IGCC 2024
assessment assessment
1.09° °C **1.24°** °C

↗ +13.8%



Human Induced Warming

IPCC 6th → IGCC 2024
assessment assessment
1.07° °C **1.22°** °C

↗ +14.0%



Remaining Carbon Budget

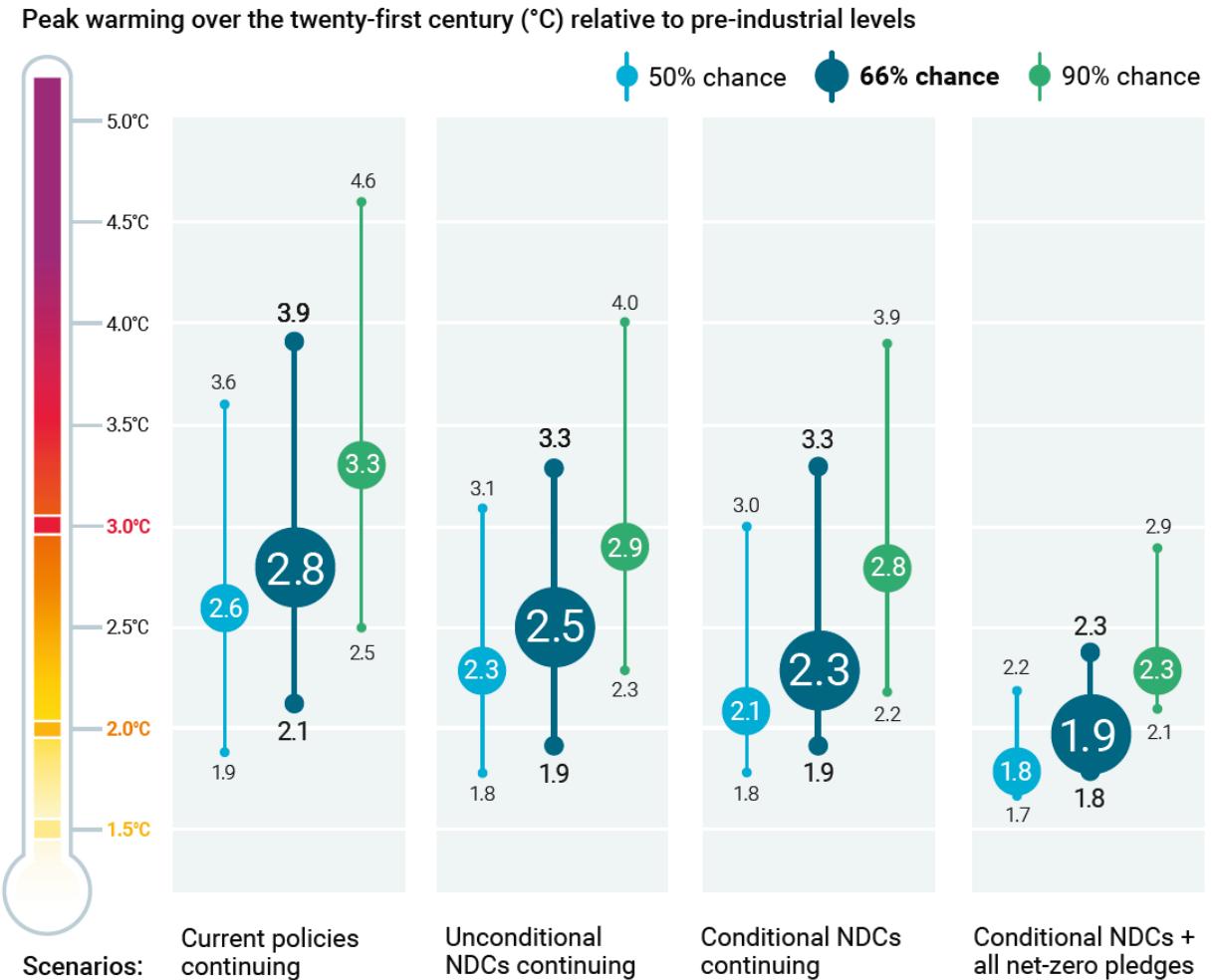
IPCC 6th → IGCC 2024
assessment assessment
500 GtCO₂ **130** GtCO₂

↘ -74.0%



Source: Forster P.M. et al (2025). Indicators of Global Climate Change 2024: annual update of key indicators of the state of the climate system and human influence <https://doi.org/10.5194/essd-17-2641-2025>

Current policies put global warming well beyond 1.5°C and 2°C

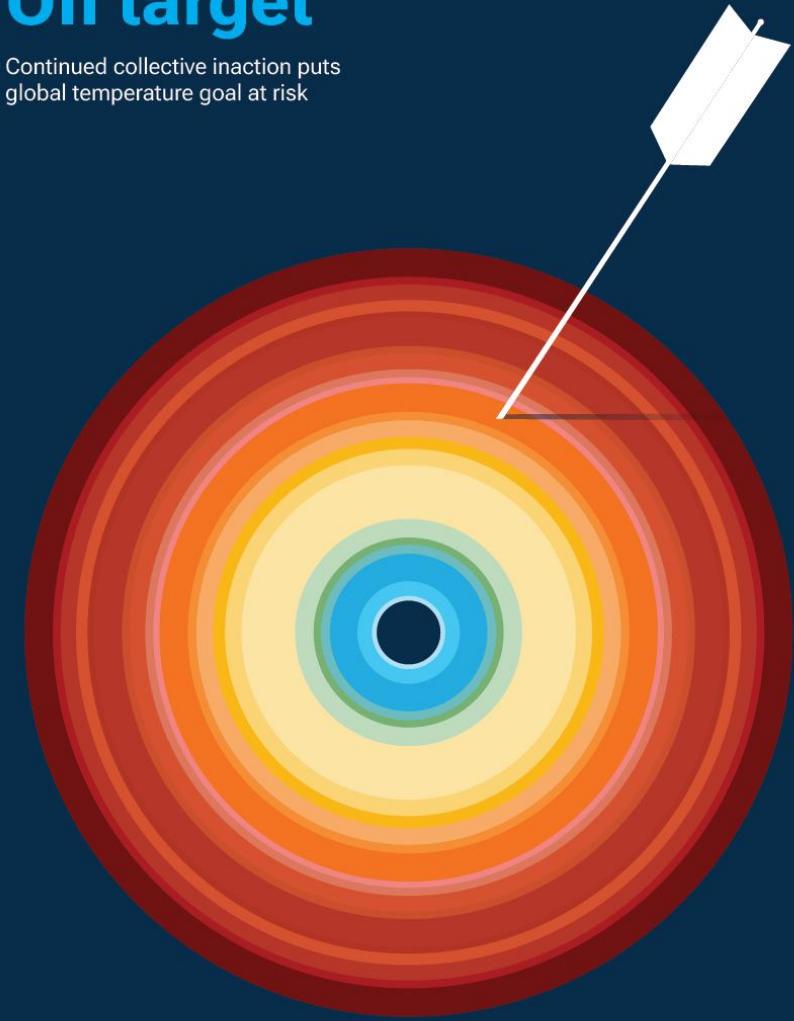


Source: Rogelj, de Elzen & Tong (2025), UNEP Emissions Gap Report 2025

Imperial College London

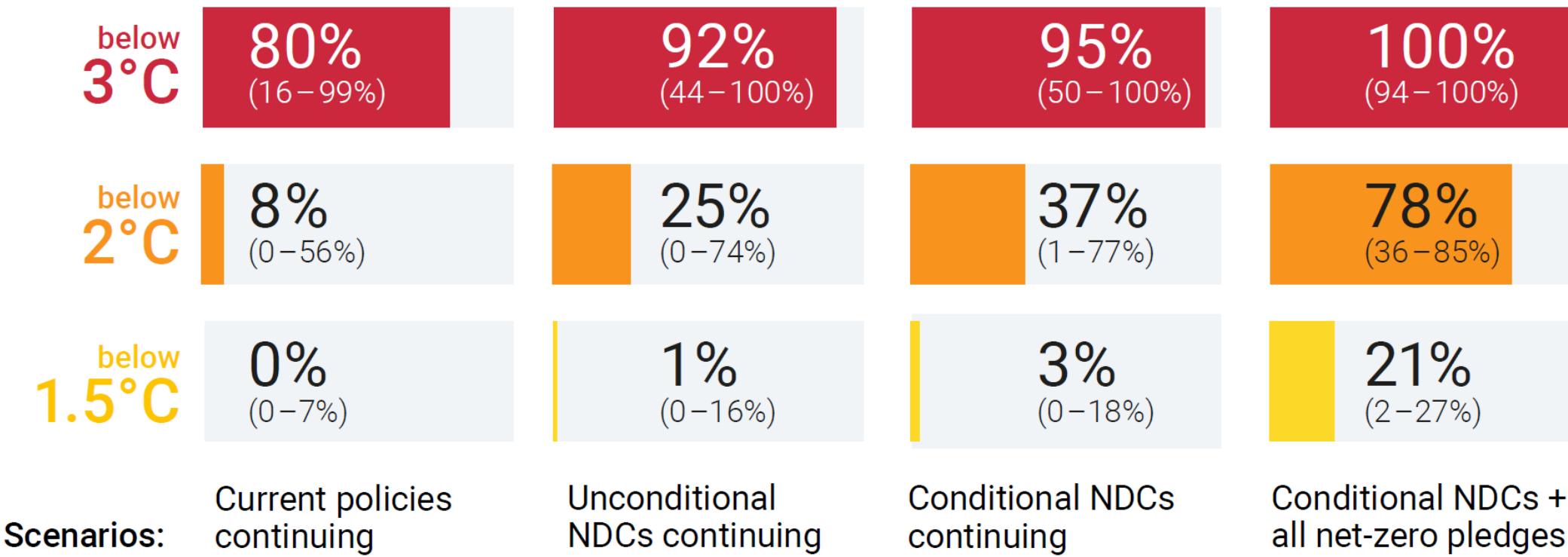
Off target

Continued collective inaction puts global temperature goal at risk



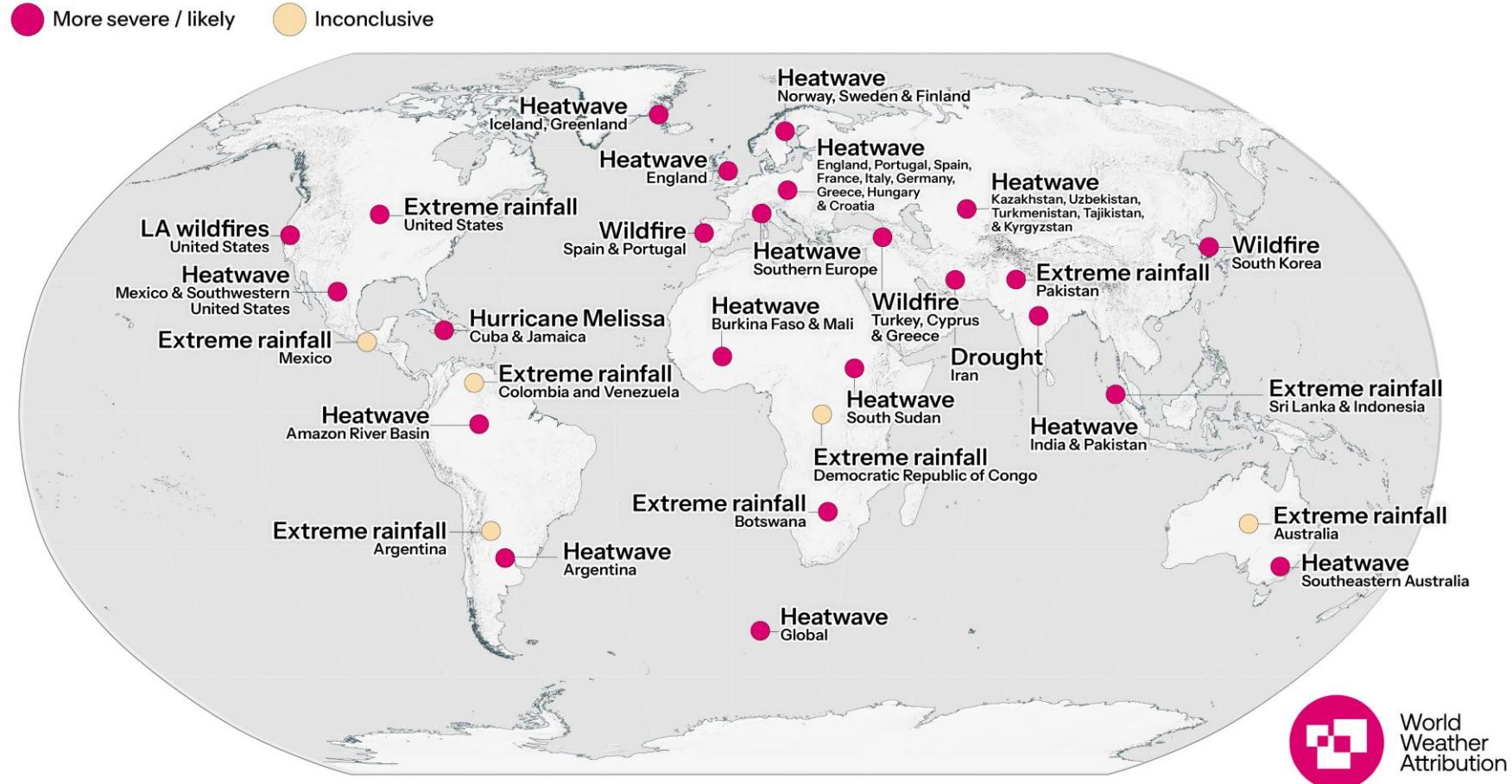
All Paris Agreement limits crossed if action is not strengthened

Likelihood of limiting warming below a specific temperature limit (%) over the twenty-first century



Climate change significantly exacerbated extreme weather in 2025

World Weather Attribution studies 2025



Source: Otto, F. et al., (2025): Unequal evidence and impacts, limits to adaptation: Extreme Weather in 2025 (WWA scientific report No. 79) World Weather Attribution DOI: <https://doi.org/10.25560/126543>

And led to significant health and economic impacts

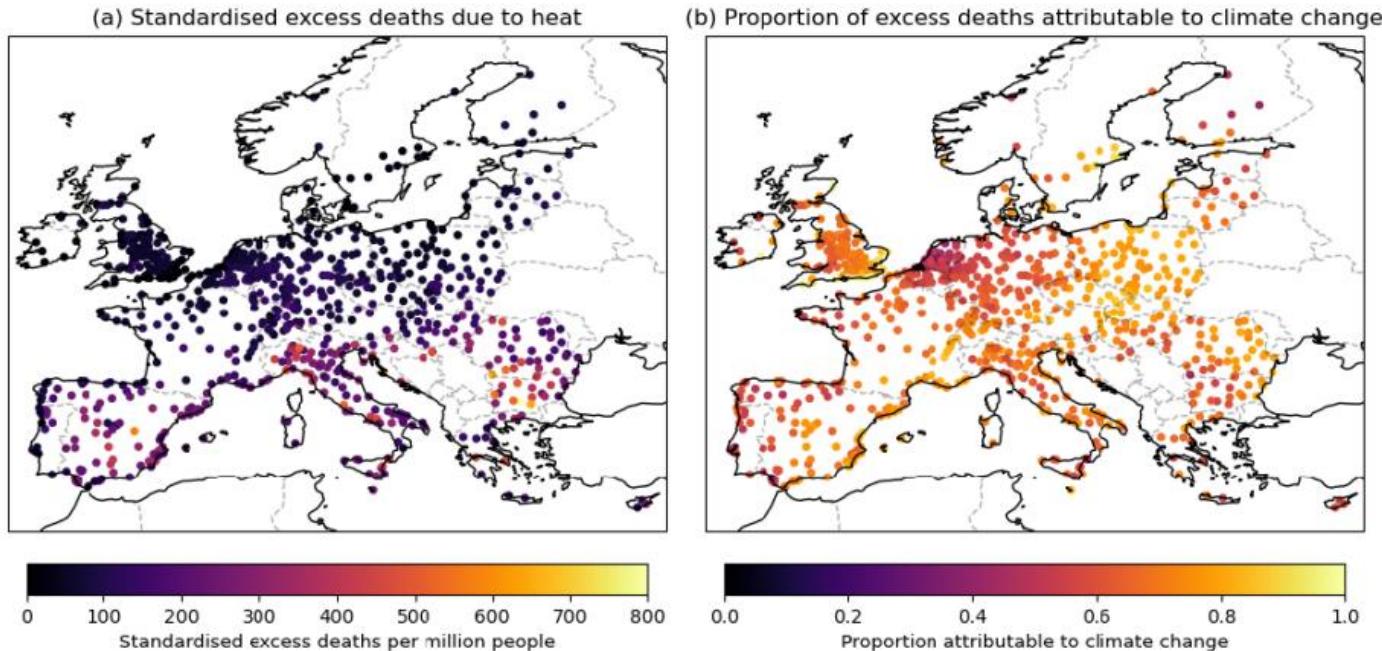
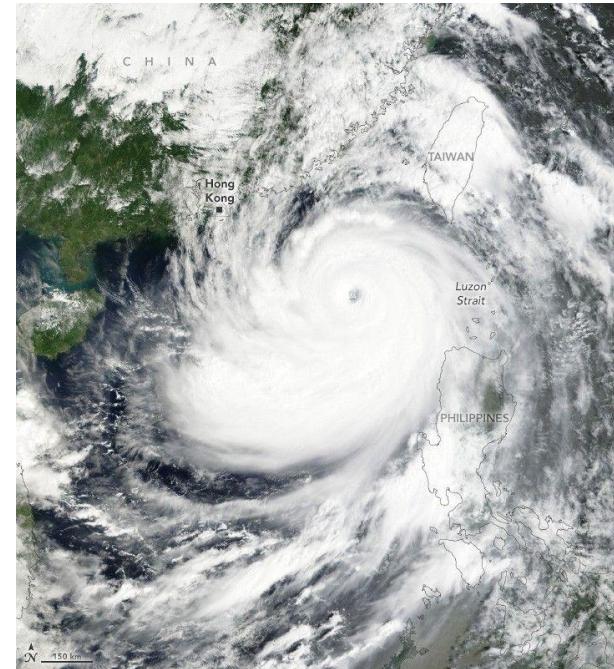


Figure 6: Maps of median standardised excess mortality per million people and median proportion of mortality attributed to climate change by city.

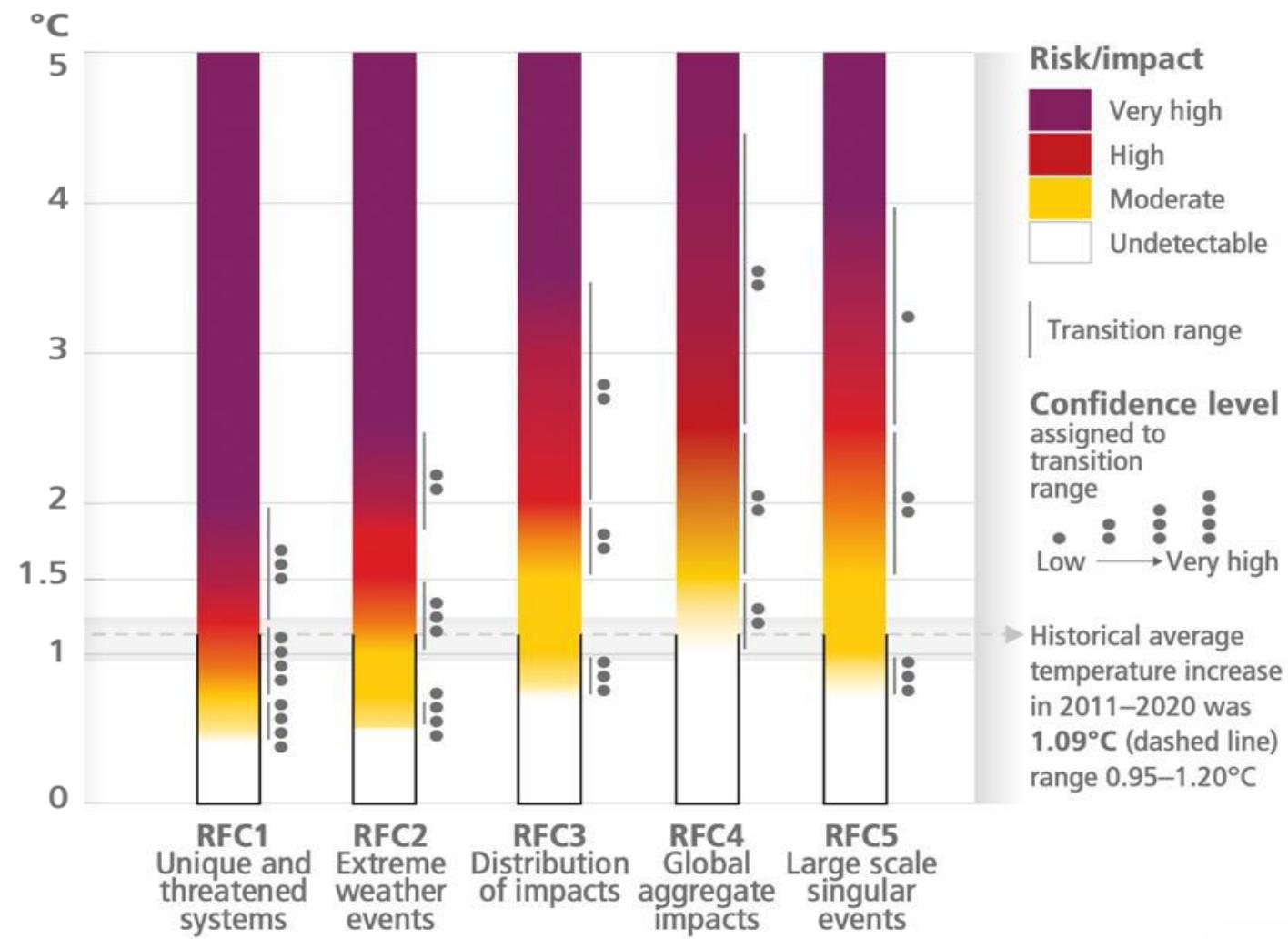
Source: Barnes, C., et al. (2025). Summer heat deaths in 854 European cities more than tripled due to climate change. Grantham Institute report. DOI: <https://doi.org/10.25560/123873>



Typhoon Ragasa

Source: NASA Earth Observatory image by Wanmei Liang

Impacts are only expected to worsen as temperatures go beyond 1.5°C



Source: IPCC Sixth Assessment Synthesis Report (2023)

The case for accelerating climate action is stronger than ever

- Double down on mitigation efforts to limit temperature rise to as close as possible to 1.5°C, as every fraction of a degree matters
- Adaptation and resilience building efforts need scaling up and embedding across all parts of the economy
- Extreme events today already point to potential limits to preparedness and adaptation, strengthening the case for mitigation action and highlighting the need to address losses and damages from unavoidable climate impacts.
- Crucially, there are already a wide range of proven, cost-effective solutions that can be rapidly scaled to help close the gap and put us on track for a less dangerous future.

IMPERIAL

Thank you