



Climate change and the urgency of sustainable societal transformation

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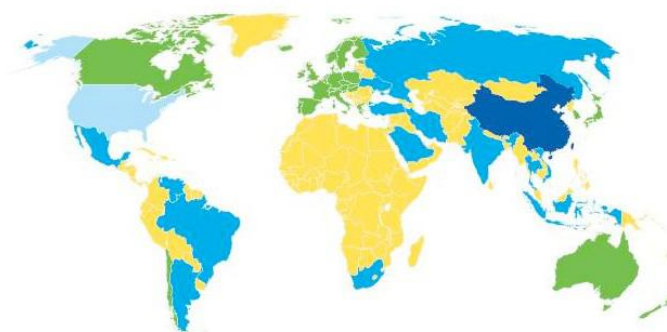
Bjerknes Centre for Climate Research
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Photo: William Anders / NASA, 24 Dec 1968

Agenda 2030 - SDGs



Likelihood of meeting goals



Agenda 2030 - SDGs



The progress is not fair enough

Red indicators in all regions. Within countries, and between countries. A key objective of the SDGs is that no-one gets left behind: on the forecast trajectory, the world will fail.



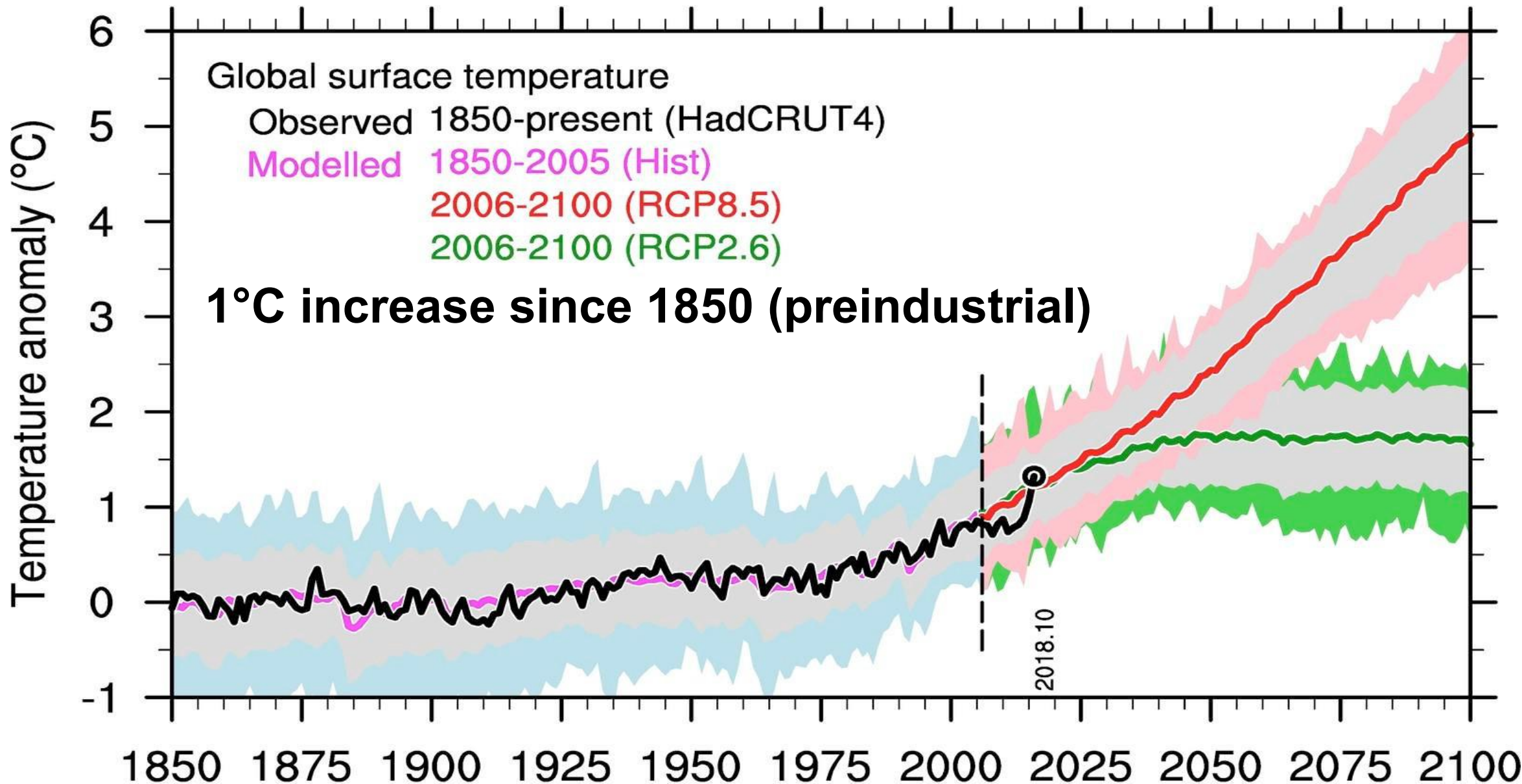
Lack of climate action is a showstopper

Climate change is a global challenge: we succeed or fail as one planet. Lack of sufficient progress on climate action forms a barrier towards achieving most other global goals.

1200 tons of CO₂ emitted - every second

Increased 30% since 1958, highest in 3 mill years





Paris Dec 2015 – A game changer

- ✓ all countries, all emissions (Kyoto 10-15%)
- ✓ national climate plans, revised every 5. years
- ✓ warming well below 2°C, down to 1.5°C
- ✓ 100 billion USD each year to support low-income countries

IPCC tasked to close knowledge gaps

Oct 2018: The 1.5°C report



What are the impacts of 1.5°C versus 2°C warming (from preindustrial)?

What is needed to reach the Paris targets?

What are the synergies or trade offs – with the SDGs?

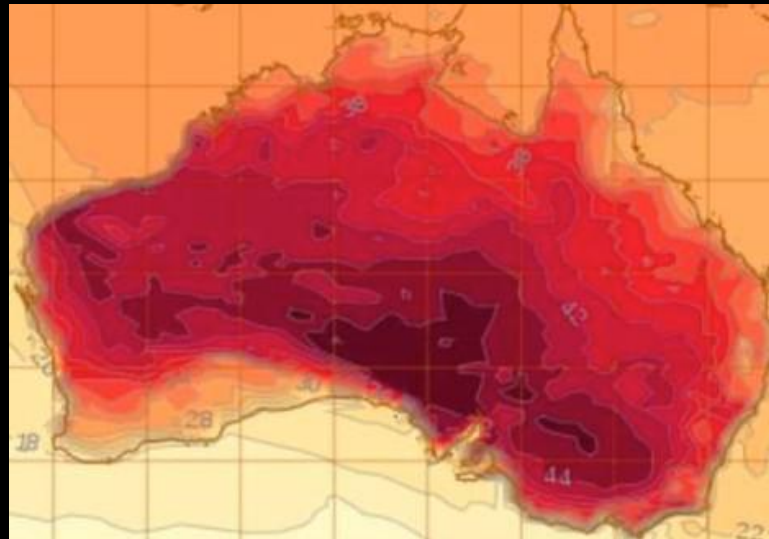
Impacts of 1.5°C versus 2°C :



Coral reefs: From very frequent mass mortalities to mostly disappear.

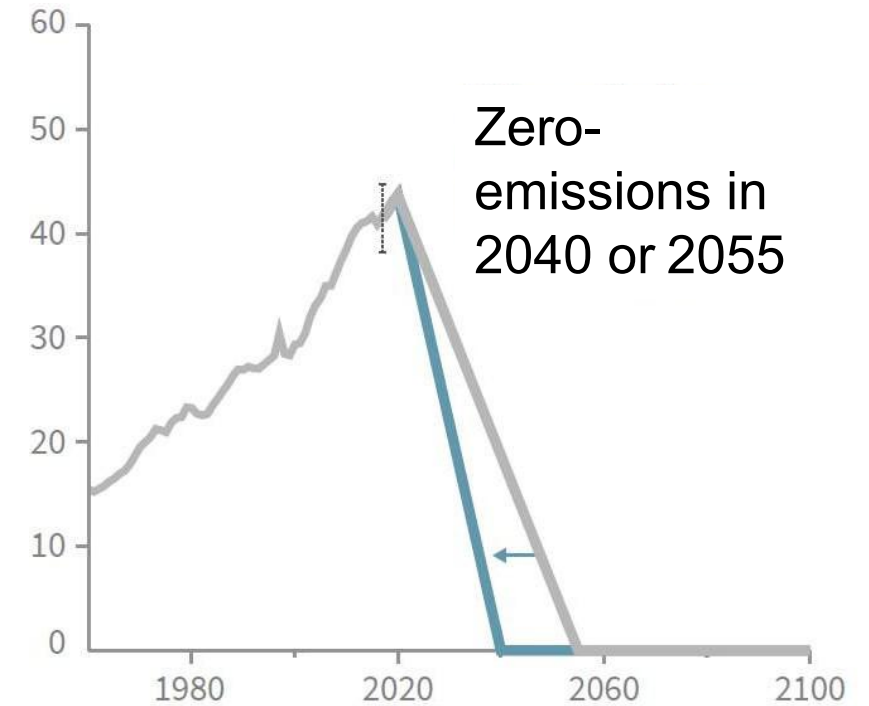
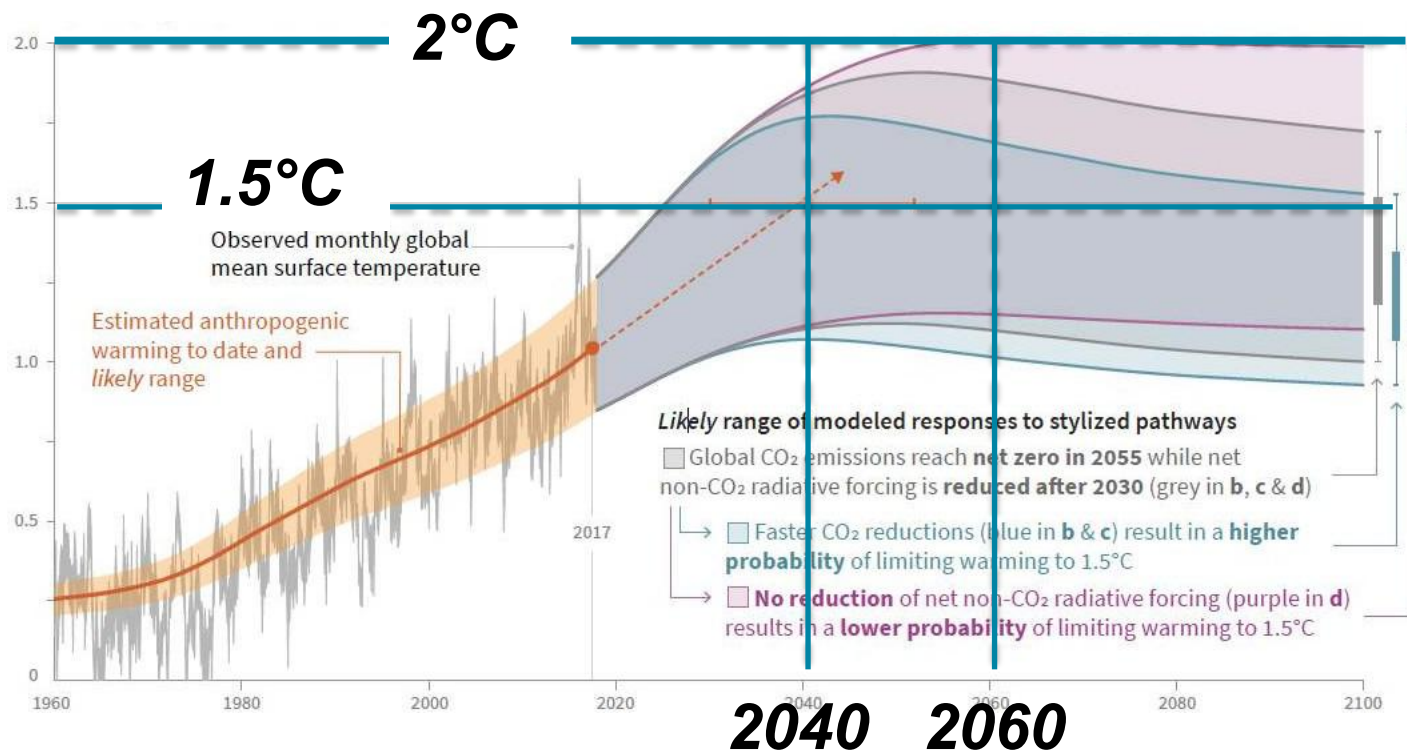


Species losing half their geographic range:
6% versus 18% of insects
8% versus 16% of plants
4% versus 8% vertebrates

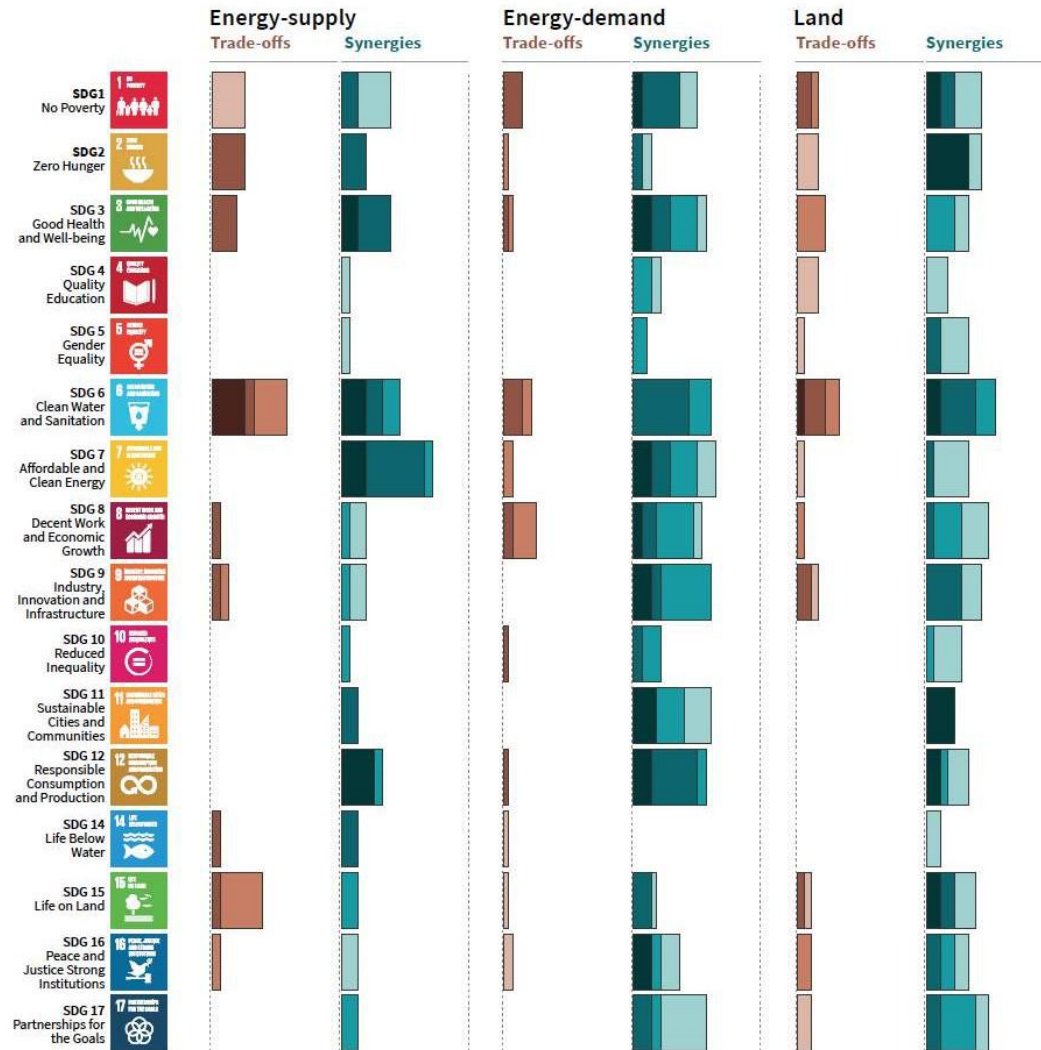


420 million more people frequently exposed to extreme heatwaves, 65 million more exposed to exceptional heatwaves

How to keep warming below 1.5°C



Synergies with the other SDGs



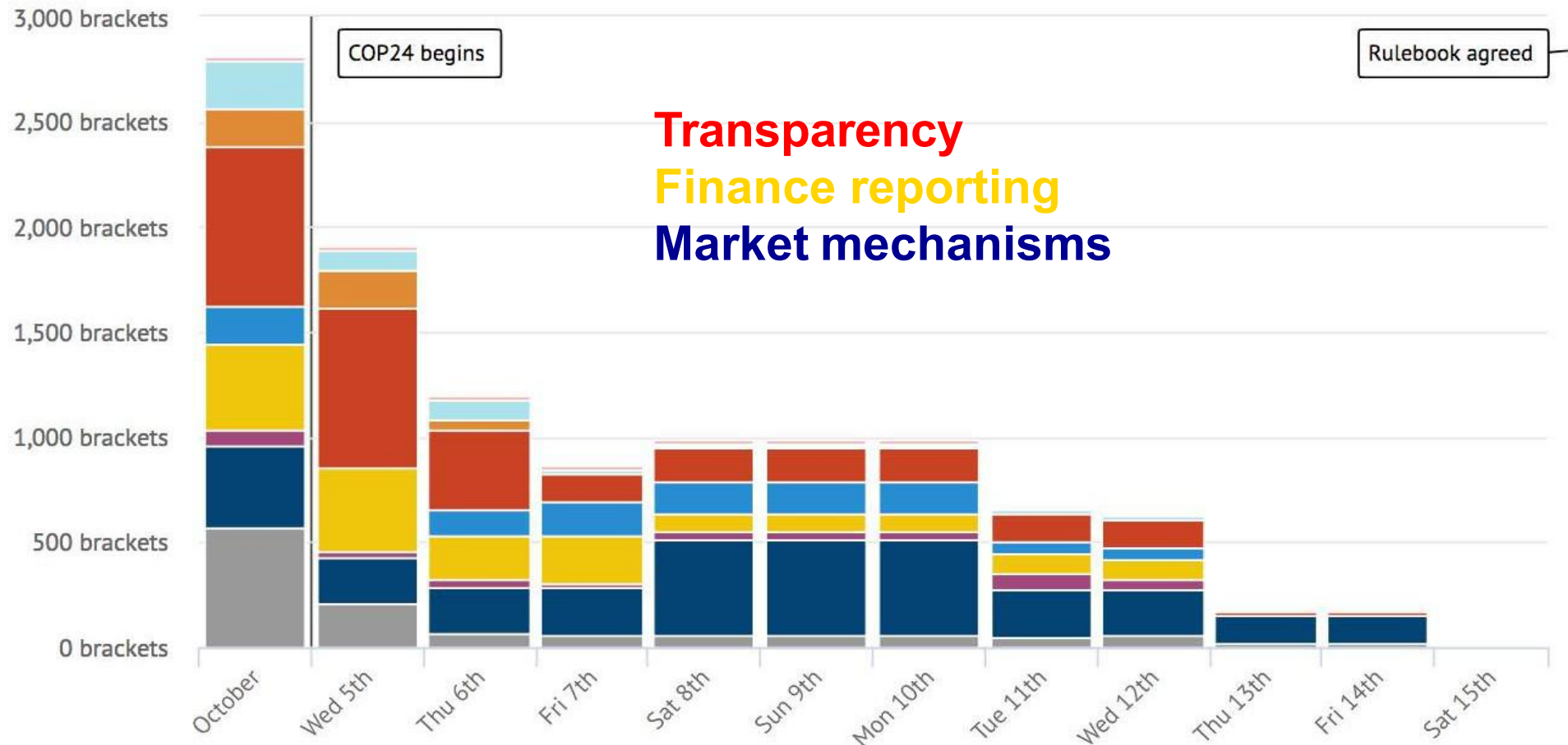
Climate mitigation:
Energy supply, Energy demand, Land use changes

Positive synergies with other SDGs by far exceed negative trade-offs)

Two exceptions: “Clean water” and “Life on land” related to energy supply

Katowice: unresolved issues

- 4 – NDC guidance
- 6 – Market mechs
- 7 – Adaptation comms
- 9 – Finance reporting
- 10 – Tech framework
- 13 – Transparency
- 14 – Global stocktake
- 15 – Compliance
- Other matters



Davos: Climate and inequality

Global development

Record private jet flights into Davos as leaders arrive for climate talk

Experts predict up to 1,500 individual private flights in and out of airfields serving Swiss ski resort for World Economic Forum



The long read

The new elite's phoney crusade to save the world - without changing anything

Richest 0.5% of World's population same emissions as 3,8 billion poorest.

Billionaire fortunes increased 12% last year - the 3.8 billion poorest saw their wealth decline by 11%.

Calls for Just Transition – people, nations, generations



Climate partner Hordaland – Norway's largest private –public network on cc mitigation



Foto: Cecilie Bannow



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