



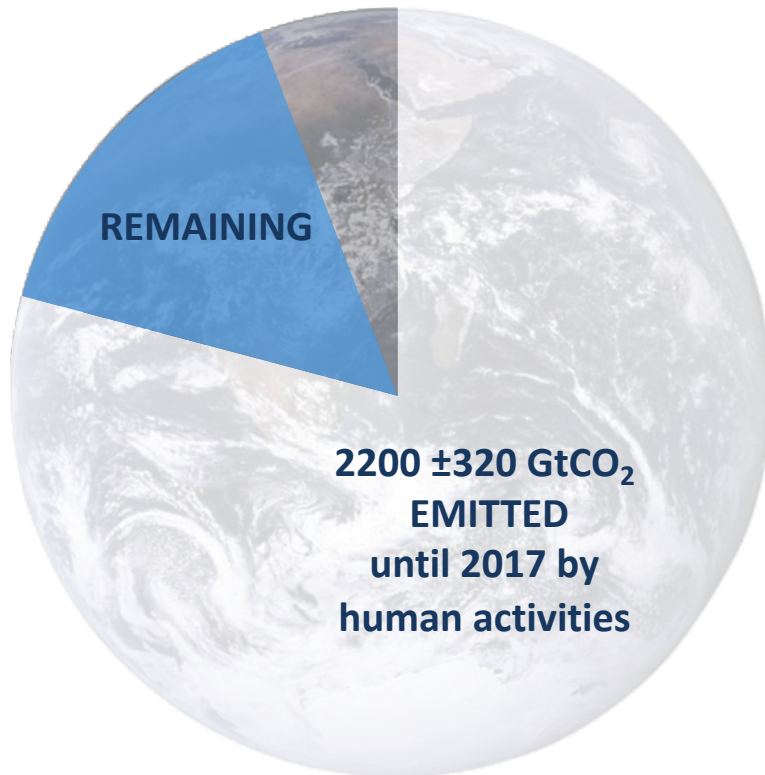
The IEA SDS Scenario in the context of the IPCC Special Report on Global Warming of 1.5°C

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The remaining 1.5°C carbon budget



420 GtCO₂ left (66% chance of 1.5°C)

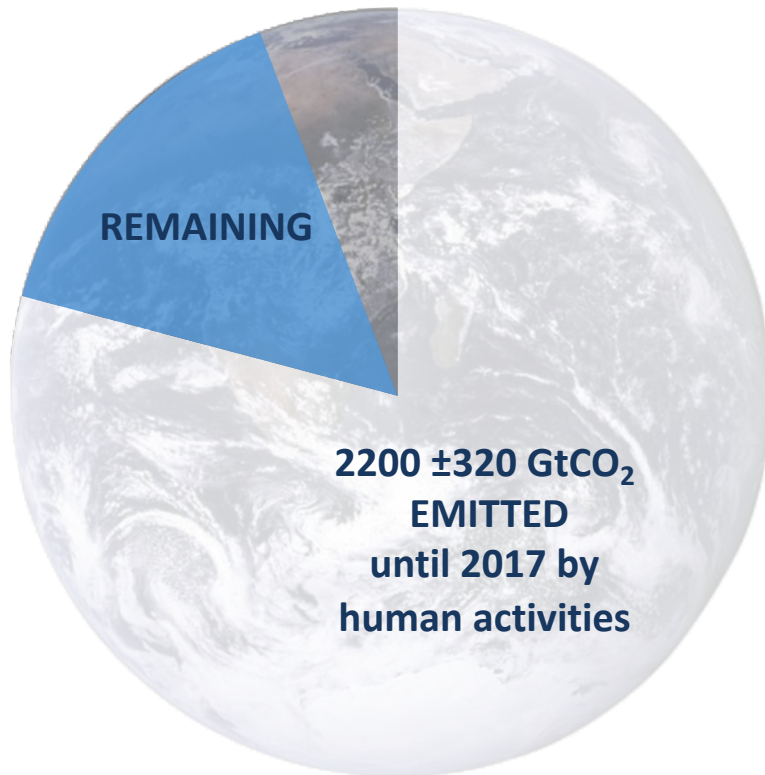
580 GtCO₂ left (50% chance of 1.5°C)

± 400 GtCO₂ geophysical uncertainty

± 250 GtCO₂ depends on non-CO₂ reductions

Unrepresented Earth-system feedbacks result in
100 GtCO₂ decrease of budget until 2100

The remaining 1.5°C carbon budget



Comparison to SDS scenario:

By 2040: about 600 GtCO₂ emitted
Remaining carbon budget for 50% chance of
1.5°C exhausted

Continuing trend last decade to zero:
An additional 240 GtCO₂ emitted

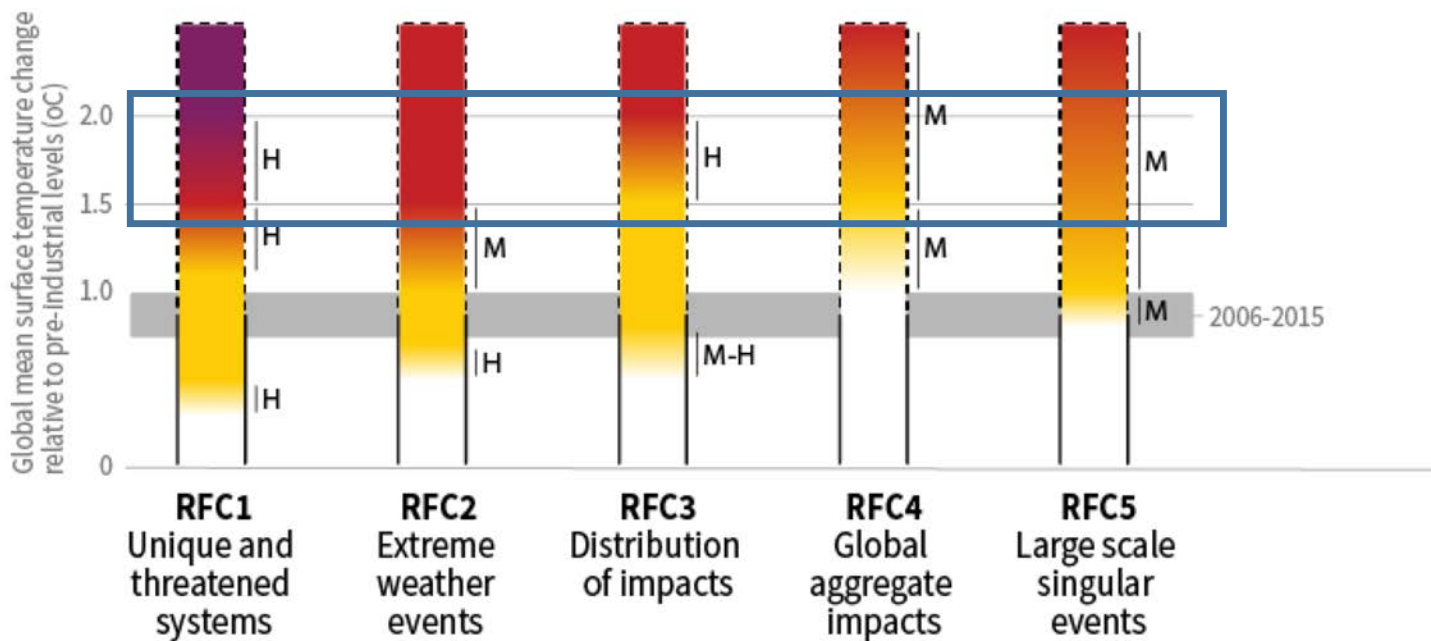
Implications:

50% that 1.5°C is missed by about 0.2°C
Global warming kept to about 1.8°C with 66%

SPM2

How the level of global warming affects impacts and/or risks associated with the Reasons for Concern (RFCs) and selected natural, managed and human systems

Impacts and risks associated with the Reasons for Concern (RFCs)



Confidence level for transition: L=Low, M=Medium, H=High and VH=Very

high

Sustainable development is...



- Long-term vision
- Precautionary principle
- Process of re-negotiation

Image: Peter Essick, India Neil Emmerson, Robert van Waarden / Aurora Photos



<http://www.ipcc.ch/report/sr15/>

Thank you

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