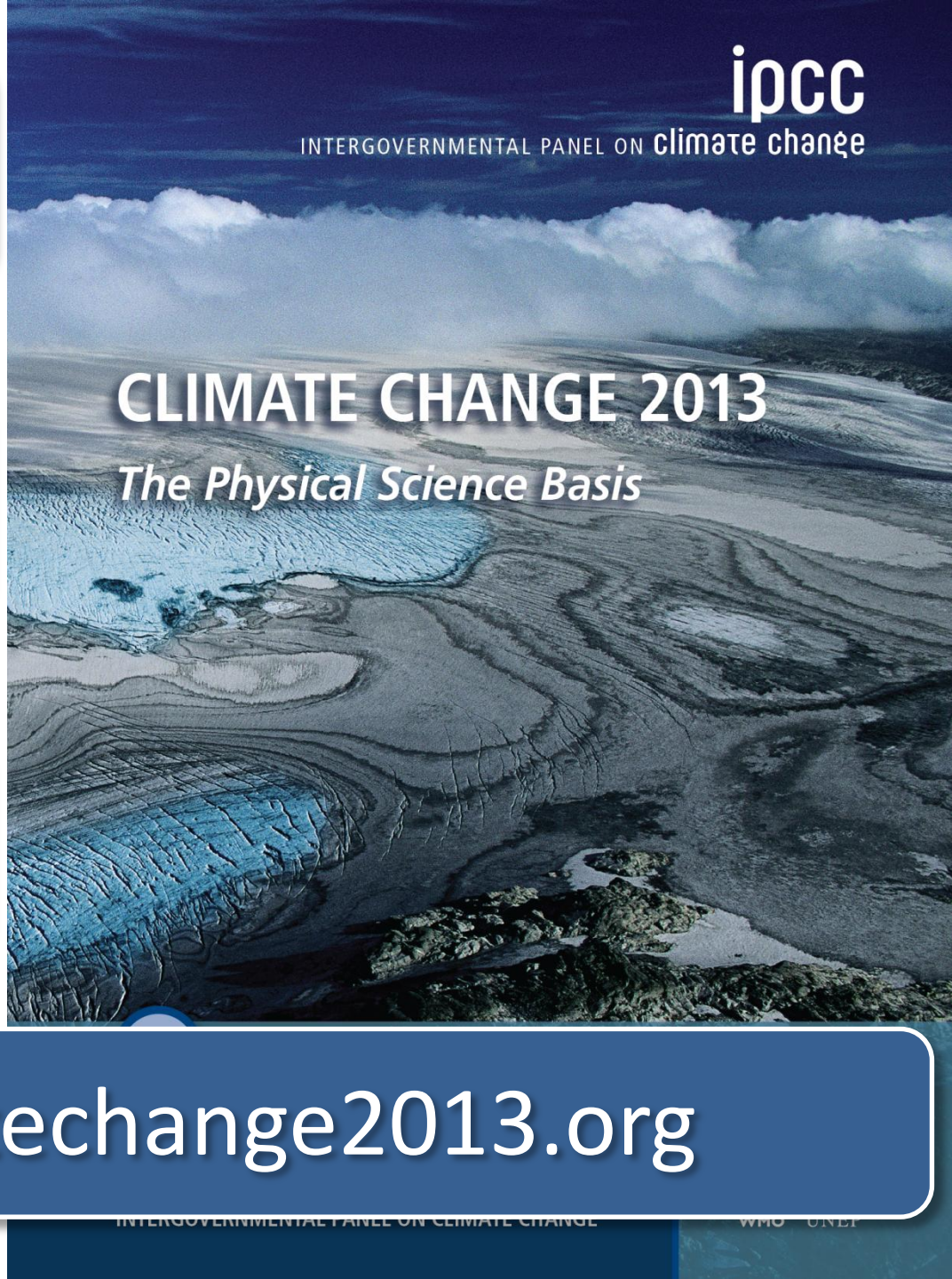
Observations

Understanding

Future



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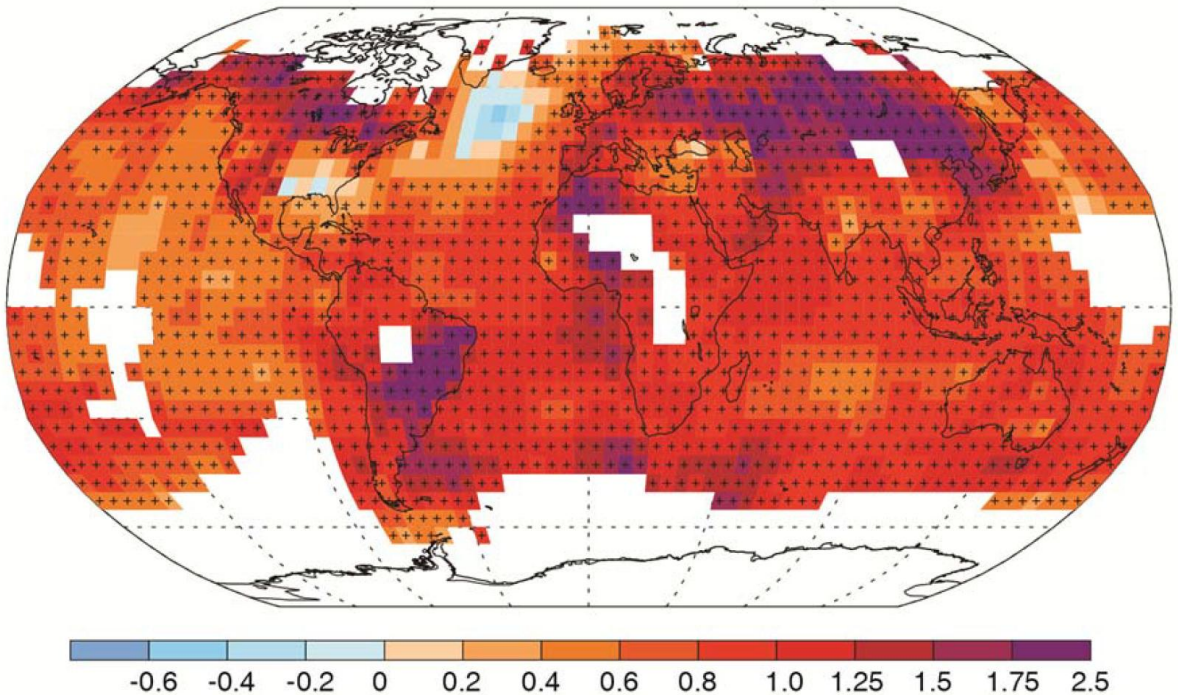
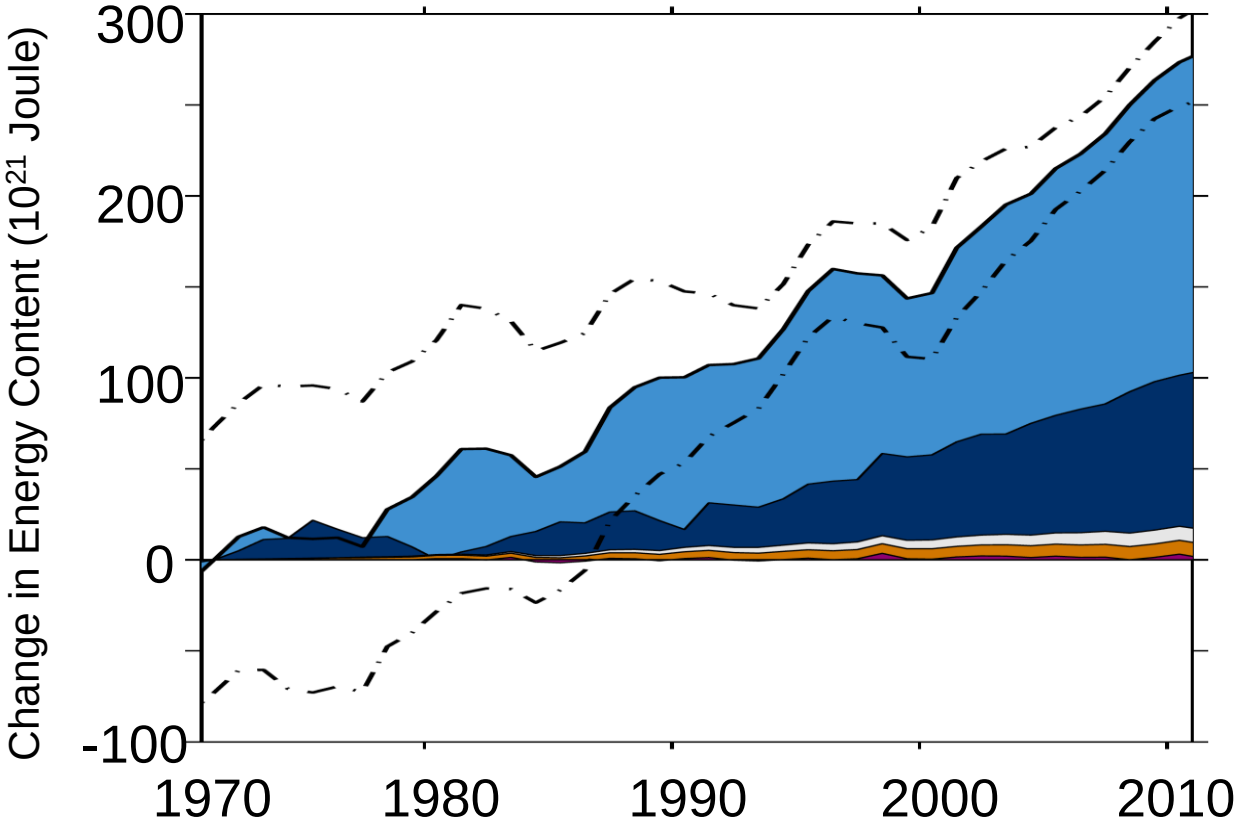
IPCC 2013, Fig. SPM.1b



Temperature Difference 1901 to 2012 based on trend (°C)

Warming of the climate system is unequivocal



Warming of the climate system is unequivocal

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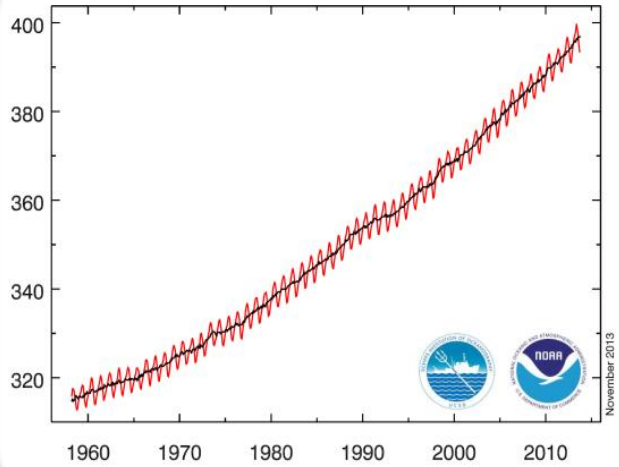
Worldwide Effects

Cause



- atmosphere, land, ocean
- extreme events
- water cycle
- sea ice, glaciers, ice sheets
- global mean sea level

Human influence on the climate system is clear.

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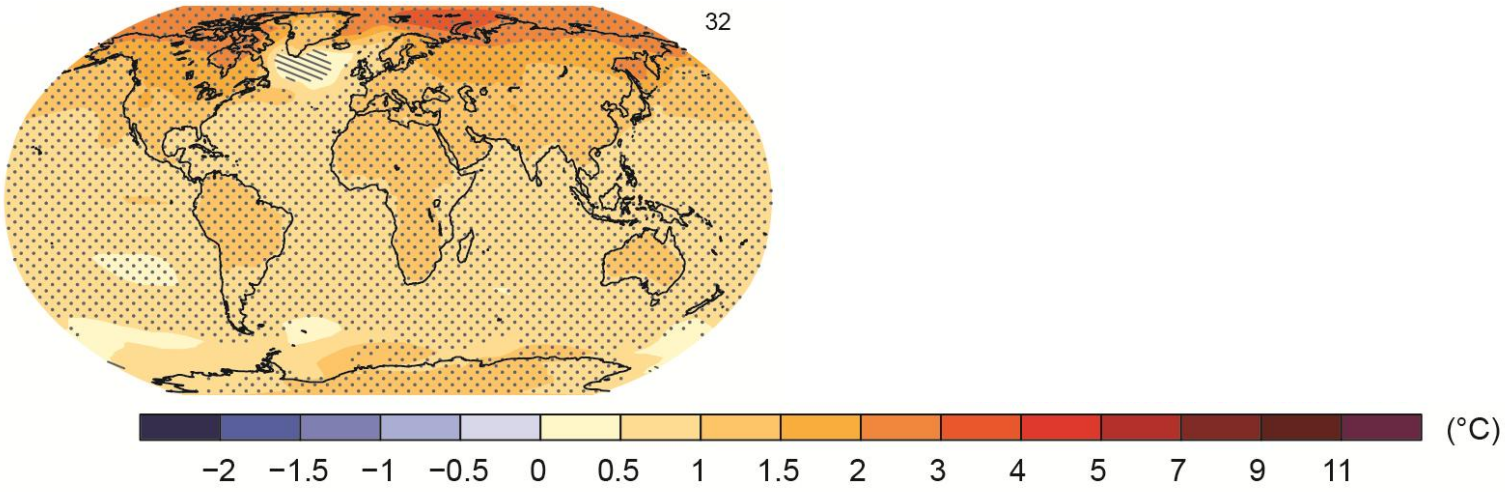
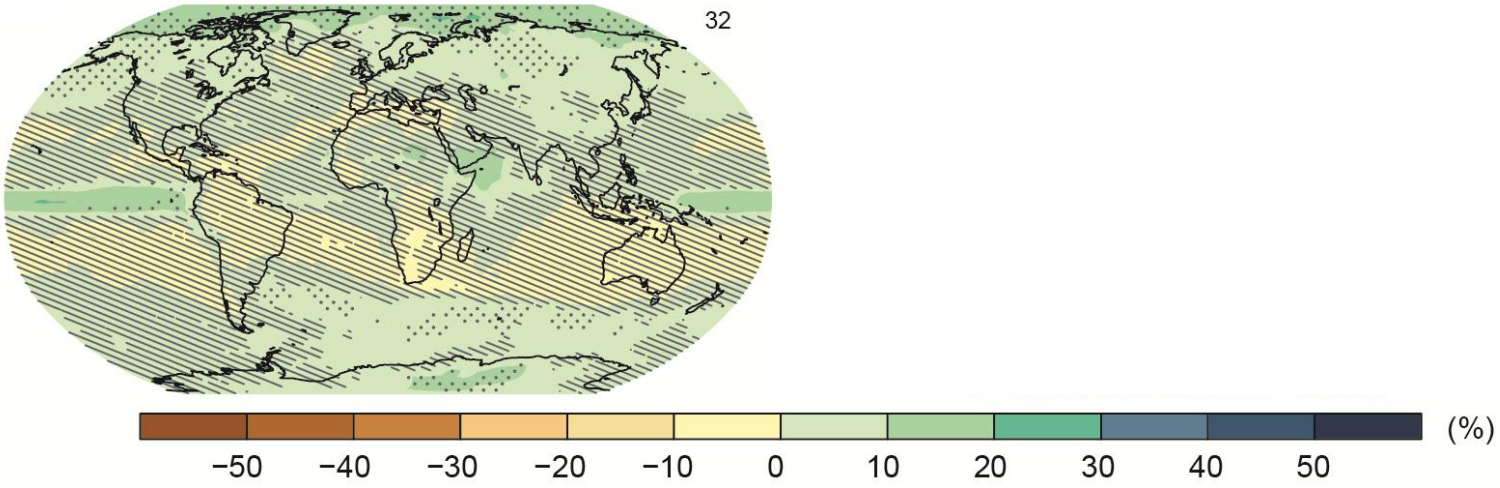
2°C world

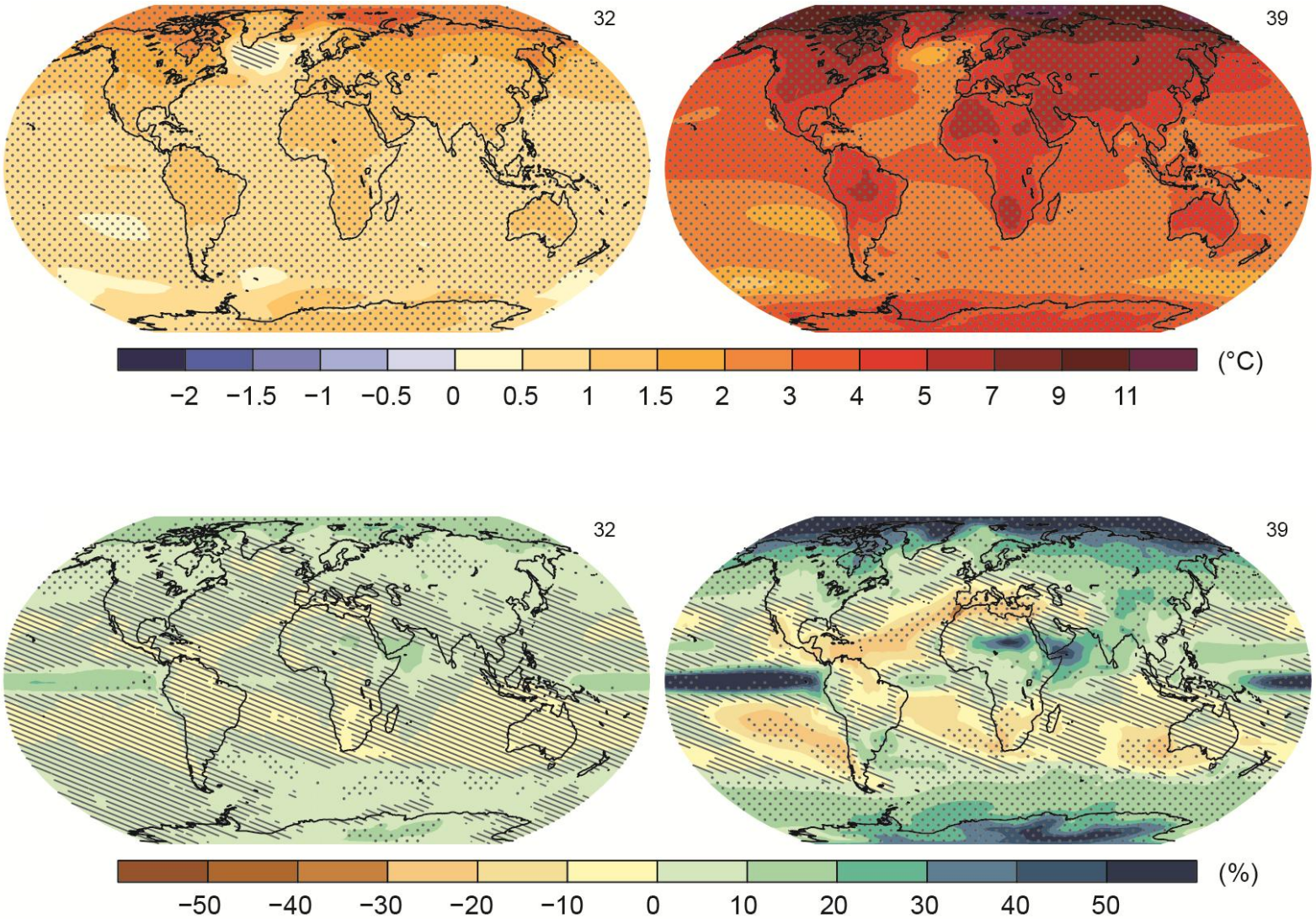




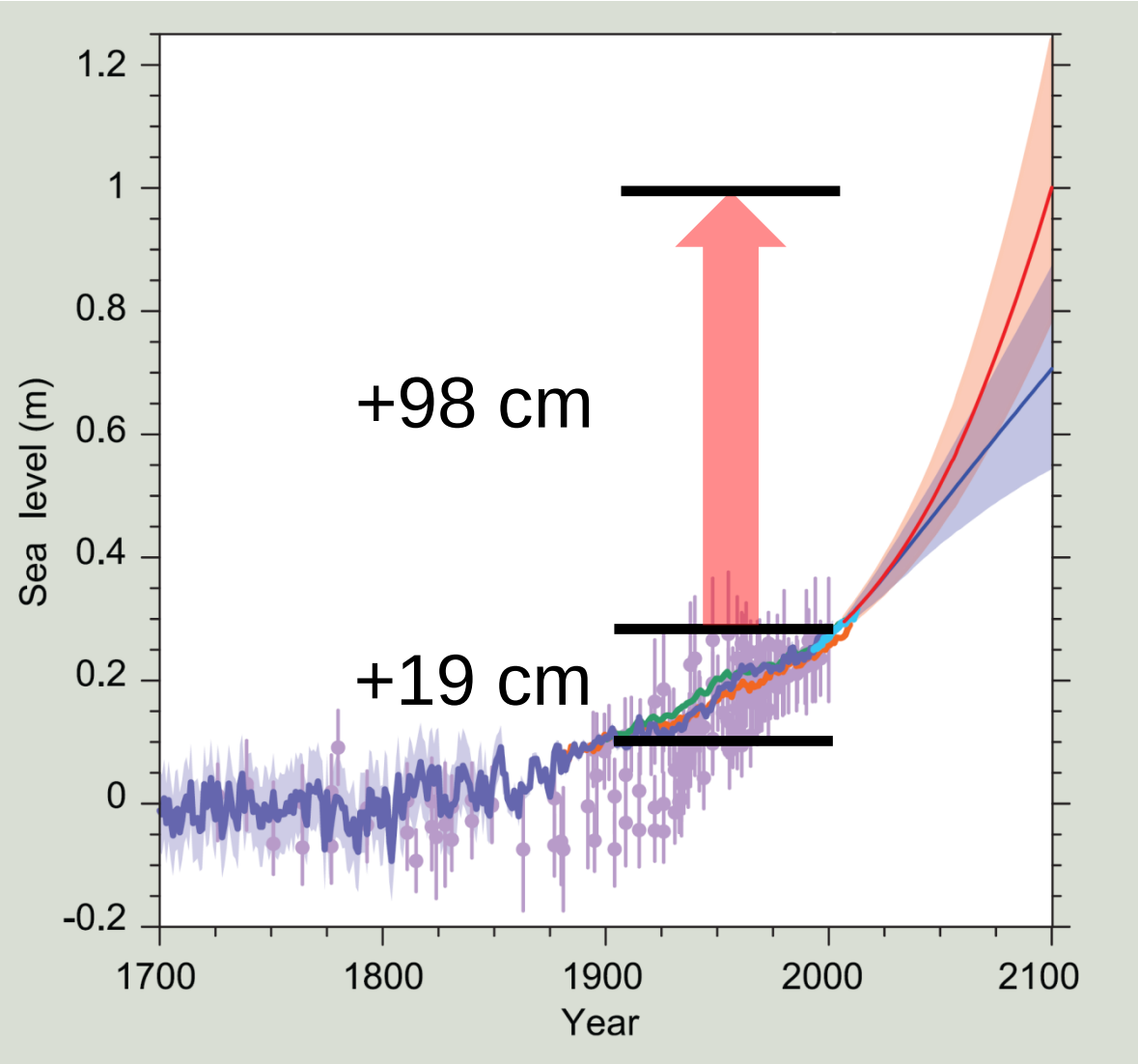
IPCC 2013, Fig. SPM.8

2°C world

4.5°C world



IPCC 2013, Fig. SPM.8



IPCC 2013, TFE.2, Fig. 2

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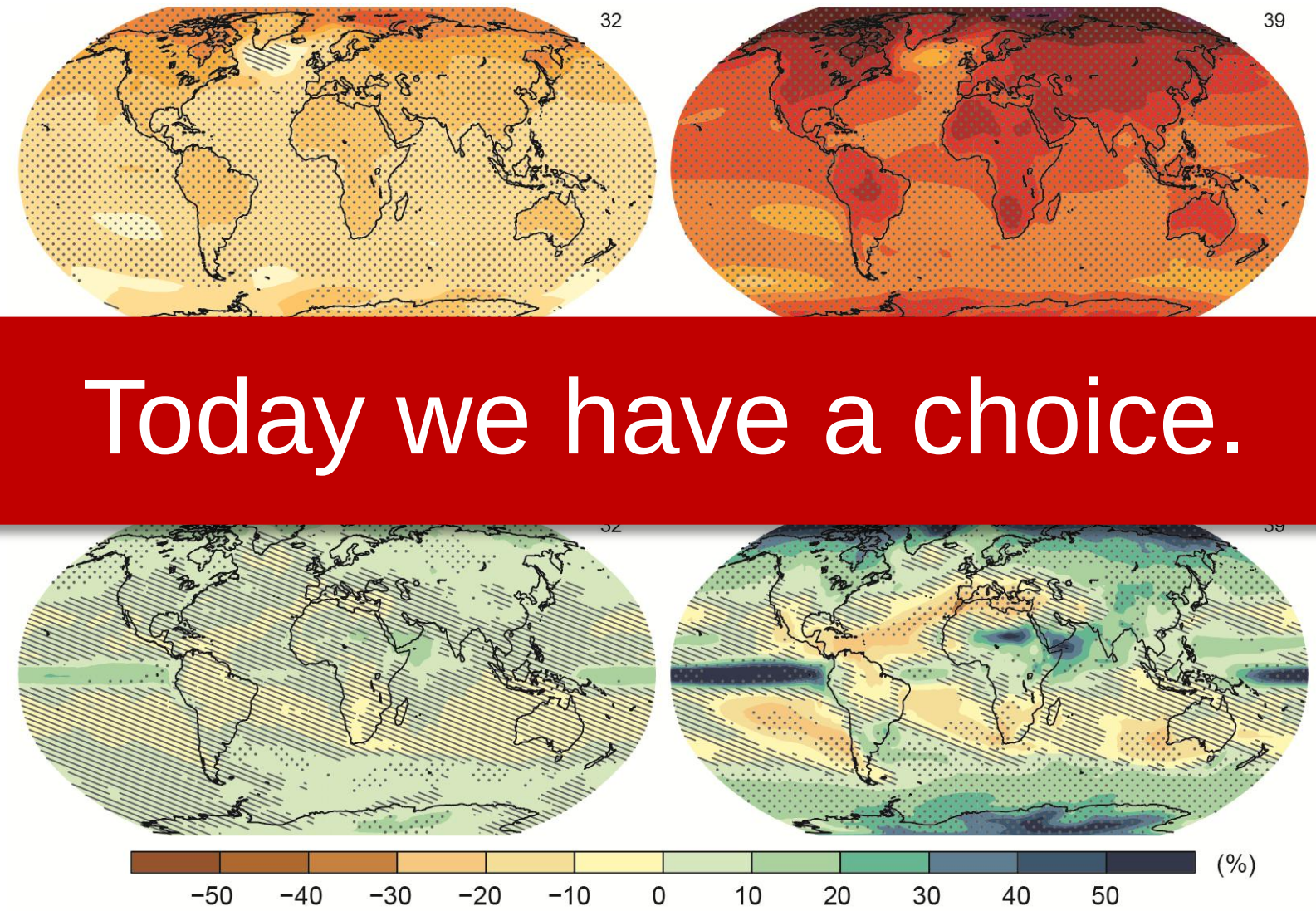
2°C world

4.5°C world



Today we have a choice.

IPCC 2013, Fig. SPM.8

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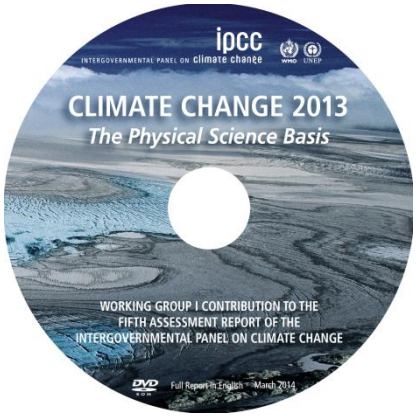

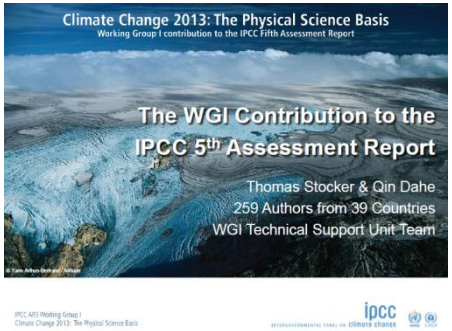

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