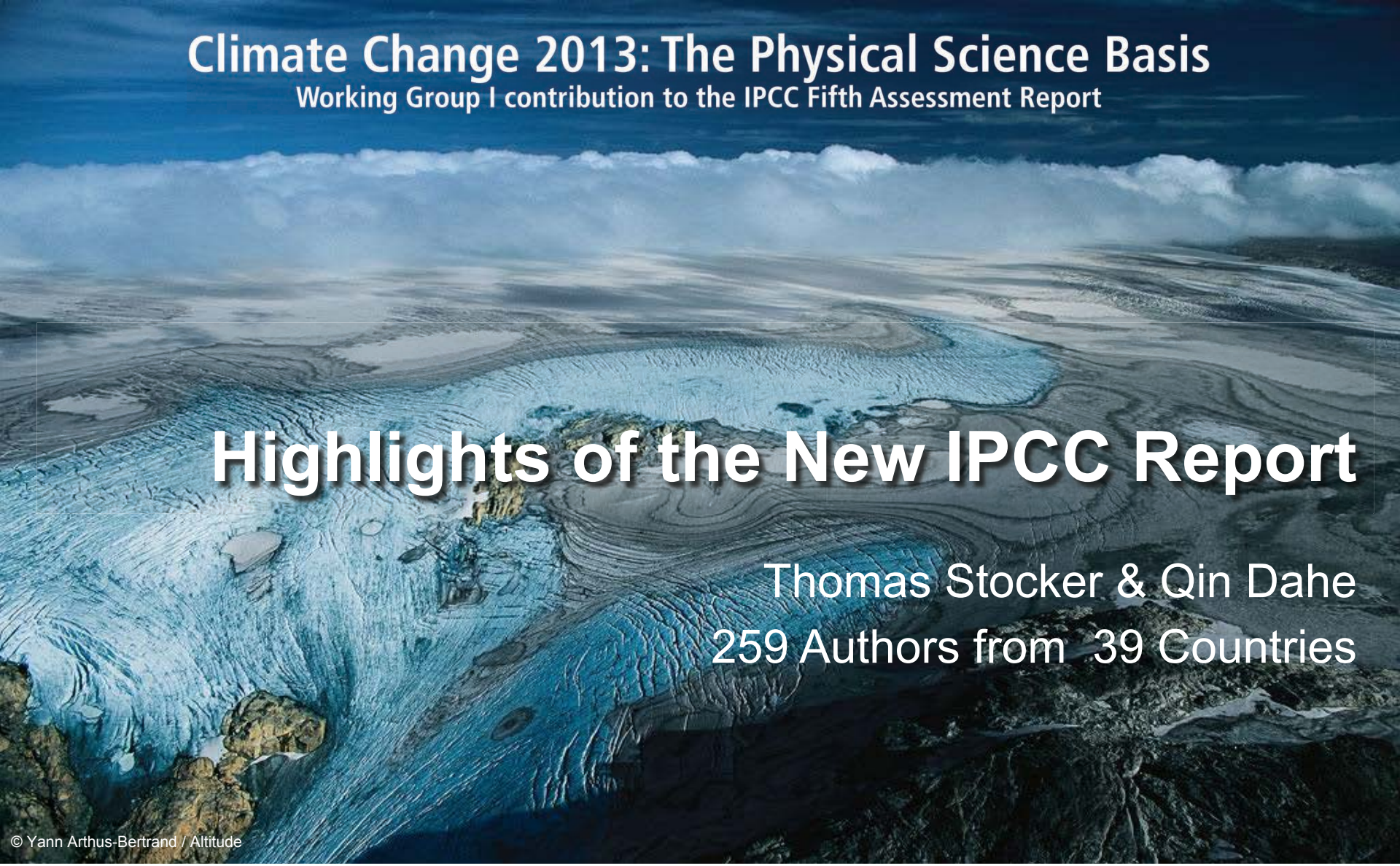

Highlights of the New IPCC Report

Thomas Stocker & Qin Dahe
259 Authors from 39 Countries

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ipcc
INTERGOVERNMENTAL PANEL ON climate change
WMO UNEP

Key SPM Messages

19 Headlines

on less than 2 Pages

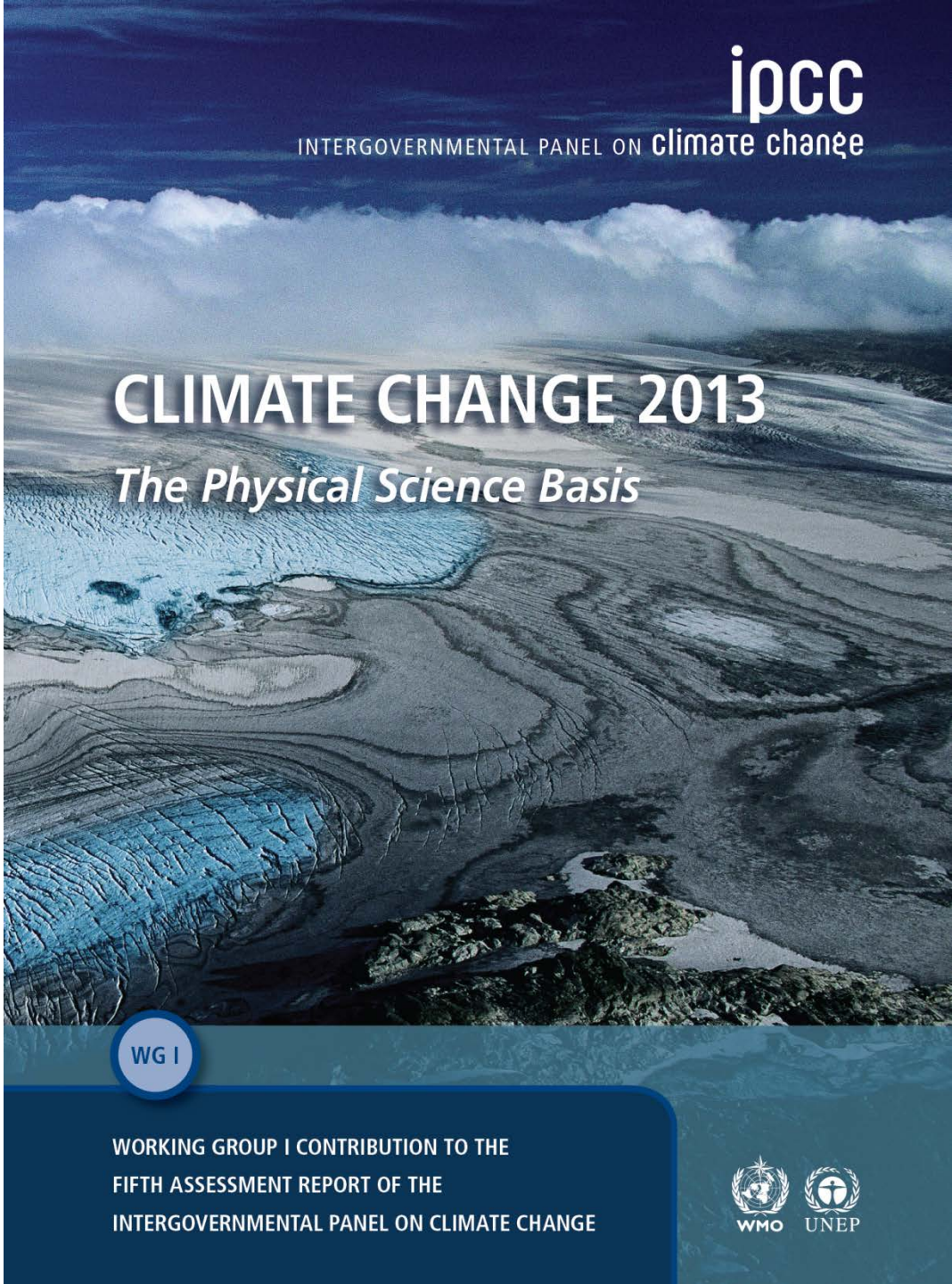
Summary for Policymakers
ca. 14,000 Words

14 Chapters
Atlas of Regional Projections

54,677 Review Comments
by 1089 Experts

2010: 259 Authors Selected

2009: WGI Outline Approved



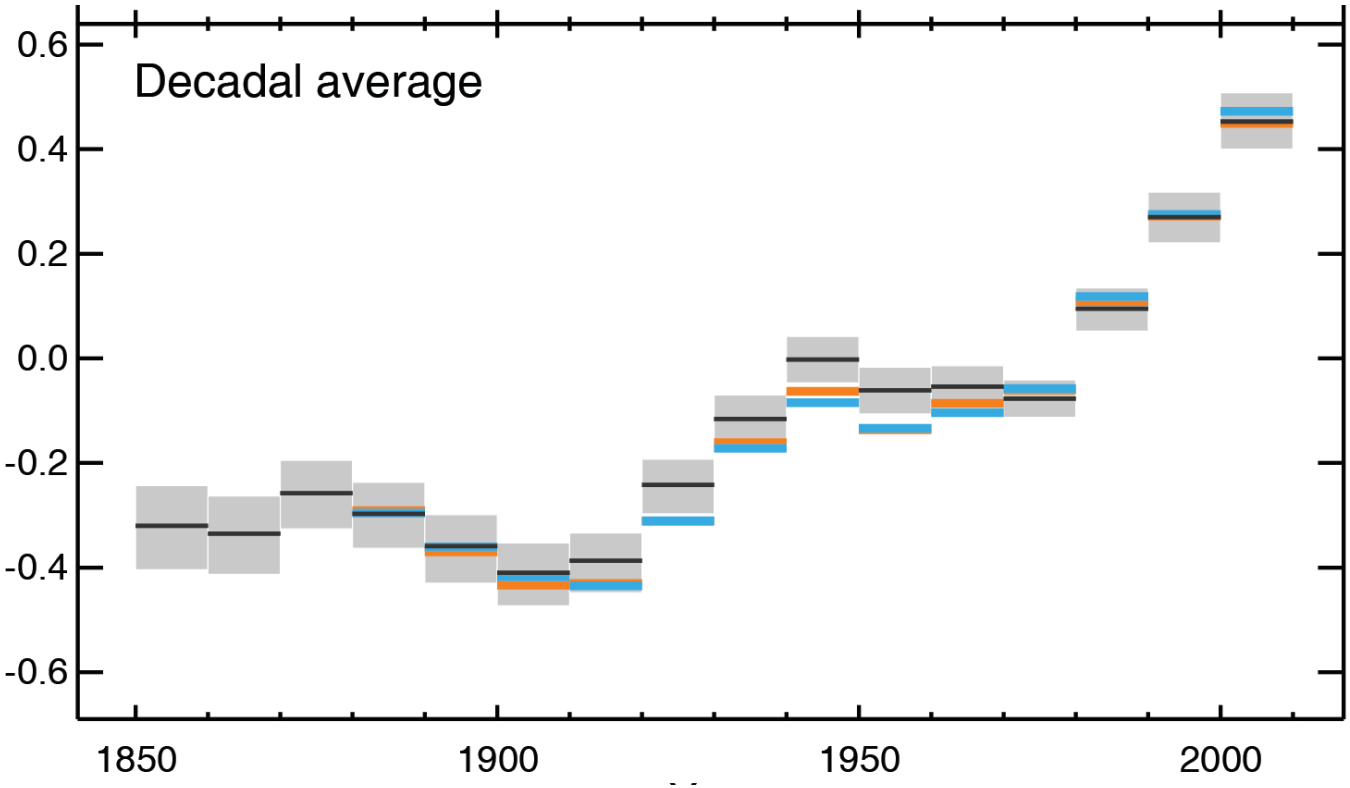


Fig. SPM.1a

Each of the last three decades has been successively warmer at the Earth's surface than any preceding decade since 1850.

In the Northern Hemisphere, 1983–2012 was *likely* the warmest 30-year period of the last 1400 years (*medium confidence*).

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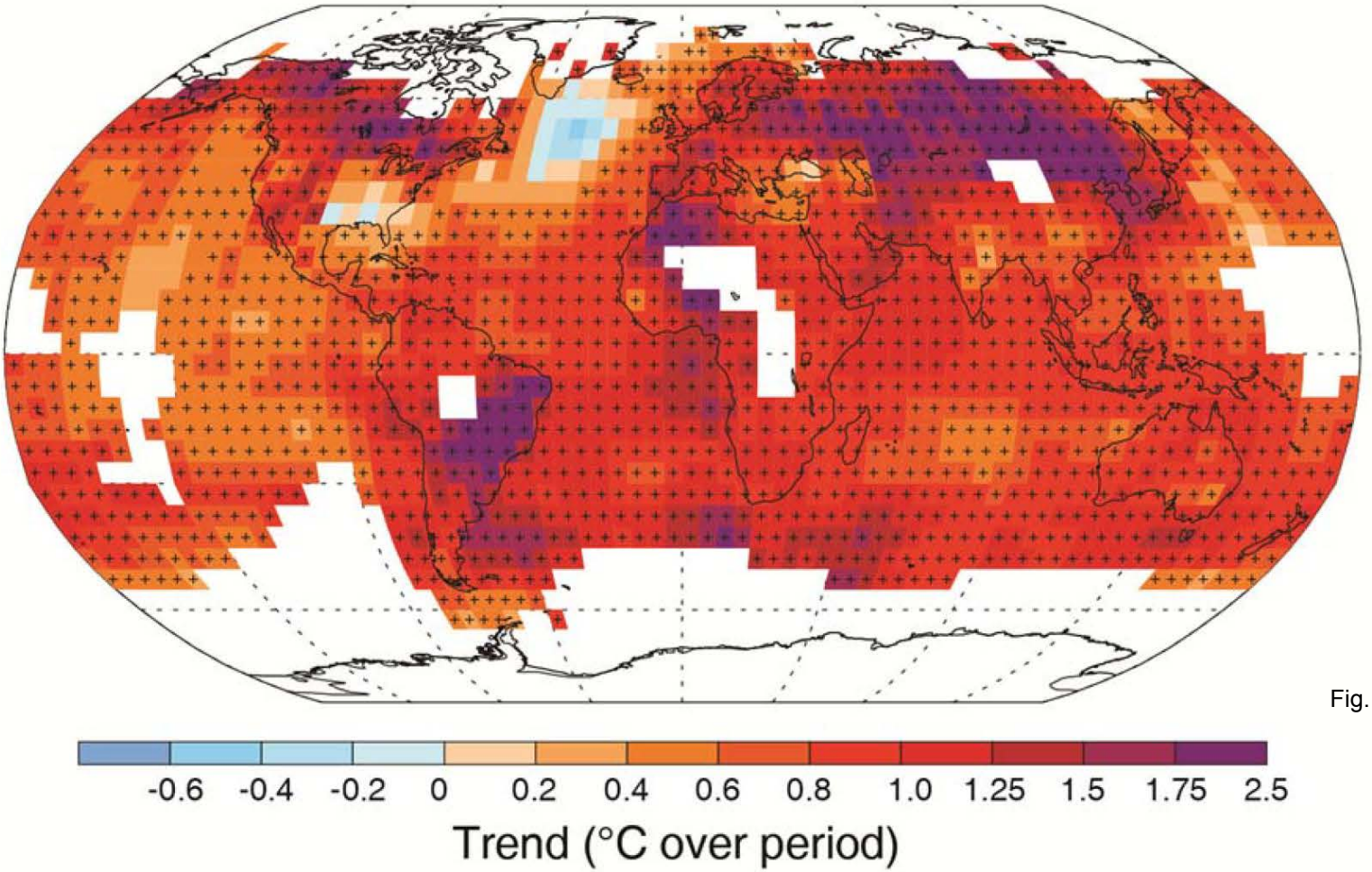


Fig. SPM.1b

Warming in the climate system is unequivocal

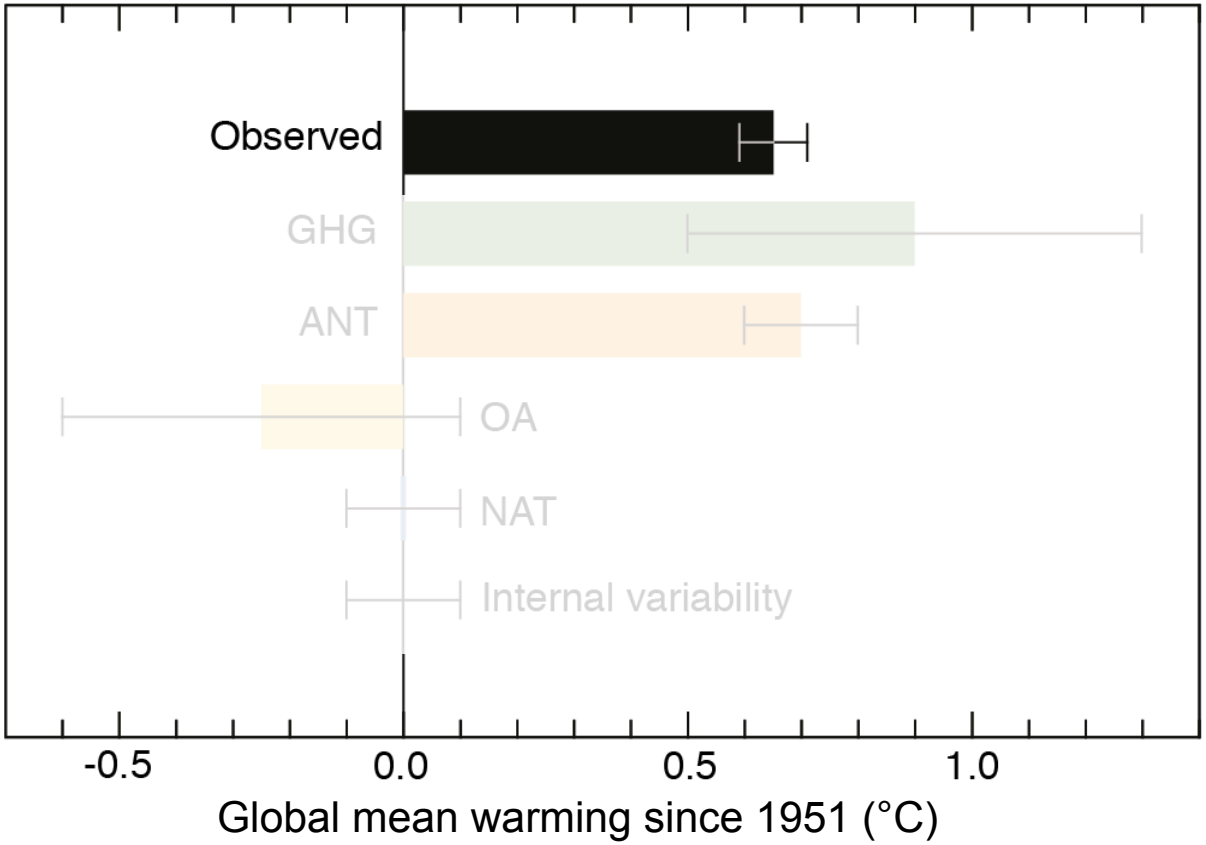
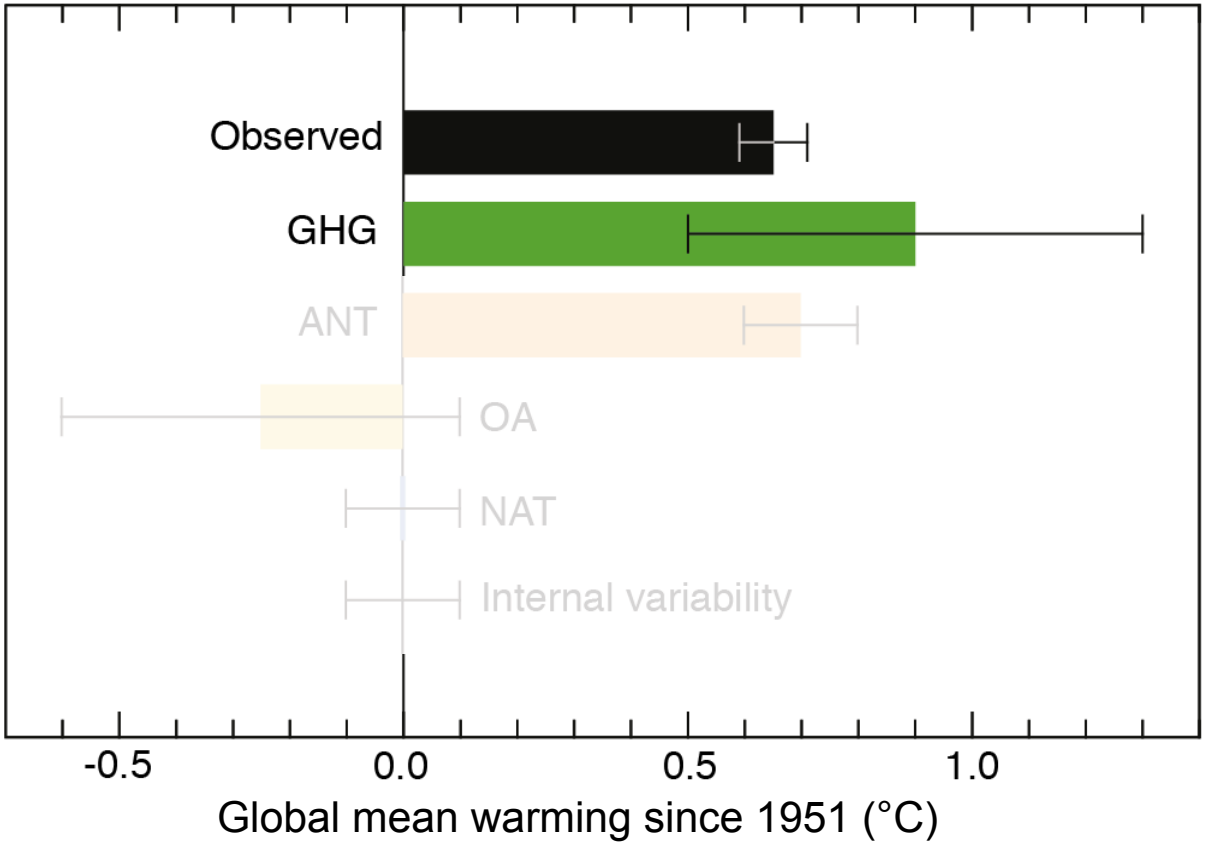


Fig. TS.10

Since 1951 it has warmed by about 0.6°C



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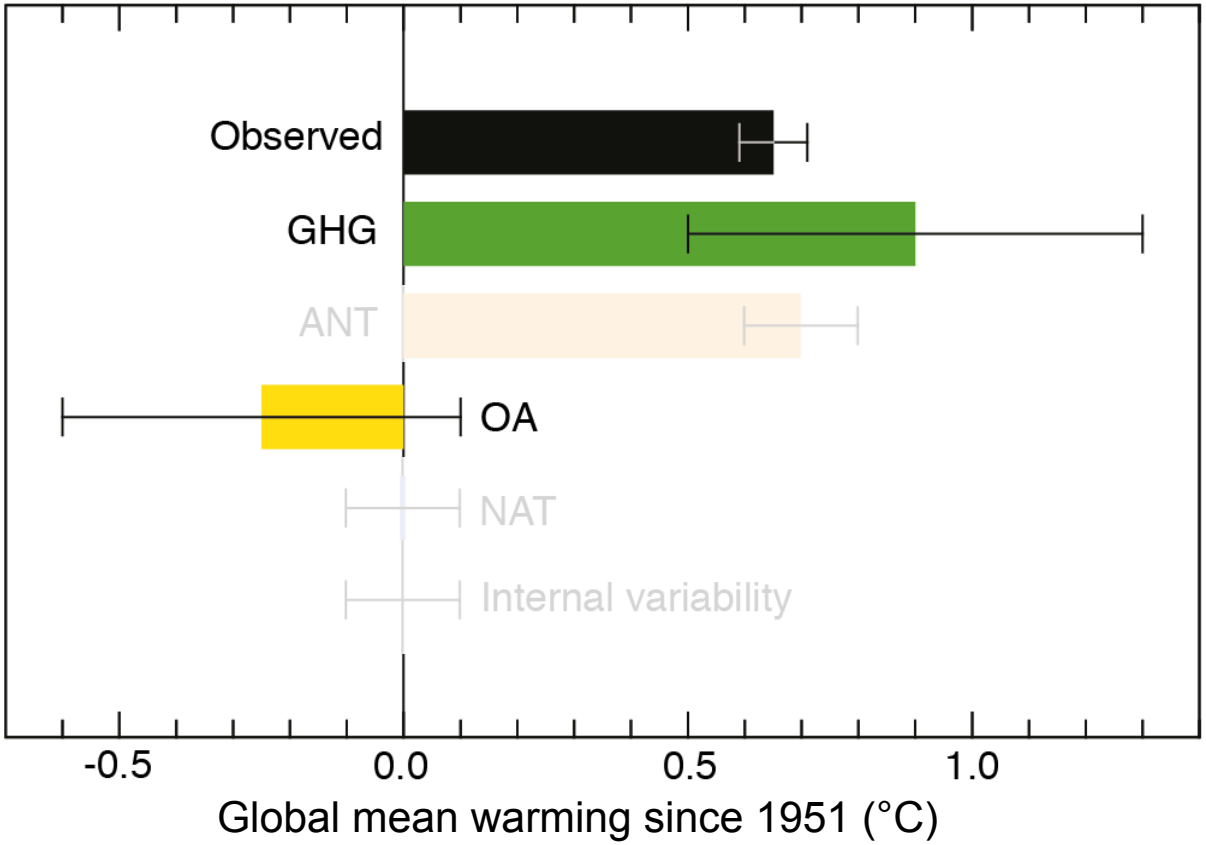

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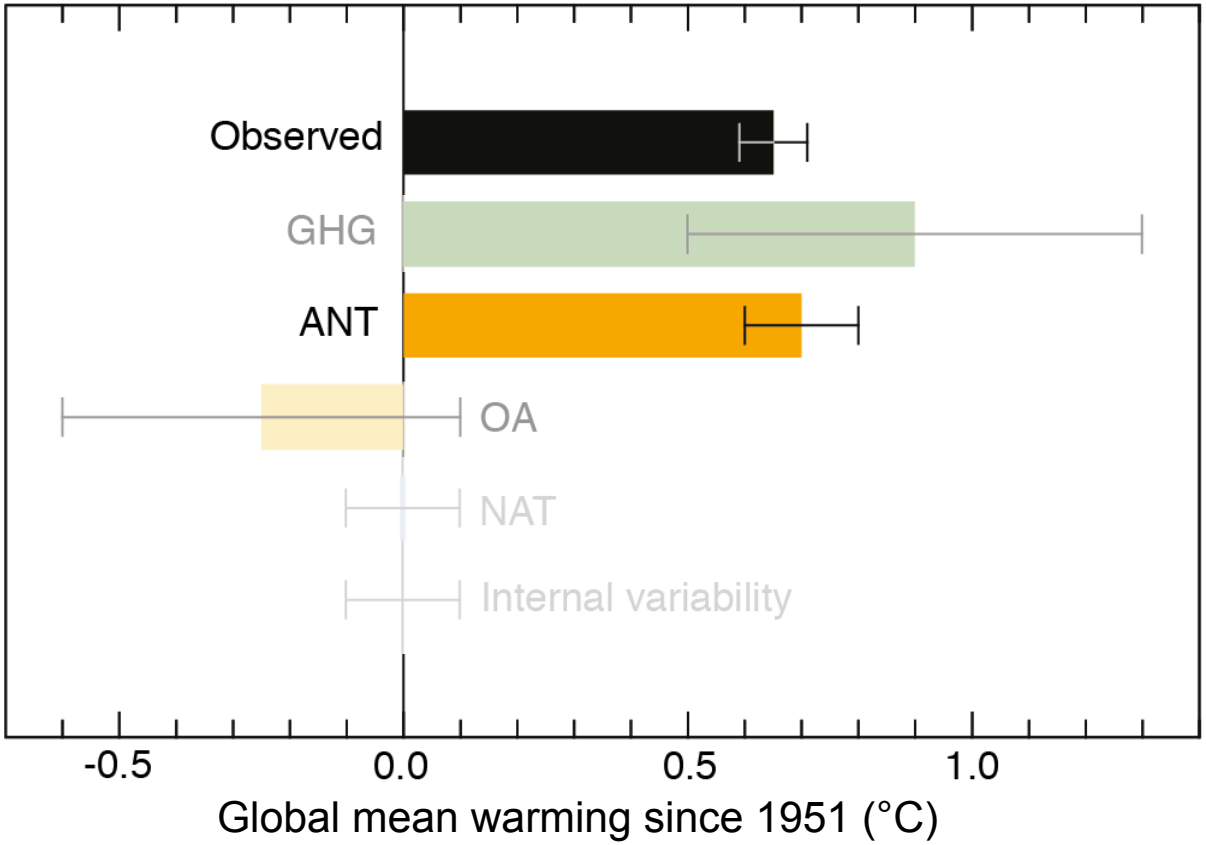

Fig. TS.10

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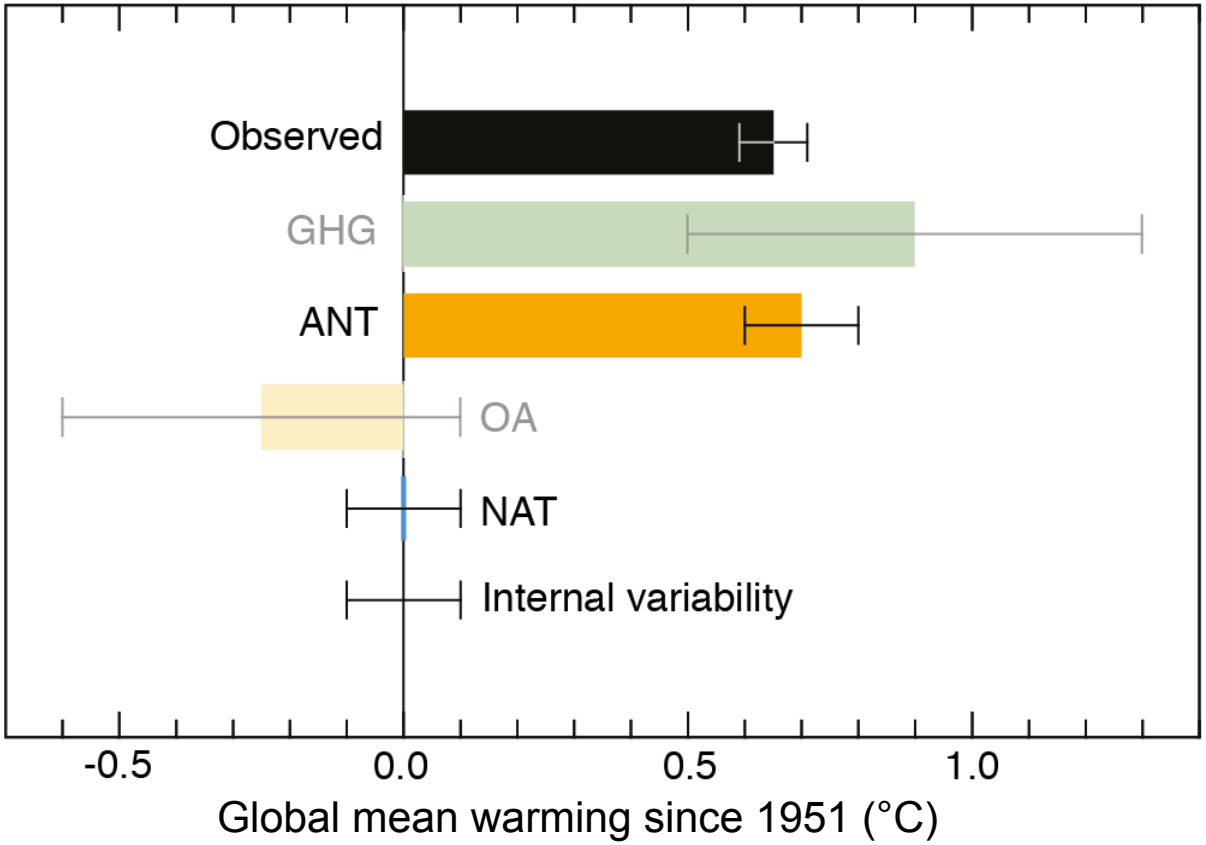

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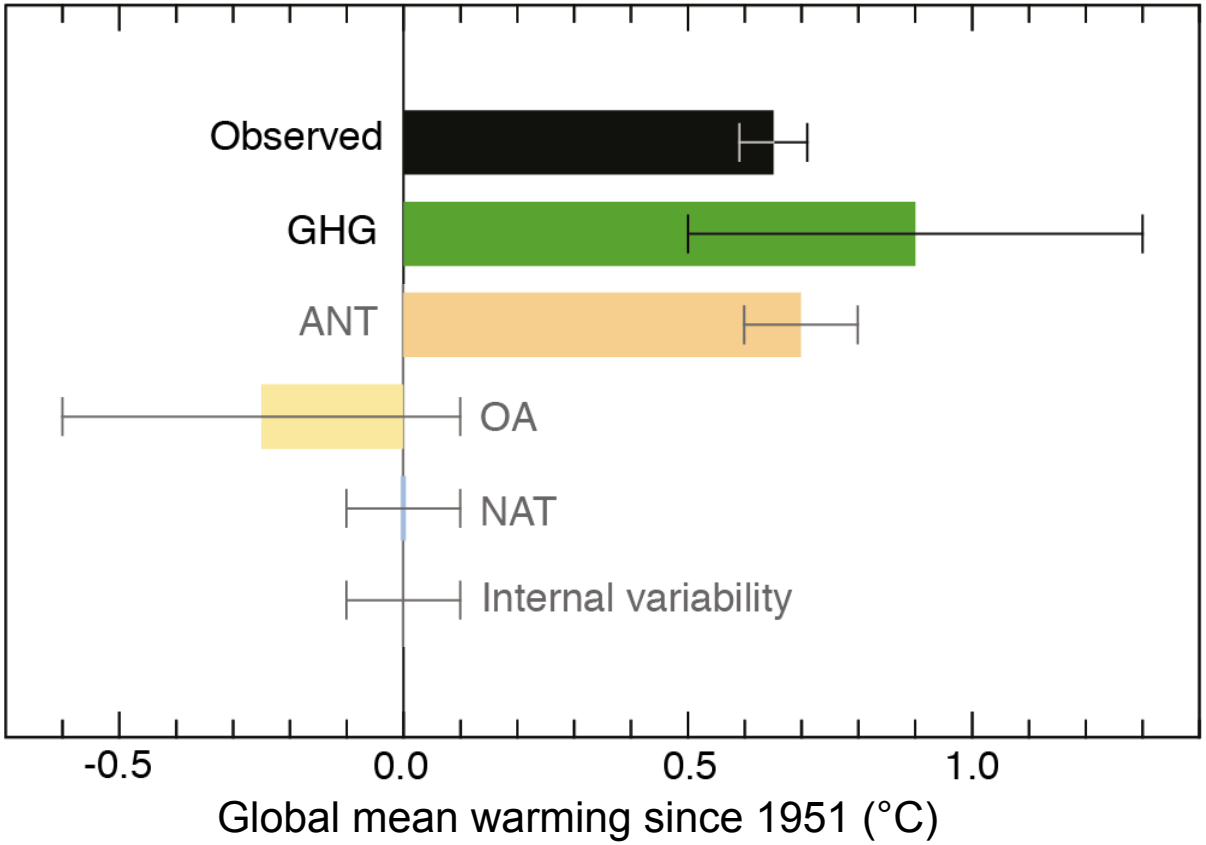

Fig. TS.10

It is *extremely likely* that more than **50% of the warming since 1951** is due to the increase in greenhouse gases

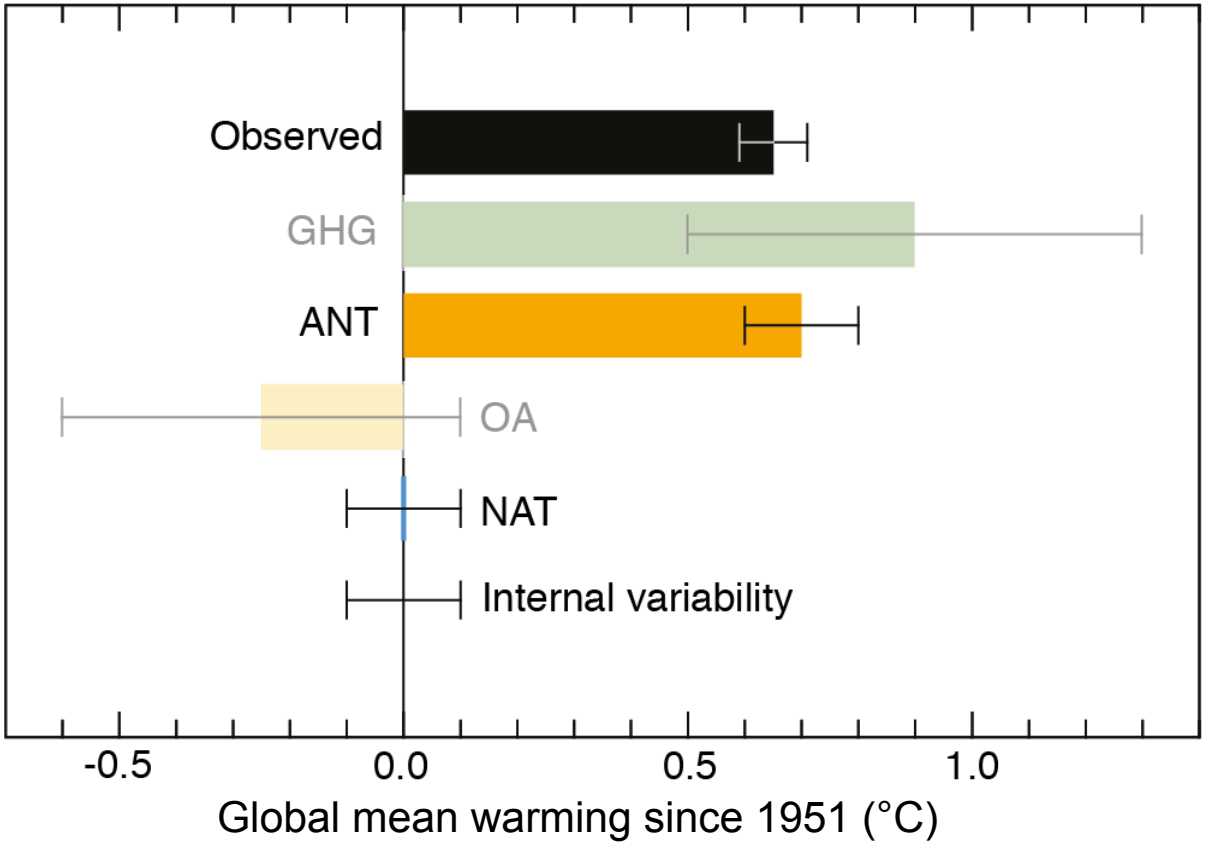

Fig. TS.10

Human influence on the climate system is clear

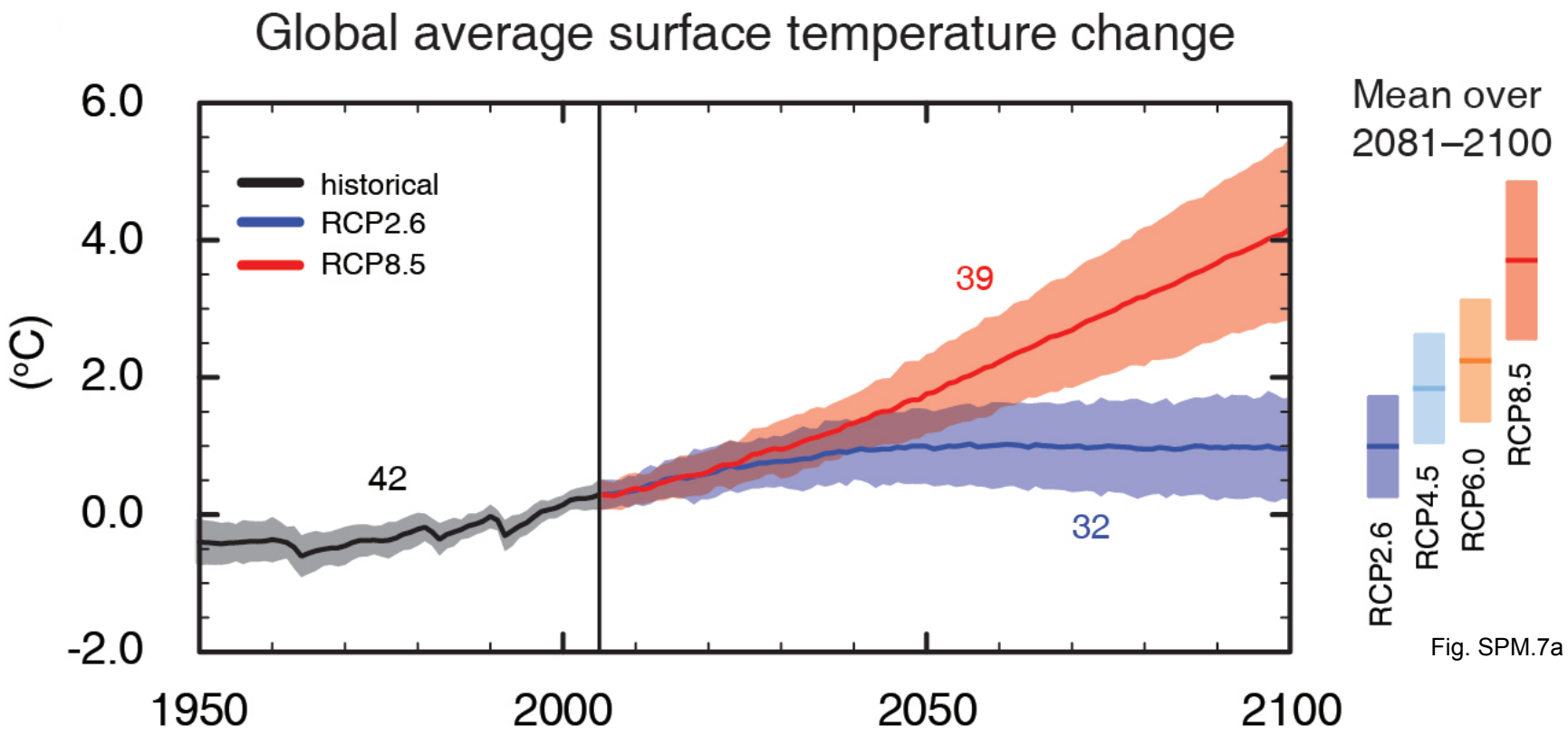

Fig. SPM.7a

Global surface temperature change for the end of the 21st century is *likely* to exceed 1.5°C relative to 1850 for all scenarios

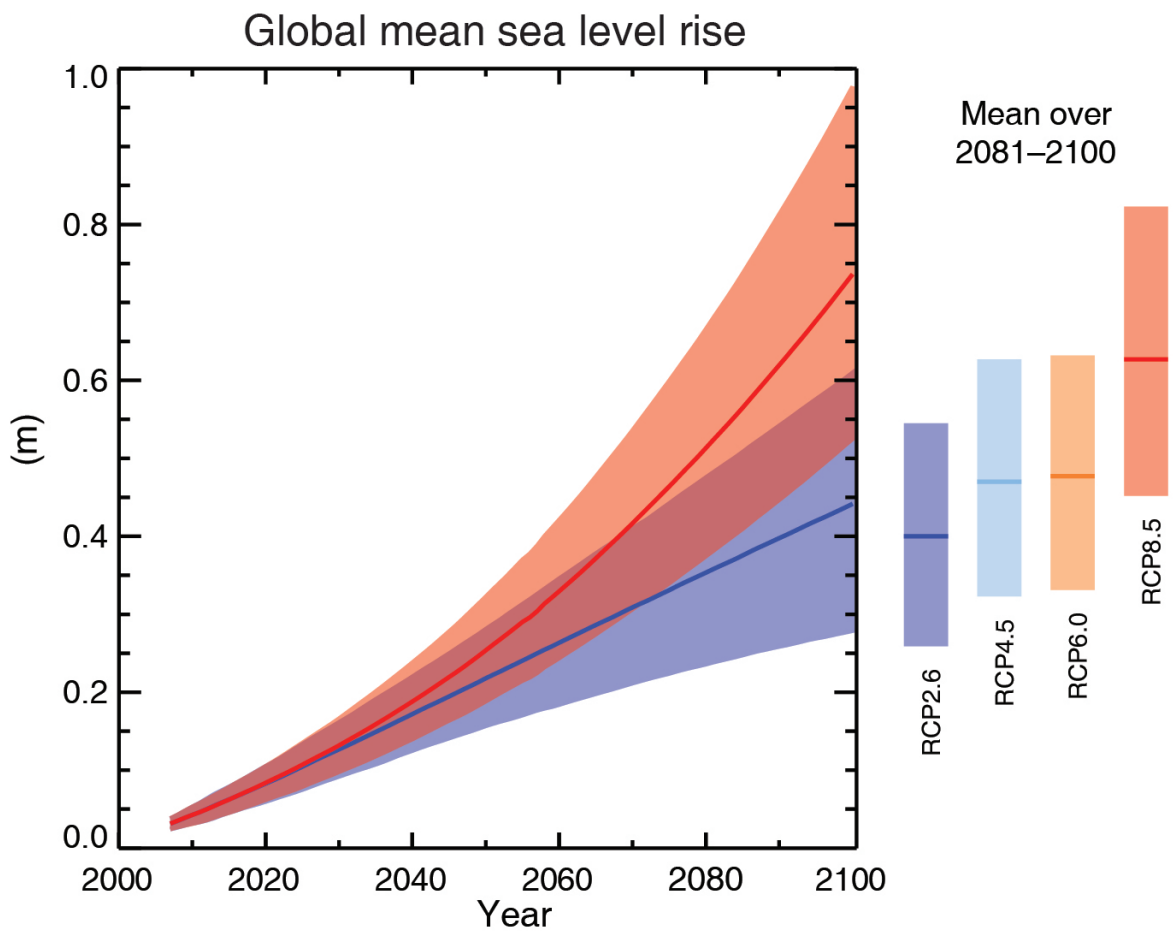

Fig. SPM.9

Global mean sea level will continue to rise during the 21st century

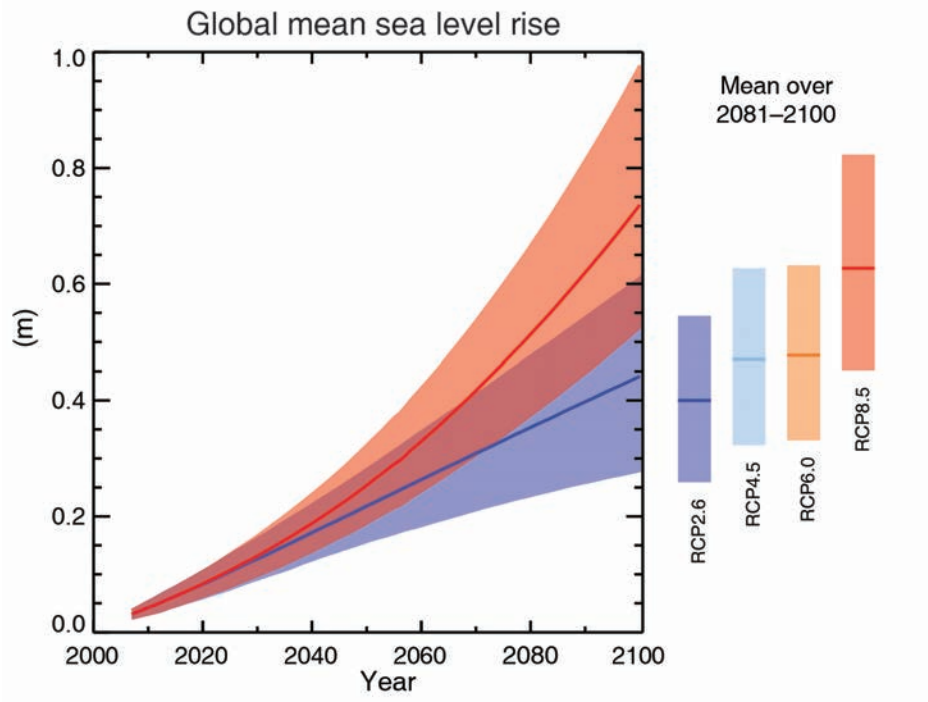

Fig. SPM.9

RCP2.6 (2081-2100): 0.26 to 0.55 m

RCP8.5 (in 2100): 0.52 to 0.98 m

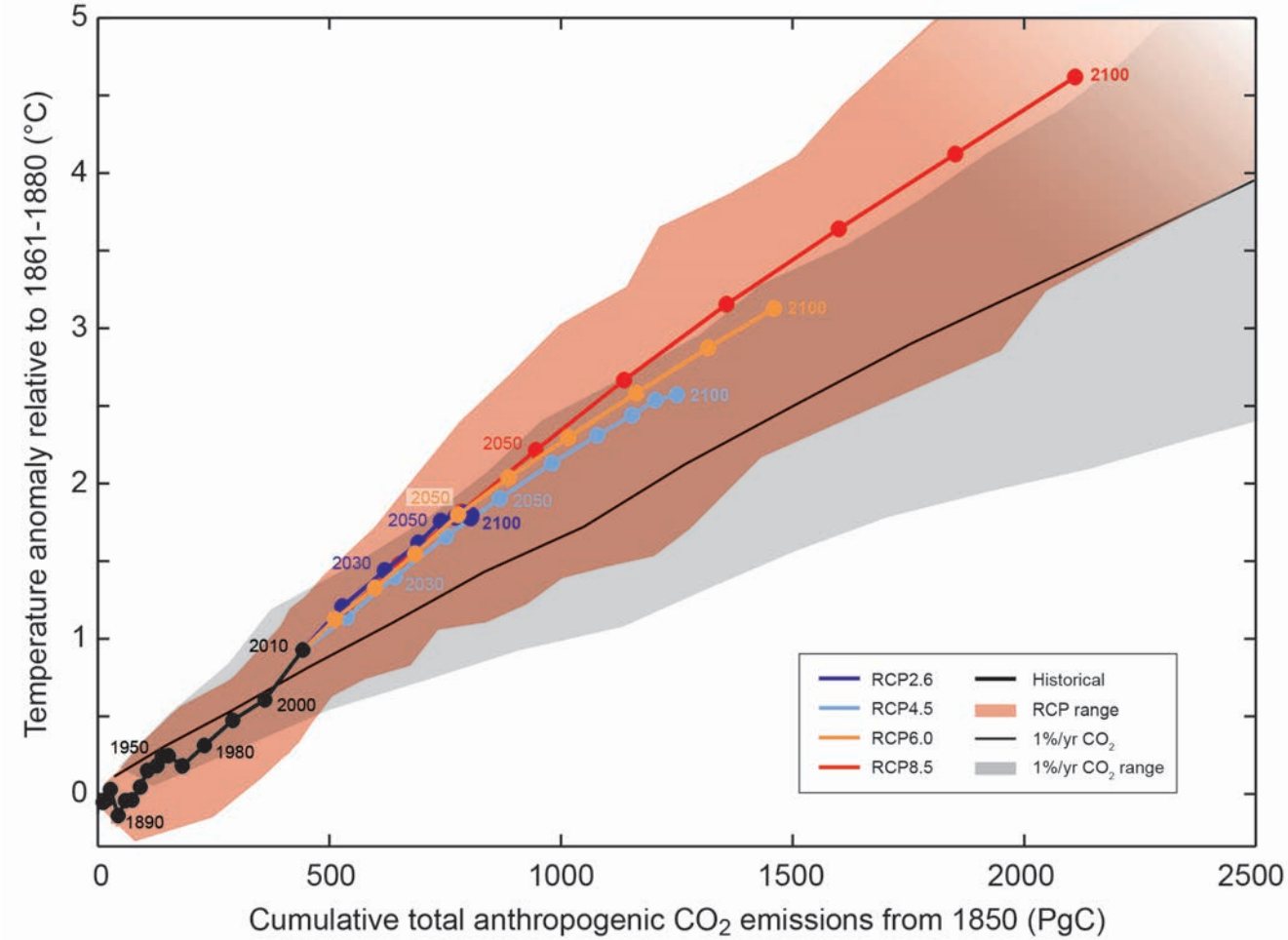

Fig. SPM.10

Limiting climate change will require substantial and sustained reductions of greenhouse gas emissions

Climate Change 2013: The Physical Science Basis

Working Group I contribution to the IPCC Fifth Assessment Report

Further Information

www.climatechange2013.org

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