

CLIMATE CHANGE DEFORESTATION & ^{the} FUTURE OF AFRICAN RAINFORESTS



International Conference
4-6 Jan 2012, Oxford, UK



Waterloo Foundation



Environmental *Change* Institute

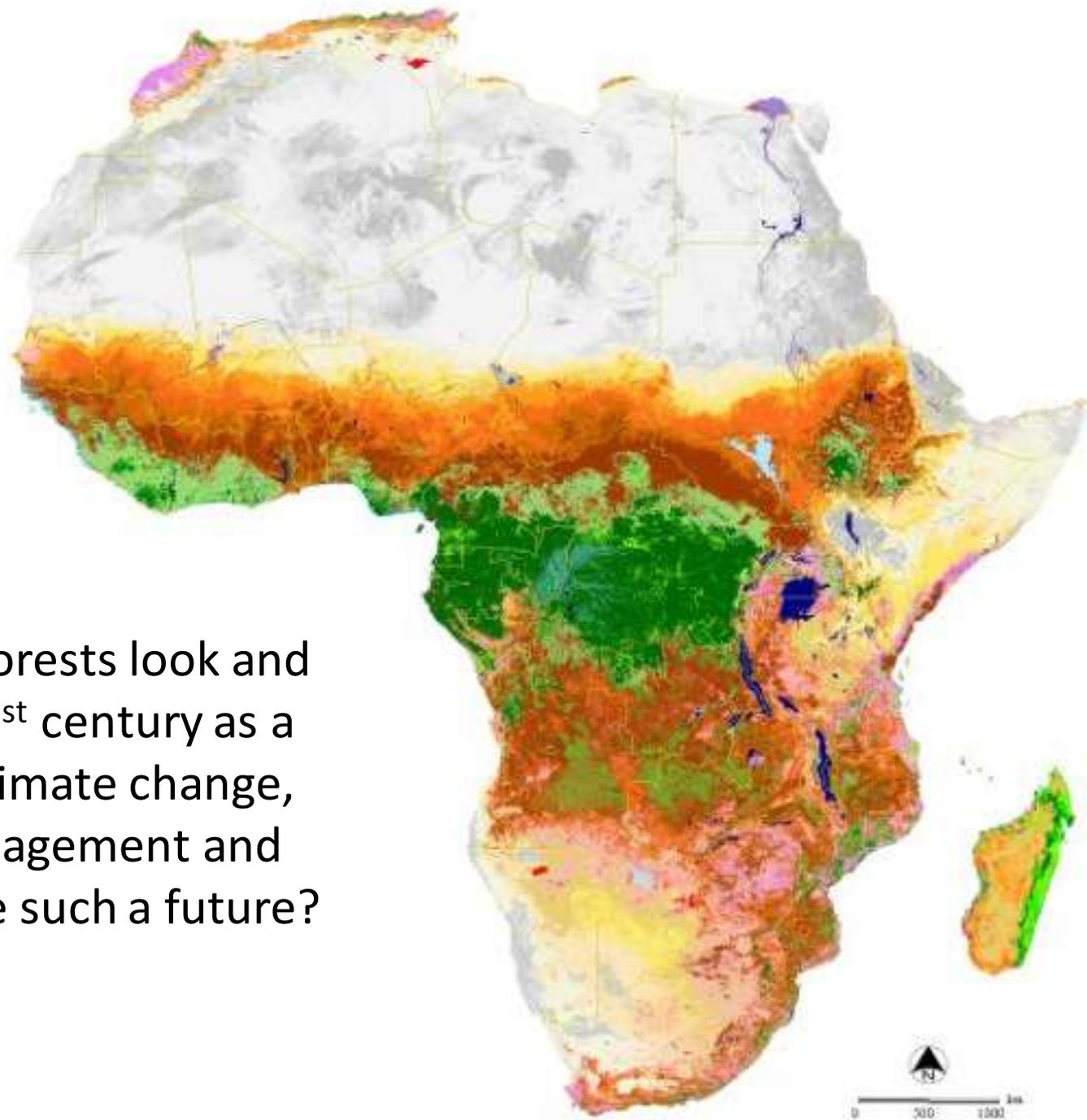


Oriel College

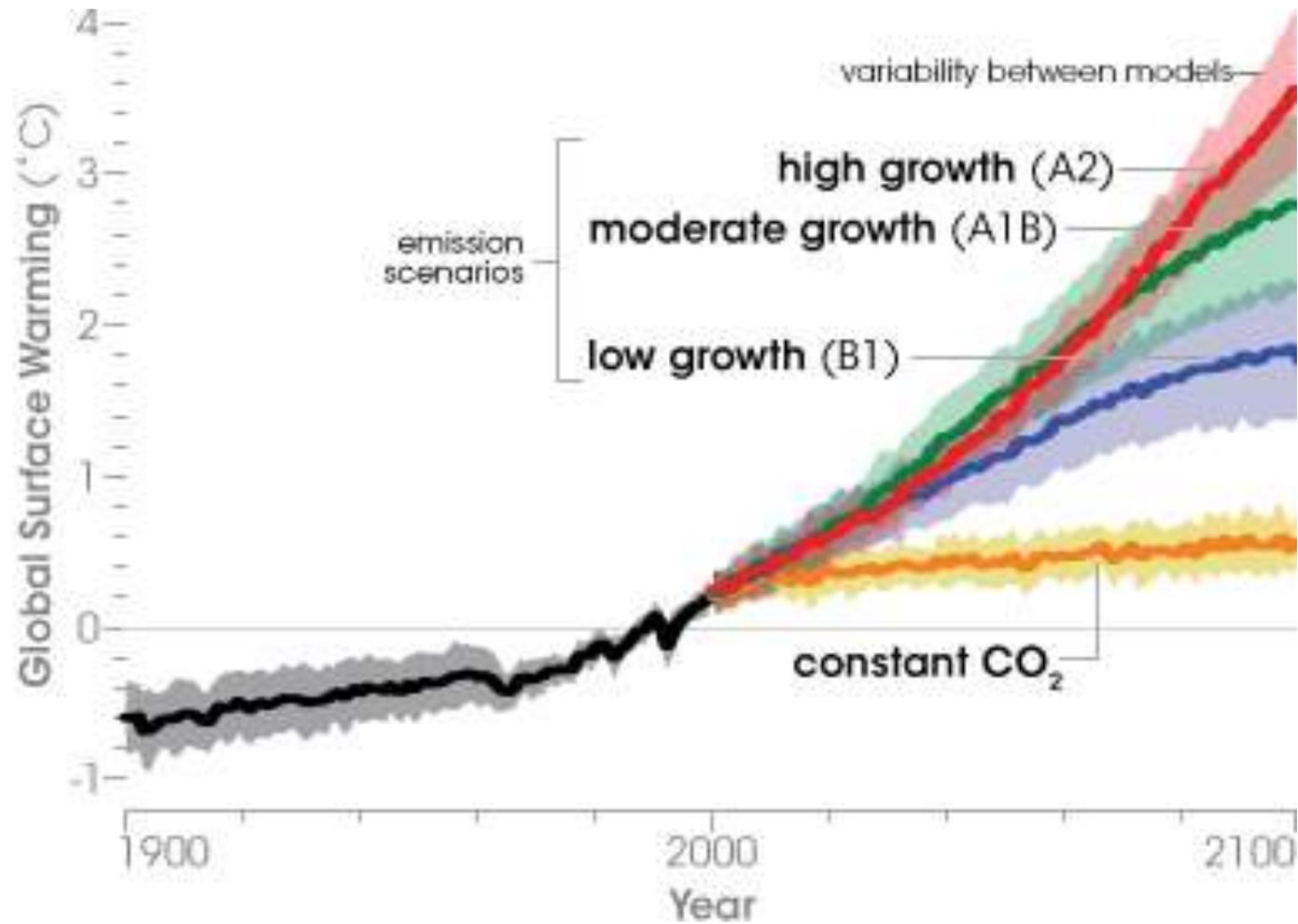


Founded 1326; fifth oldest college in Oxford

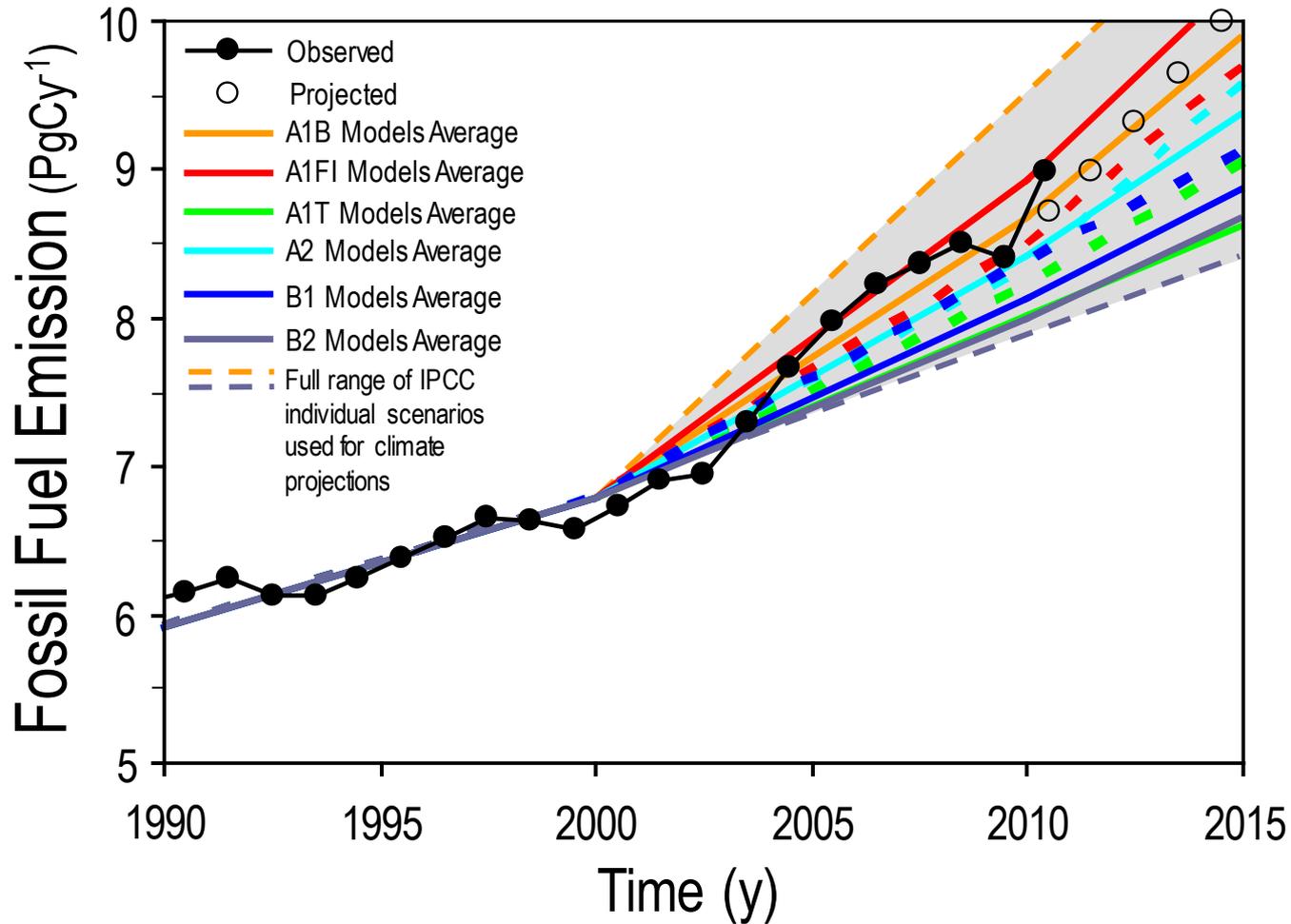
How will Africa's forests look and function in the 21st century as a consequence of climate change, and how can management and planning influence such a future?



IPCC projections for 21st century

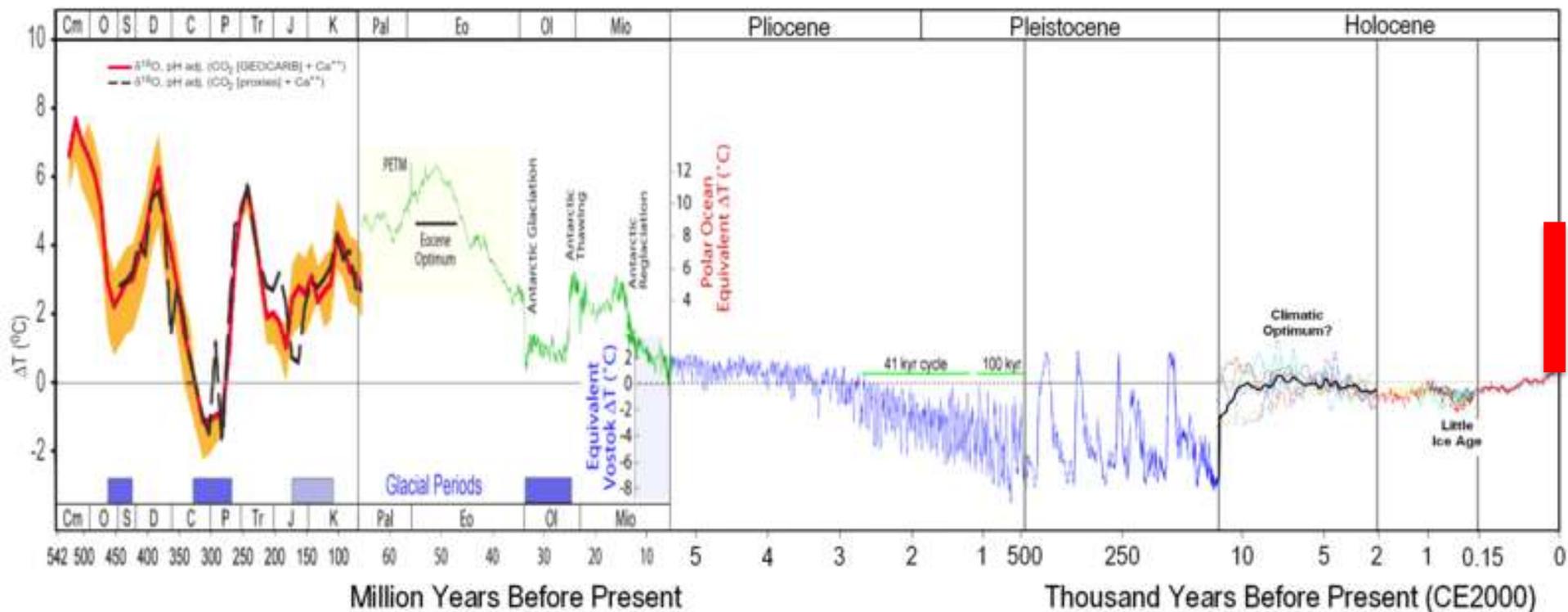


Fossil Fuel Emissions: Actual vs. IPCC Scenarios

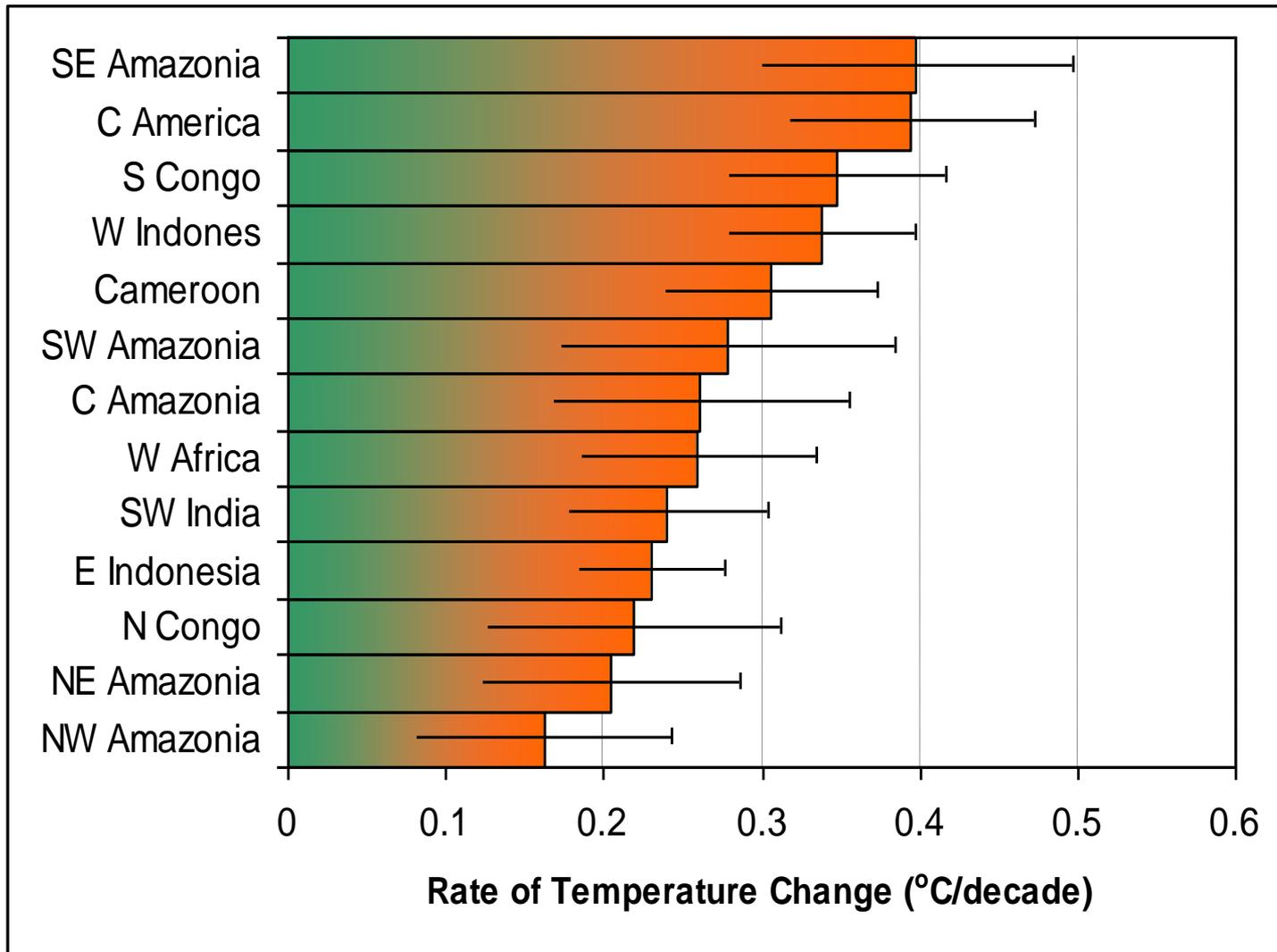


21st century warming in an Earth history context

Temperature of Planet Earth

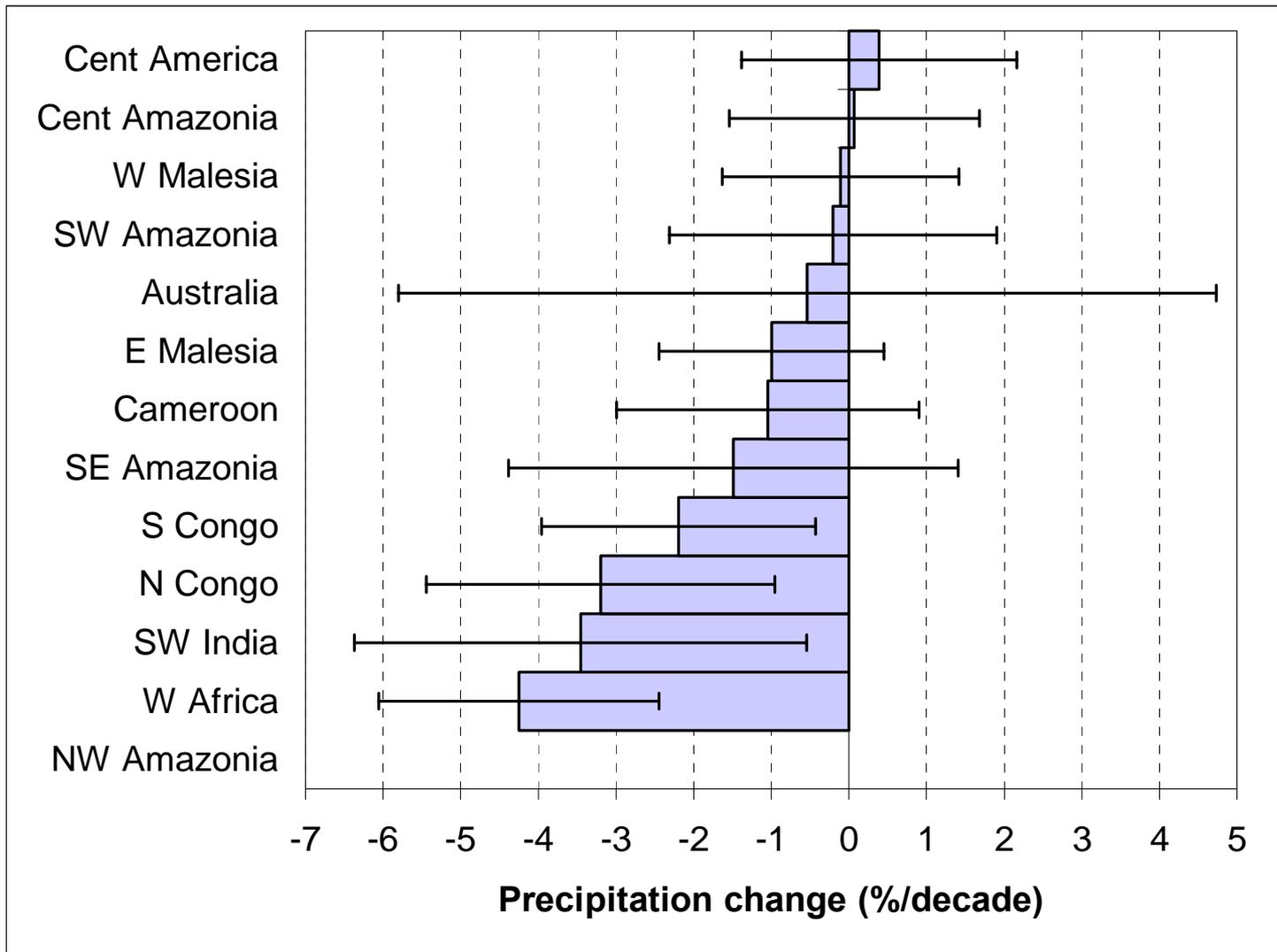


Trends in mean temperature in tropical rainforest regions 1975-1998



Malhi and Wright (2004), *Philosophical Transactions of the Royal Society*
Spatial patterns and recent trends in the climate of tropical rainforest regions

Trends in mean precipitation in tropical rainforest regions 1975-1998



Malhi and Wright (2004), *Philosophical Transactions of the Royal Society*
Spatial patterns and recent trends in the climate of tropical rainforest regions

Conference outline

- All talks are 20 minutes long, with 20 minutes for discussion
- Please keep to time - the discussion is essential to the success of the conference
- At the end of each day there is a panel discussion and (on days 1-2) a poster session

Day 1: Overview and history

Introduction to African rainforests

The history of human interactions with climate and forests

Day 2: Climate change and forest response

Climate change projections for Africa

The effects of contemporary change on forest structure and function

Day 3 Navigating the pressures of the 21st century

Deforestation, logging and hunting: direct pressures on the African tropical forests

Forest conservation in the 21st century: potential and challenges

- How do African rainforests interact with climate?
- What are the likely patterns of climate change in Africa?
- How has the history and prehistory of African rainforests affected their likely response to climate change?
- Are there signals how how African forests are changing in response to ongoing climate change?

Can we identify regions of particular vulnerability and resilience to climate change?

How do we maximize adaptation and resilience?

How can conservation and development priorities be matched with maximising adaptation to climate change?

What do we need to know?

Outputs

Podcasts of presentations

Synthesis paper: target for *Science*

Special issue of a journal: e.g. *Philosophical Transactions of the Royal Society*

Possible conversion to book?

Policy briefing summary notes

In this issue

Climate change and the fate of the Amazon

Papers of a Theme Issue compiled and edited by Yadvinder Malhi, Richard Batts and Timmons Roberts



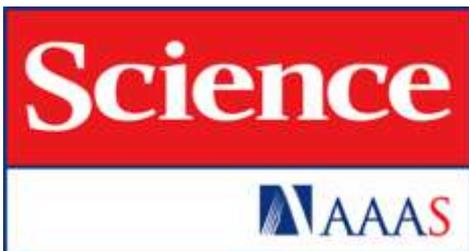
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27 May 2008



Climate Change, Deforestation, and the Fate of the Amazon

Yadvinder Malhi, *et al.*

Science **319**, 169 (2008);

DOI: 10.1126/science.1146961