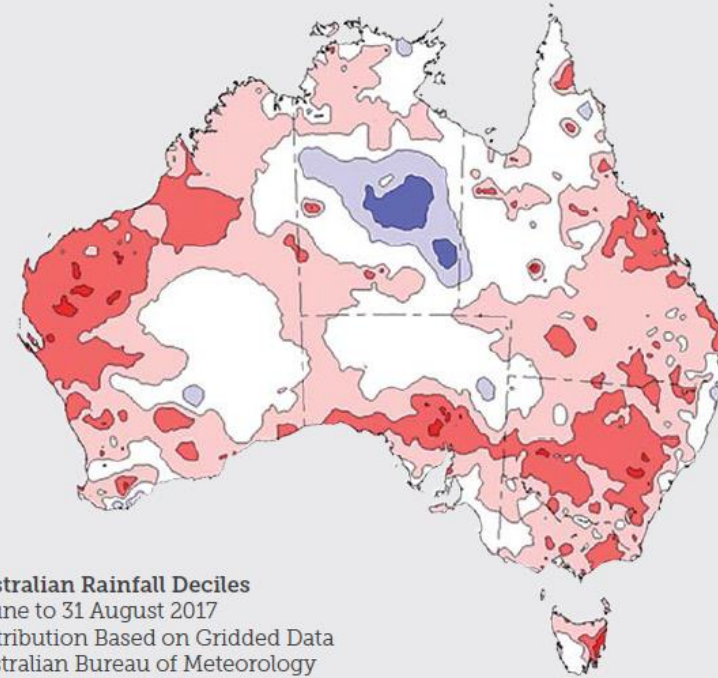


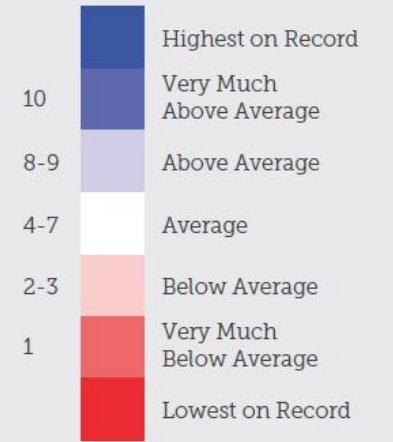
A climate of confusion

A Rocha Conference 2017

Australia's Weird Winter

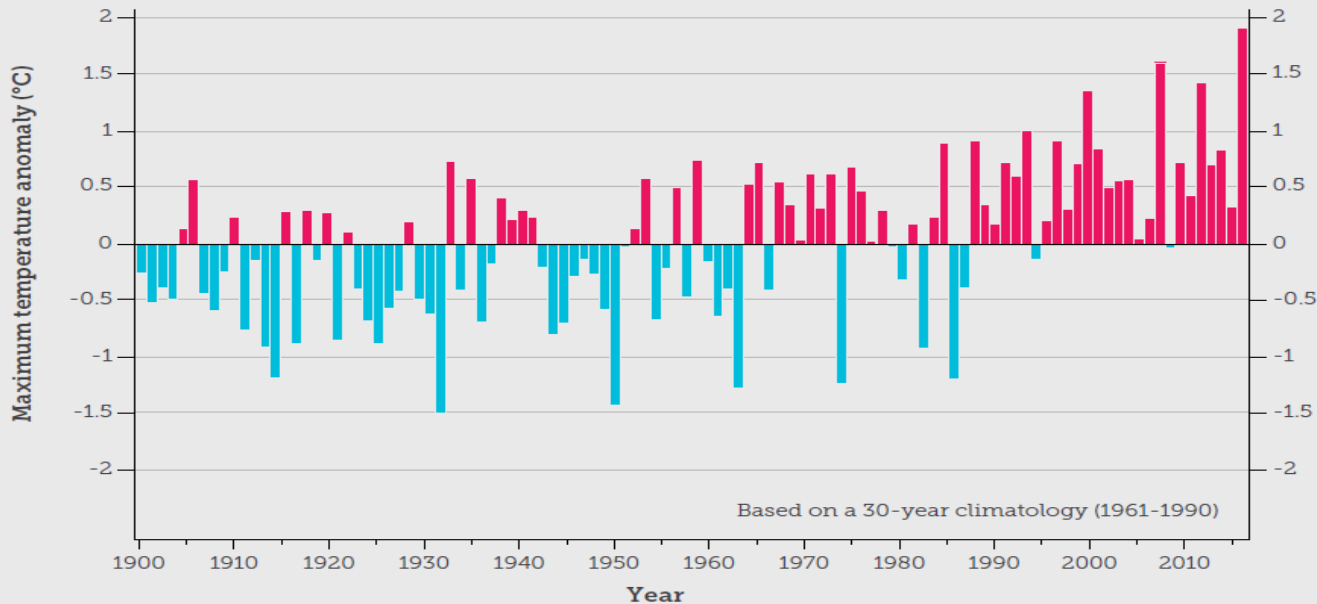


RAINFALL DECILE RANGES



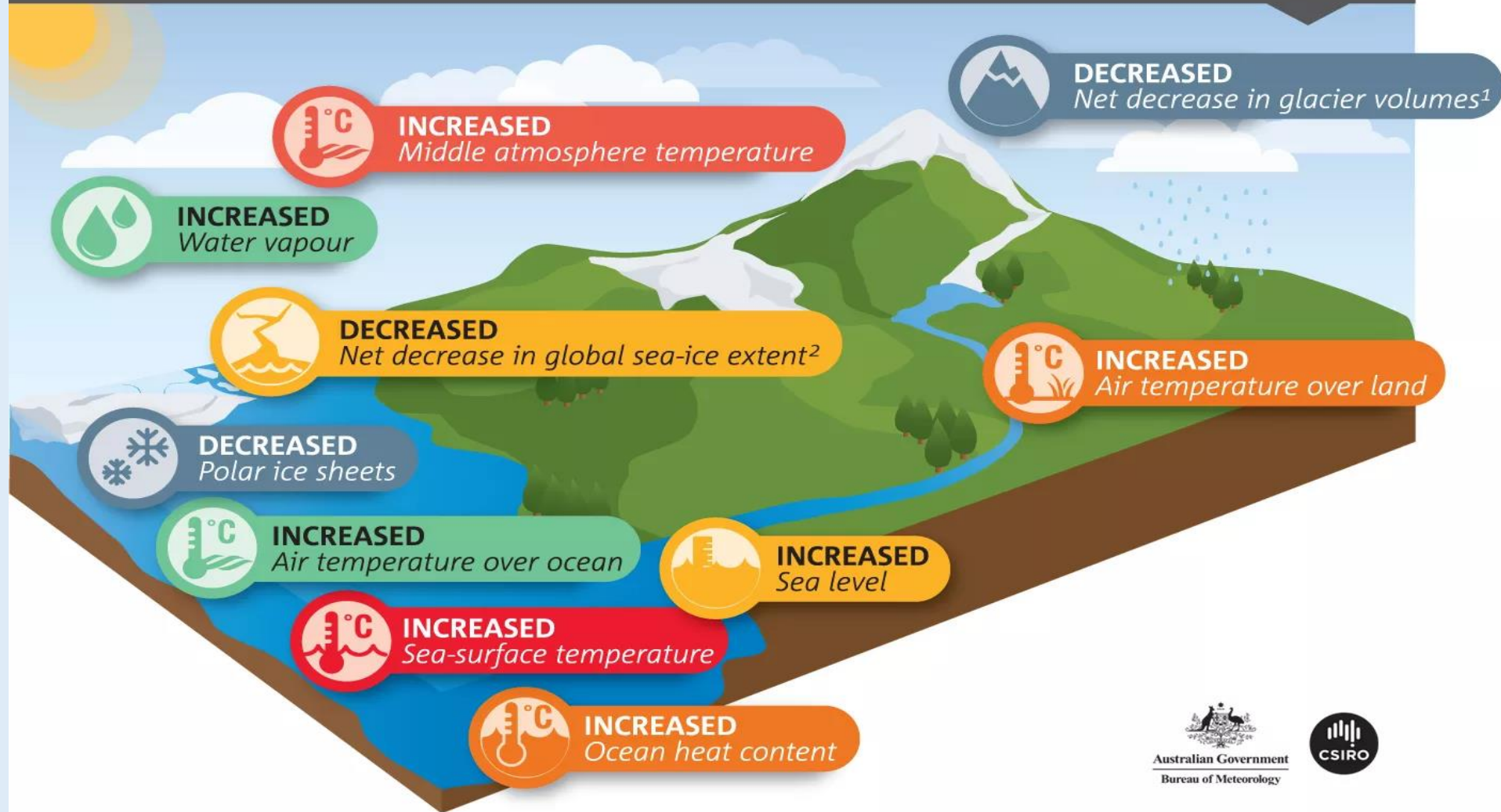
Australian Rainfall Deciles
1 June to 31 August 2017
Distribution Based on Gridded Data
Australian Bureau of Meteorology

WINTER MAXIMUM TEMPERATURE ANOMALY - AUSTRALIA (1910-2017)



Images: Bureau of Meteorology

Changes in the global climate system



Indicators of a world experiencing a consistent pattern of warming.

¹ With regional variation (almost all glaciers worldwide losing mass but some gaining) but overall net loss.

² With regional variation (large loss in the Arctic, small net gain in the Antarctic) but overall net loss.

Global Warming is Real

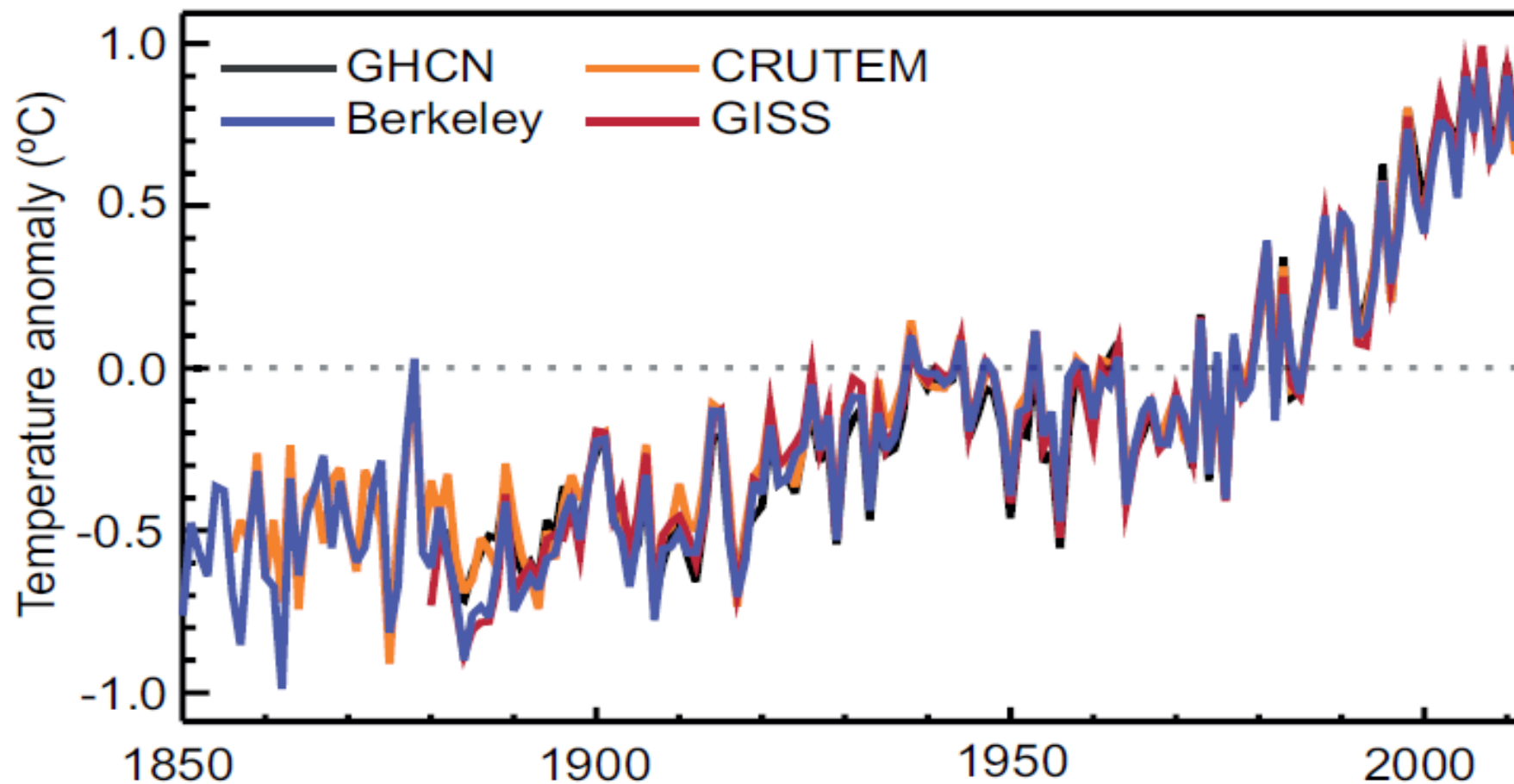


Image: IPCC Fifth Assessment Report

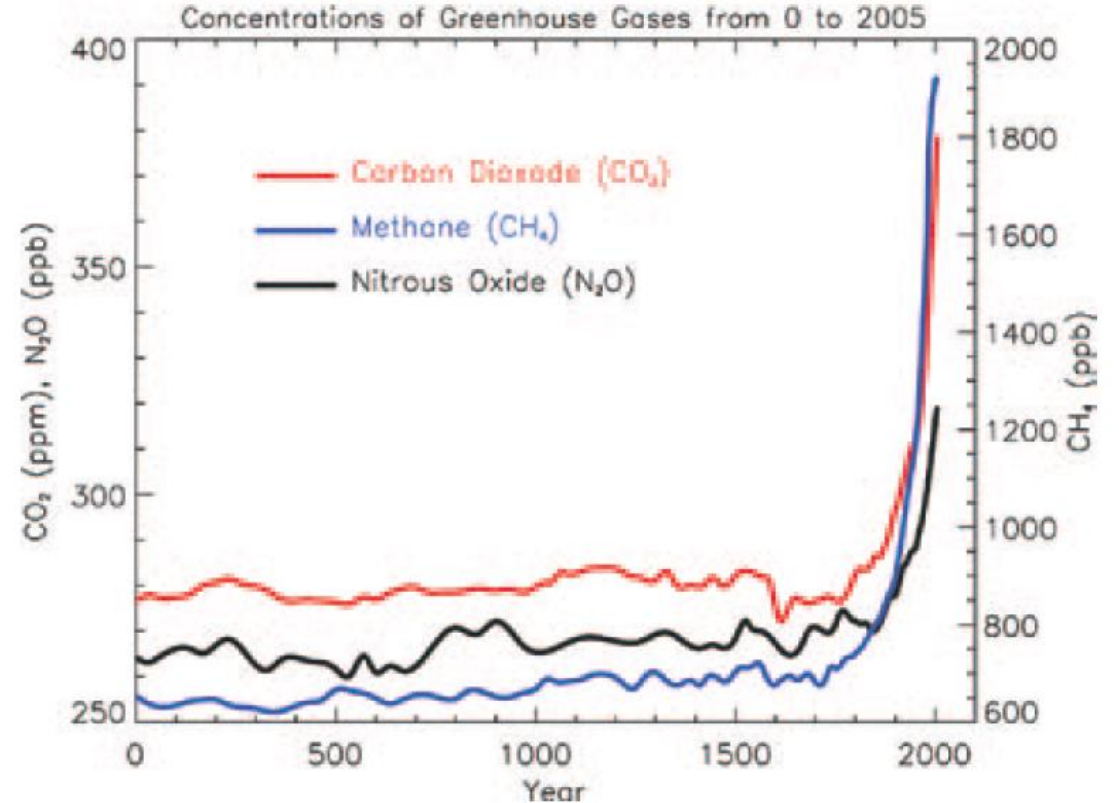
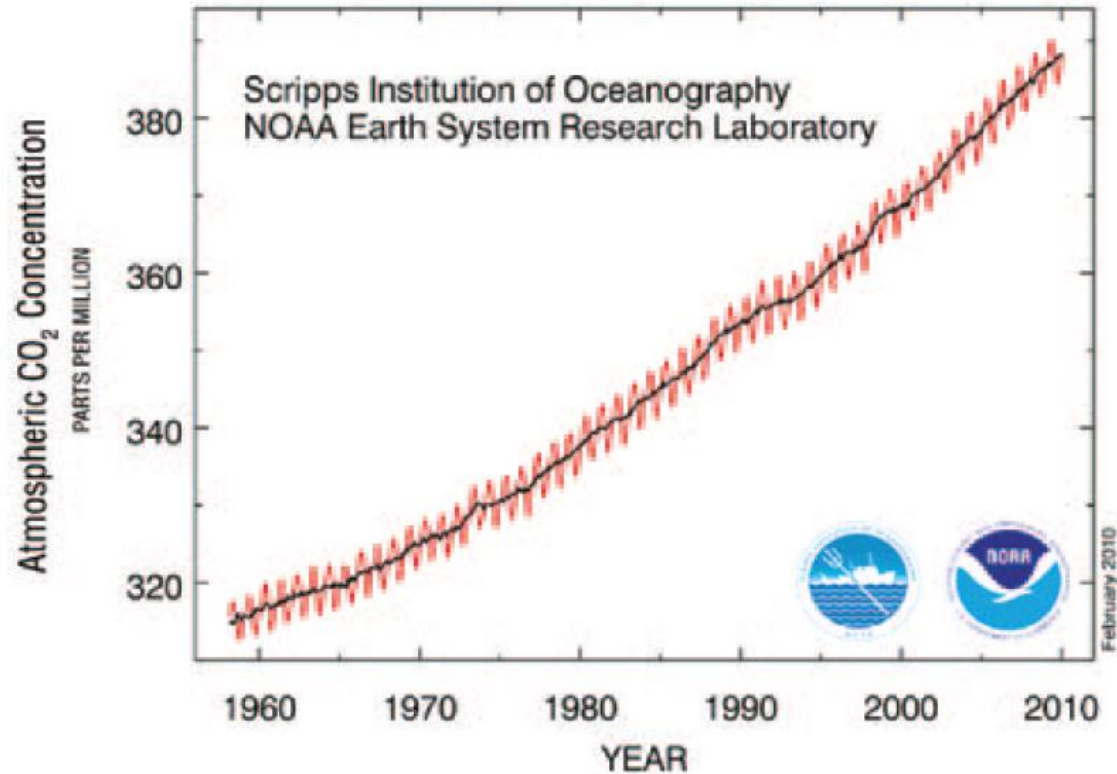


Image: BOM

How CO2 works



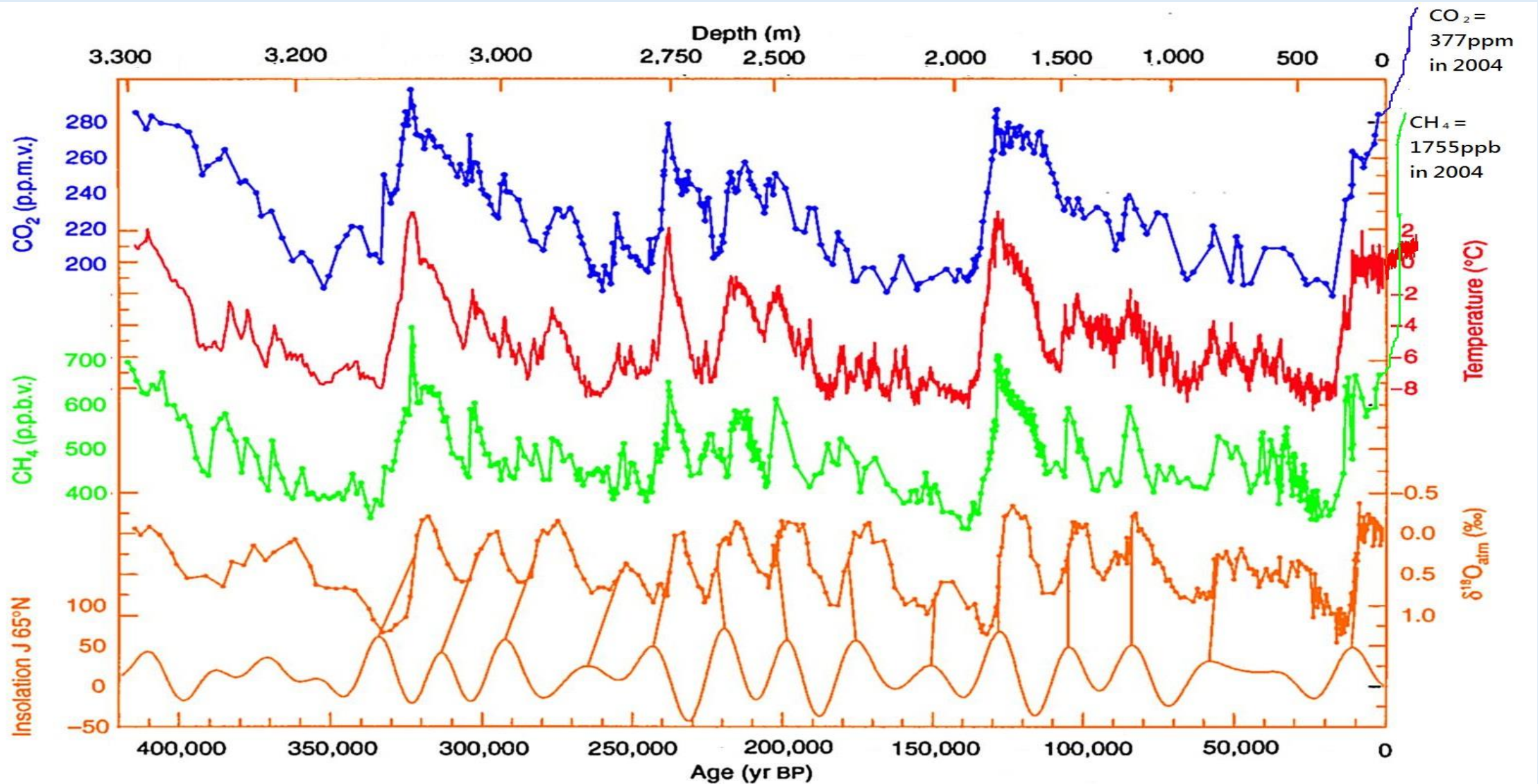
Records show CO₂ increasing since 1950s




Also seen in ocean acidity
40% increase since start of Industrial Revolution

"Global atmospheric concentrations of carbon dioxide, methane and nitrous oxide ...now far exceed pre-industrial values determined from ice cores..". → At least 650,000 yrs

Image: <http://www.antarcticglaciers.org/glaciers-and-climate/ice-cores/ice-core-basics/>



A close-up, profile view of Richard Muller, a man with grey hair and a mustache, wearing a blue shirt and a dark jacket. He is looking upwards and to the left, with his mouth slightly open as if speaking. The background is a plain, light-colored wall.

Richard Muller Phd
University of California
Berkeley

Impacts

No one aged under 40 has lived in a year with global average temperatures at or below the global 20th century average.



Figure 6: A forest in Kerbrook, South Australia, following the January 2015 bushfires.



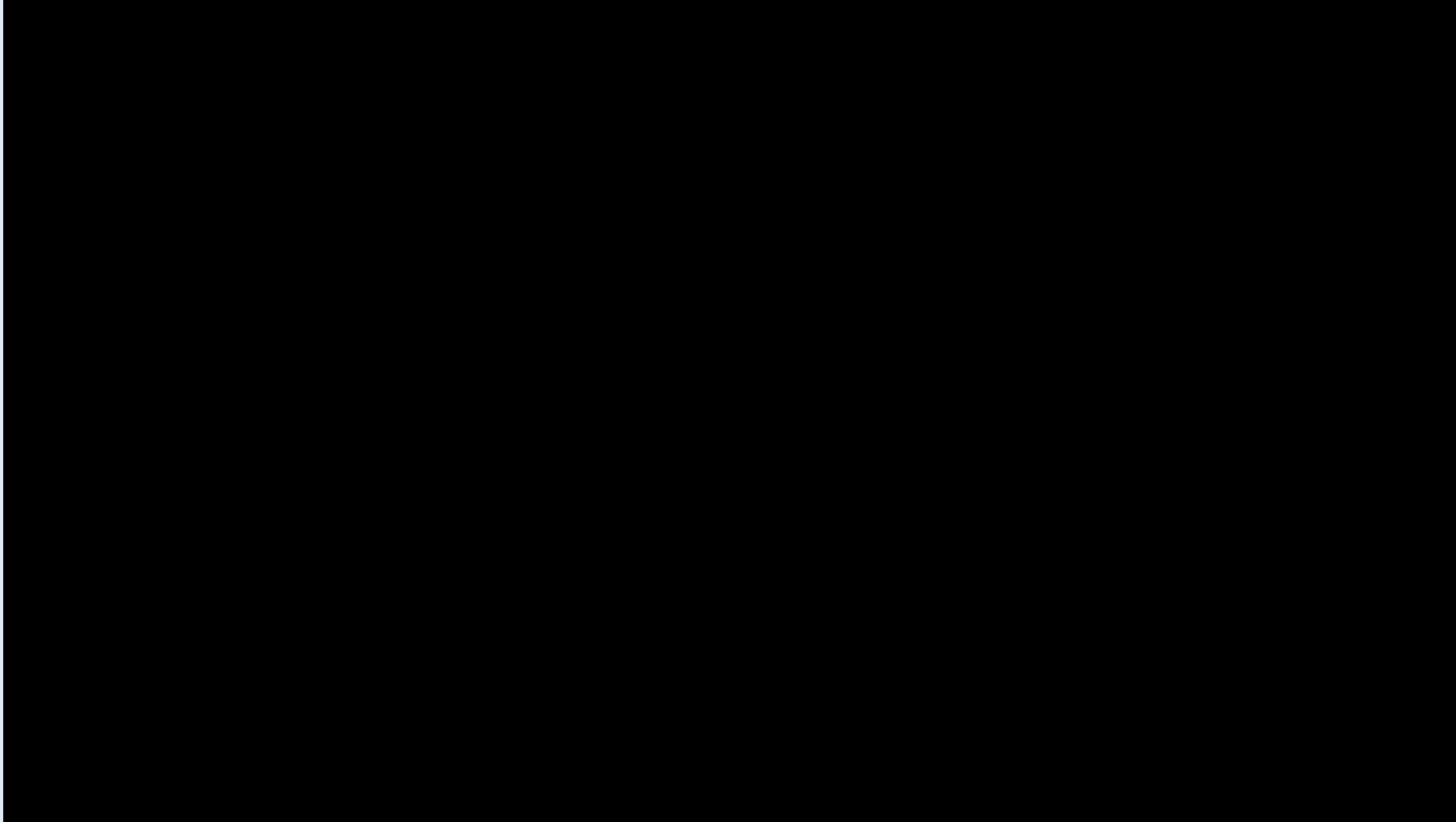
An elderly woman drinks after she was brought by firefighters to the Saint Antoine hospital in Paris, Monday, 11 August 2003.

Country	Casualties
France	14 082
Germany	7 000
Spain	4 200
Italy	4 000
UK	2 045
Netherlands	1 400
Portugal	1 300
Belgium	150

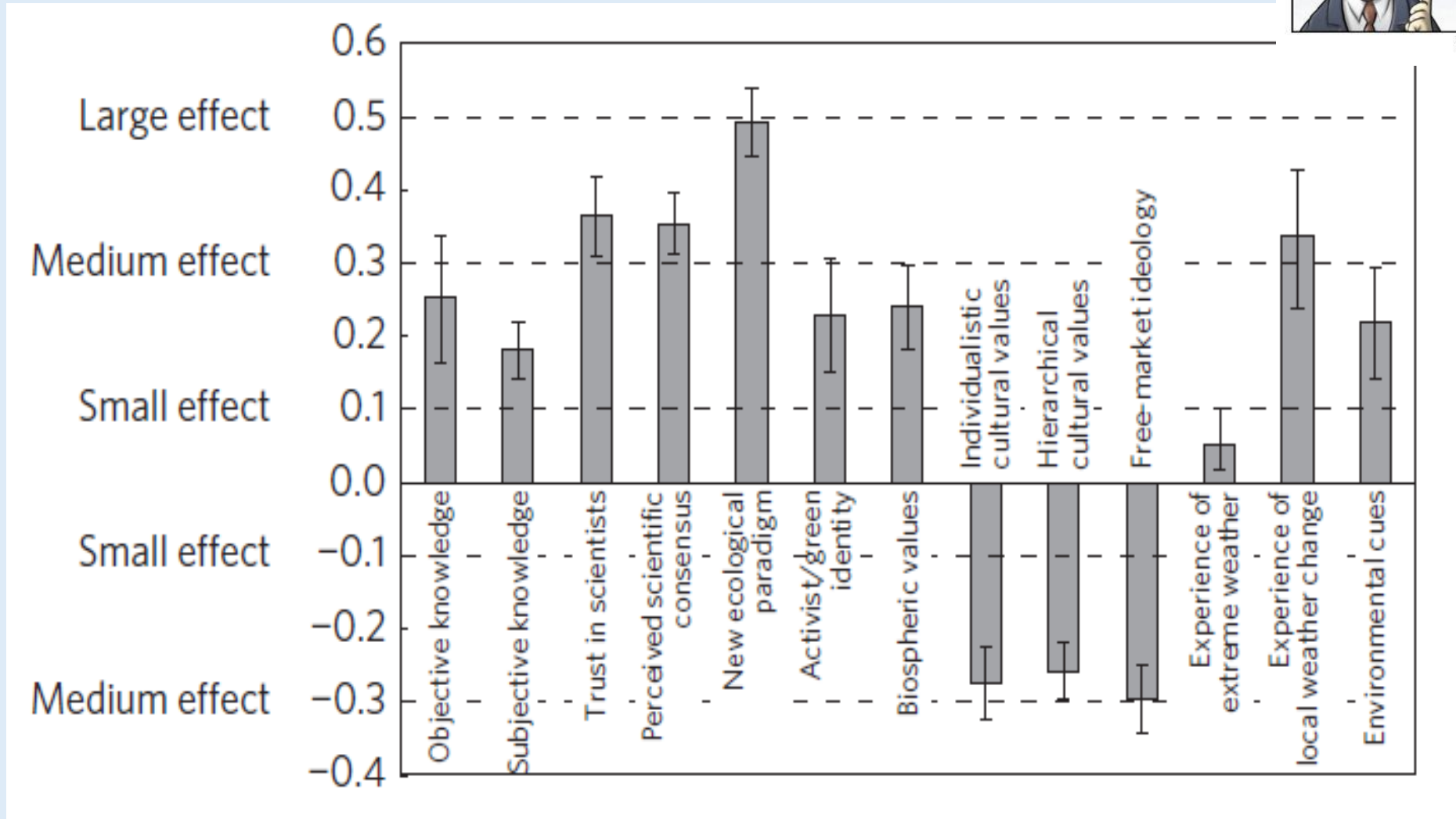
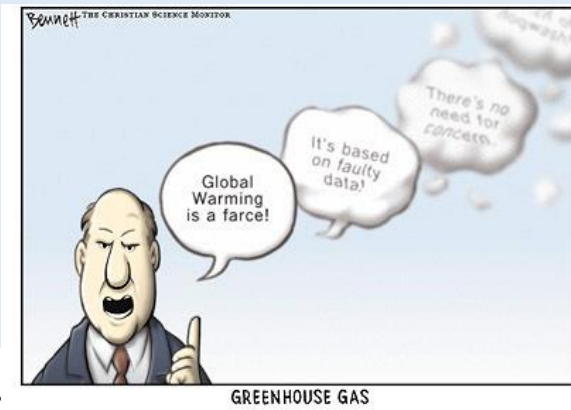
INSERM: "Surmortalité liée à la canicule de l'été 2003", AP September 25, 2003

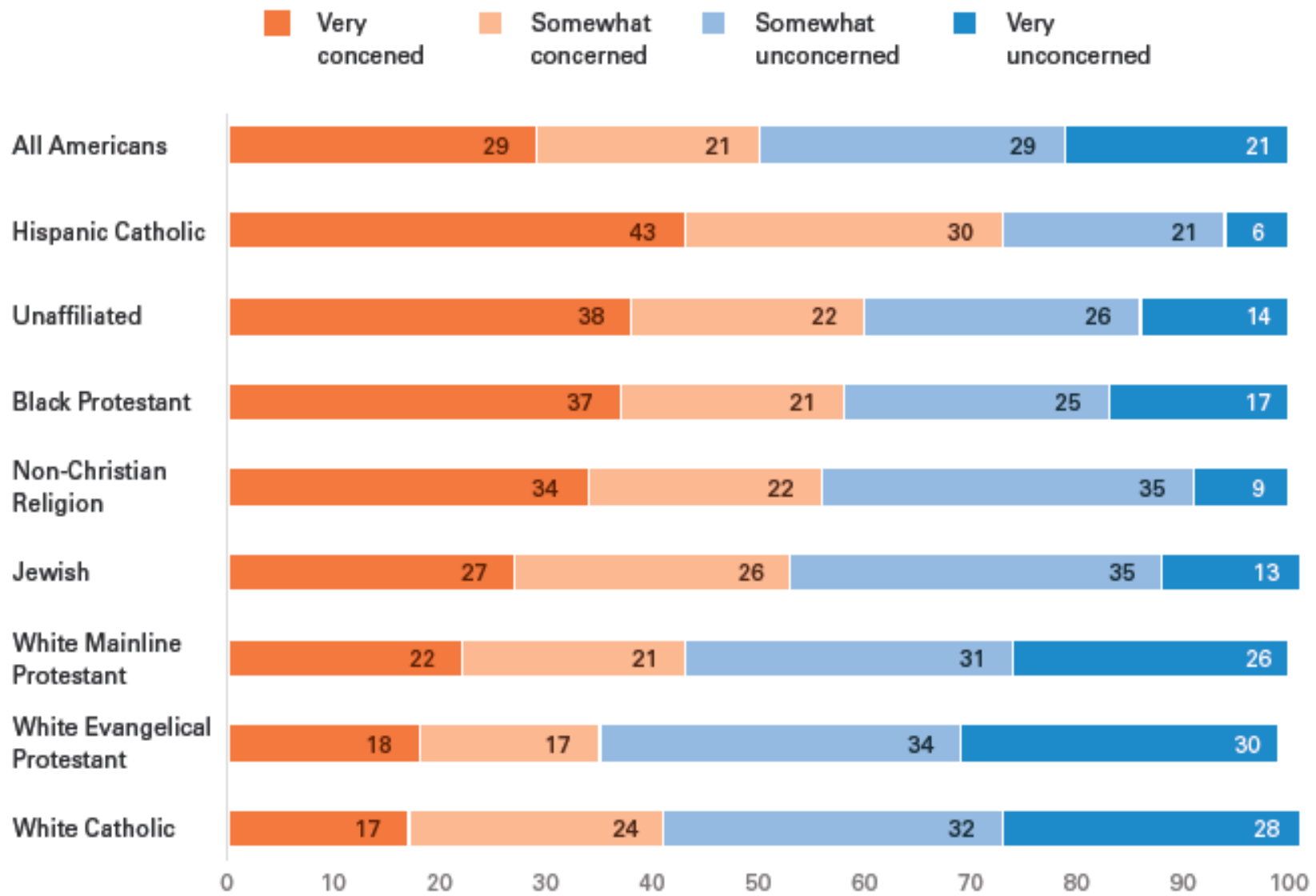


Impacts – two degrees

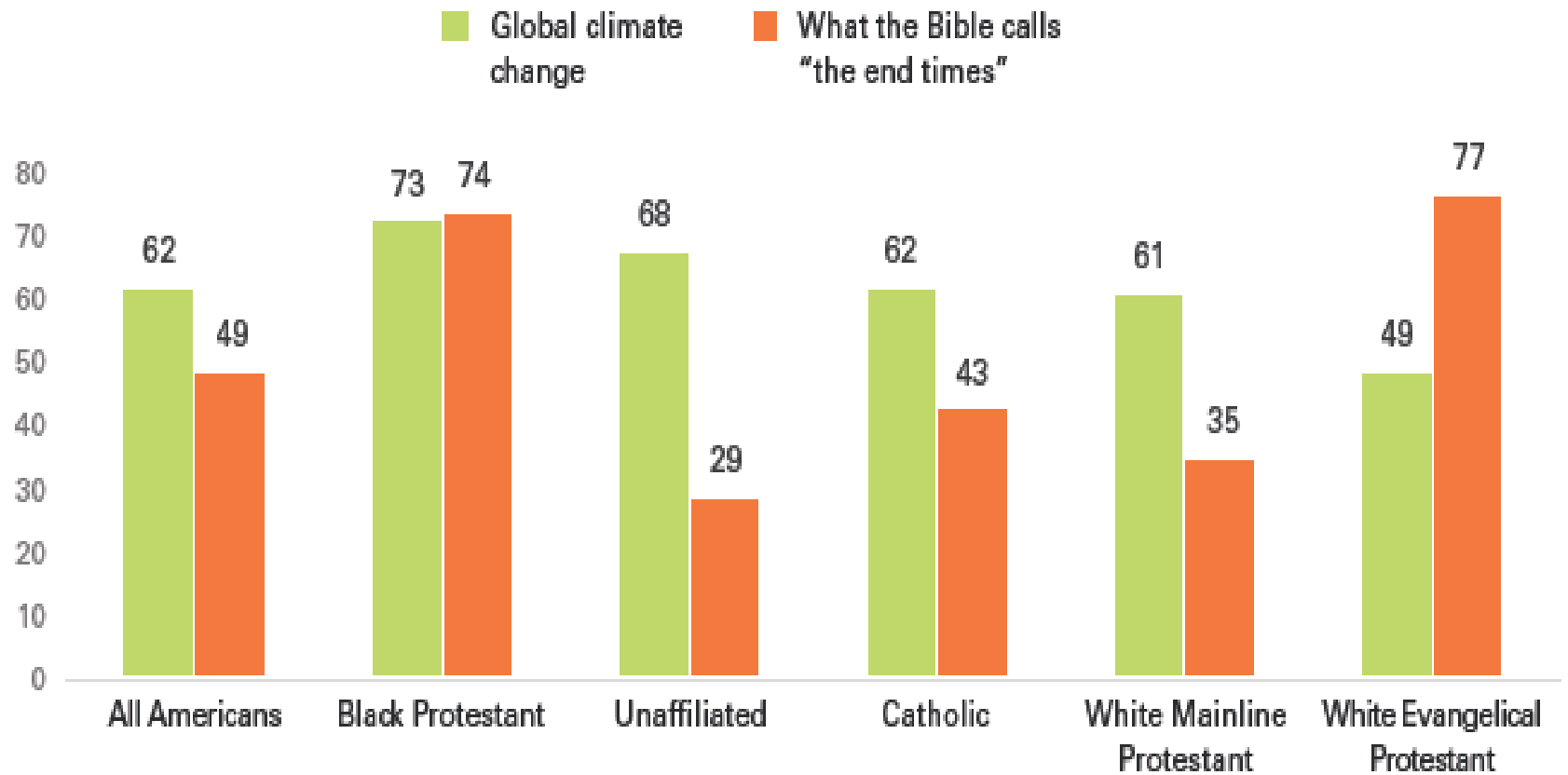


Worldview & acceptance of science





Source: PRRI/AAR, Religion, Values, and Climate Change Survey, November 2014



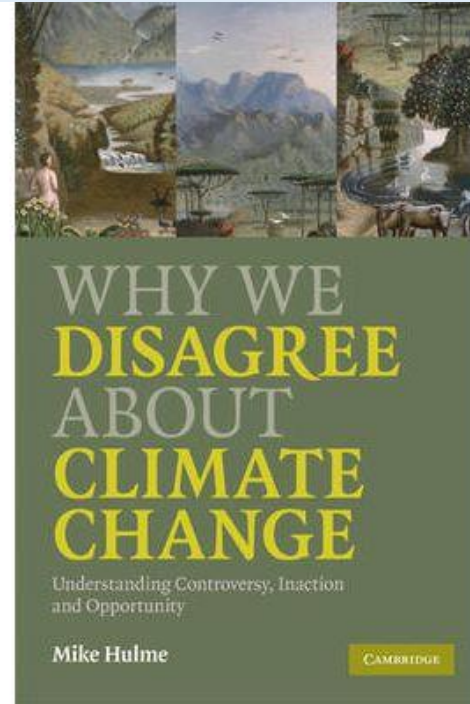
Source: PRRI/AAR, Religion, Values, and Climate Change Survey, November 2014

Barriers

- Jargon, explaining science
- Tribalism, e.g. Bolt fans
- Authority – who do we believe?
- Dualism – doesn't matter as it will all end
- Hopelessness – what can I do?
- Apathy – what's it got to do with me?
- Psychological distance – not here, not now, not me

Frames

- Mostly natural
- Market failure
- Technology hazard
- Global injustice
- Overconsumption
- Tipping points



Moving our Listeners

Guilt paralyses but hope energises(?)

- Personalise
- Alternate polis – beyond left & right
- Virtues – prayer, patience, simplicity
- Eschatology – appealing to hope
- Evangelism & Ecclesiology – being missional

Action – why not just personal?



