

How sensitive is the climate?

Professor Keith Shine FRS
University of Reading

- A fundamental characteristic of the climate system
- If we suddenly doubled the amount of carbon dioxide in the atmosphere, by how much would the Earth eventually warm?

IPCC AR5 concludes it is:

“likely between 1.5°C and 4.5°C”

and

“extremely unlikely it is less than 1°C and very unlikely greater than 6°C”