



Alternatives to climate sensitivity

D. Frame(1), D. Stone(1), P. Stott(2) and M. Allen(1)

(1) University of Oxford, (2) The Met Office

Equilibrium climate sensitivity is often considered a key determinant of climate change, yet recent attempts to obtain an observationally-constrained distribution for climate sensitivity report substantial disagreement, especially regarding the upper bound. There is, by contrast, a considerable consensus surrounding the transient climate response. We argue that scenarios which can exploit this consensus may be preferable to stabilization scenarios, for many purposes.