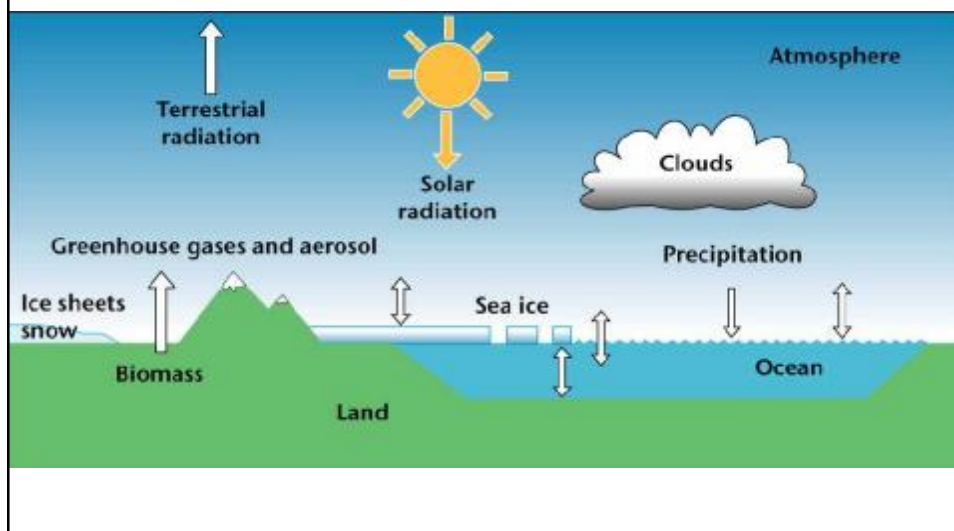


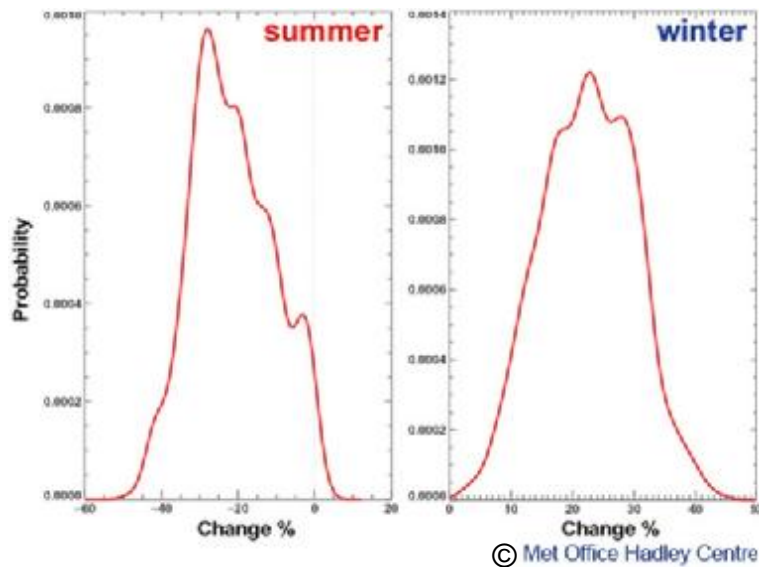
Design and Purpose in Climate Change

John Lockwood

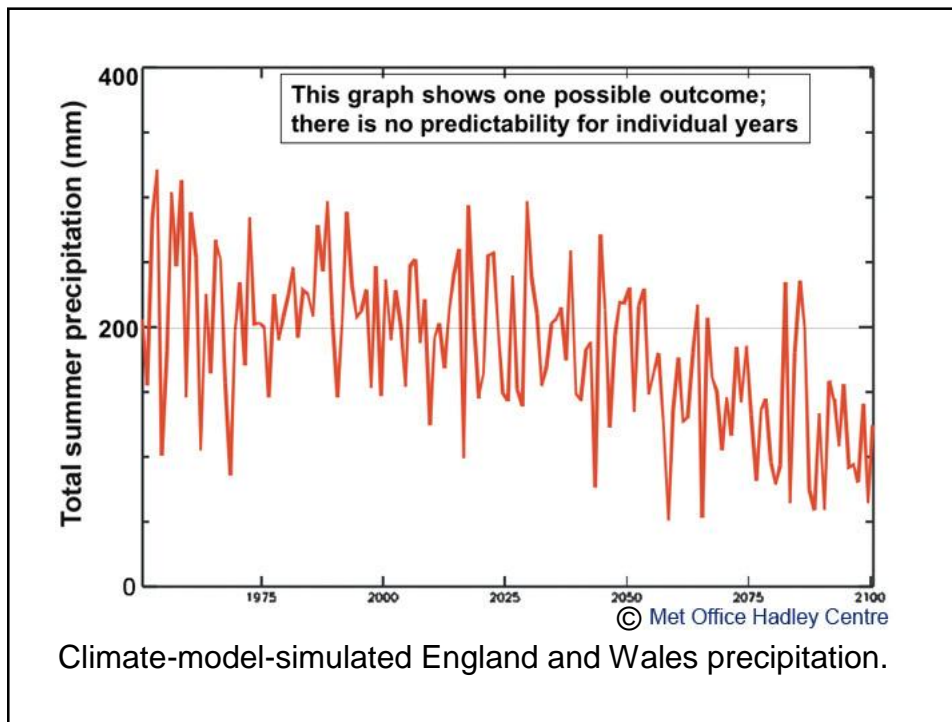
The Climate System



- Transitive - All initial states lead to same set of statistical properties.
- Intransitive, Almost Intransitive - statistical properties highly sensitive to initial conditions.



Probability of changes in England and Wales rainfall in a world where atmospheric carbon dioxide is doubled.



- Interesting properties of atmosphere/ocean systems include - abrupt jumps from one climatic state to another, non-stationary statistical relationships, persistent oscillations.

