

## 4b Projections of future climate change

- Lots of new developments. At a minimum:
  - PRUDENCE and ENSEMBLES data collections and papers
    - Many more statistical properties
    - Increased focus on quantifying uncertainty
  - National work on climate change adaptation etc.
- Interface with validation chapter 4a and attribution chapter 6a?
- Main discussion issue: Are chapters defined by methods or time line? Or
  - The past is also modeled! Same method, different statistical properties

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- What is in this chapter?
  - Atmospheric climate change!
  - Extremes of precipitation; droughts!
  - Marine climate change!
  - Hydrology!
  - Snow and ice!?
  - Sea ice!?
  - Storms!
  - Storm surges!
  - River floods?
  - Atmospheric chemistry in the future!?
  - Effects on optimal agriculture...? Sewage systems?
  - Ocean acidification????
  - Model based studies of the past and present??