**21st century drought scenarios for the UK**

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**Results:** [2] Model evaluation

Figure 2 shows the annual precipitation bias between each member of the HadRM-PPE-UK and the observed dataset taken from the respective 1961-1999 period. There is a strong underestimation of precipitation over NW Scotland and along the west coast of Great Britain and overestimation over much of England, especially central England.

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**Results:** [3] Drought scenarios for the 21st century

Figure 3 shows the change in spatial extent of 21st droughts relative to the 1960-1999 period using DSI-6. In most cases, there is a clear north-south divide in drought extent with much of England and Wales being most affected. Members afick and afid show an increase and decrease in droughts, respectively.

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**Further work:**

Work is in progress to examine the spatial coherence of droughts and the decay distance for both the 20th and 21st centuries. This is examined by taking the fraction of time in which the years corresponding to the 90th percentile of the DSI-6 timeseries at a reference grid is common to that of all other grids.

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**References:**
