



**Barcelona
Supercomputing
Center**

Centro Nacional de Supercomputación



Bias adjustment breakout group



Chairs: Doug Smith and Virginie Guemas



Accounting for the spatio-temporal dependence of the bias

- trend correction
- sensitivity of the drift to the climate state
- low frequency variability (ie. hindcast period might sample a single phase)
- spatial shifts of patterns
- volcanoes
- anomaly versus full field
- flux correction / online bias correction

Robust calibration with limited observations

- signal to noise paradox
- changing observational network
- adjusting the variance
- quantile matching

From CMIP5 to CMIP6 bias correction guidance

- description of CMIP5 procedure
- pros and cons
- proposal for CMIP6 procedure