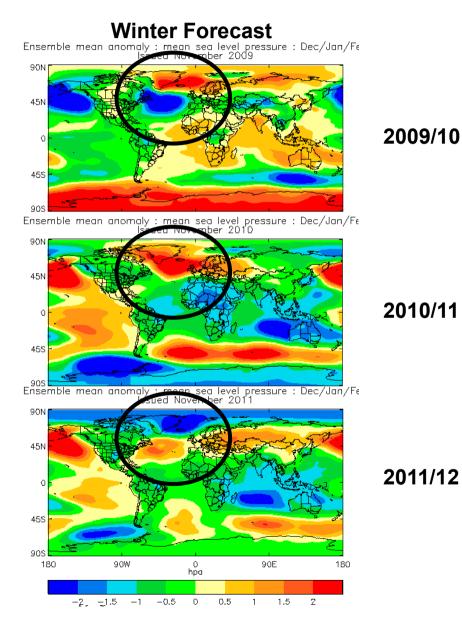
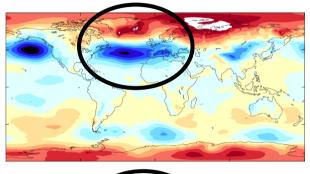
UKMO Activities

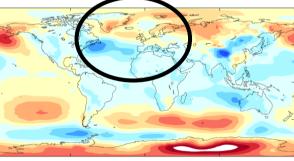
Adam Scaife, Alberto Arribas, Doug Smith, Richard Graham, Anca Brookshaw and Jeff Knight

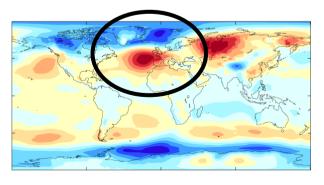
How well have we been doing?



Observations







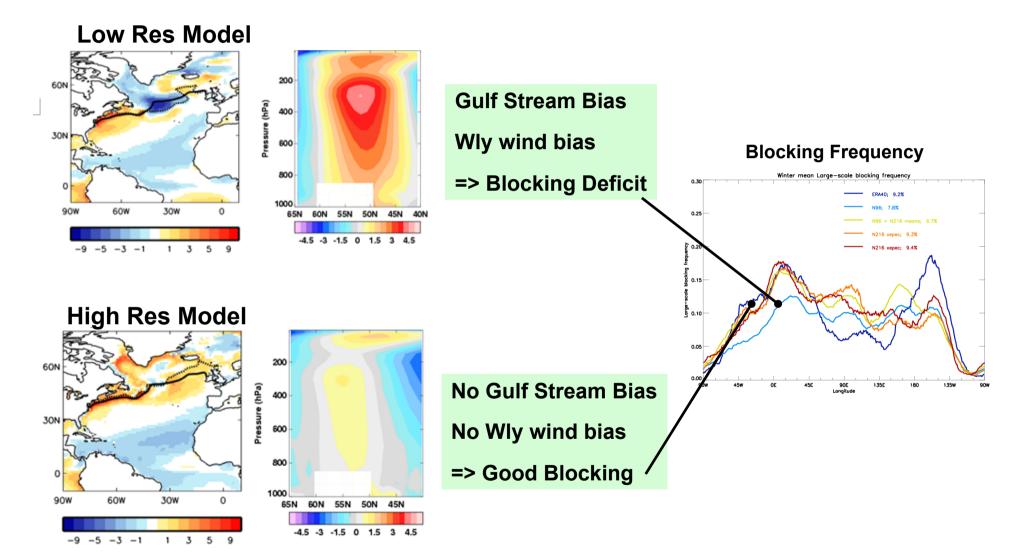
Daily average pressure anomaly (operational analysis wrt 1961-90) December 1st 2011 to February 29

Improved UKMO Systems

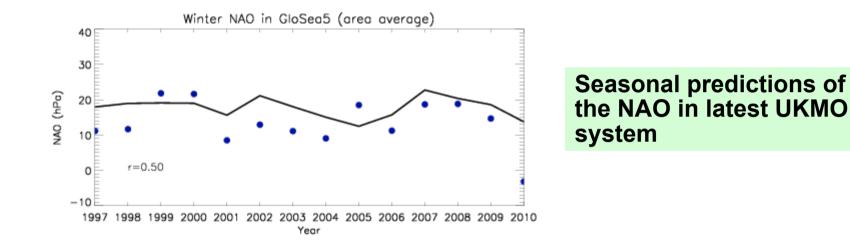
Seasonal GloSea5

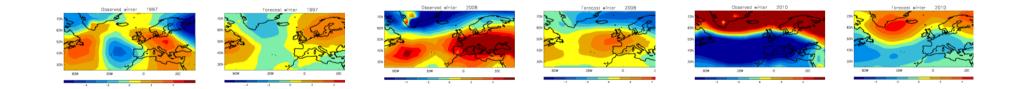
Range: 7months Model: HadGEM3 Resolution: N216L85O(0.25) Initialisation: daily, NWP analysis + ocean analysis Method: Full field + bias correction Sea-ice, stratosphere Nov 2012 **Decadal DePreSys** Range: **10 years** Model: HadGEM3 Resolution: N96L85O(1) Initialisation: **Annual**, **O-A** relaxation Method: Anomaly Initialisation Sea-ice, stratosphere **Dec 2012**

Improved Atlantic Blocking



Long range prediction skill of the NAO has been low but...





Seasonal Predictions of individual winter pressure patterns

Many winters show similarity between ensemble mean and observed anomalies!