

Figure S1: Global Mean Sea Level Pressure (MSLP) for July 2005 as a monthly mean. Results are shown from a run at high resolution HR, a run at climate resolution CR and the ERA-Interim reanalysis dataset. Differences between the CR and HR run are also shown (bottom right).

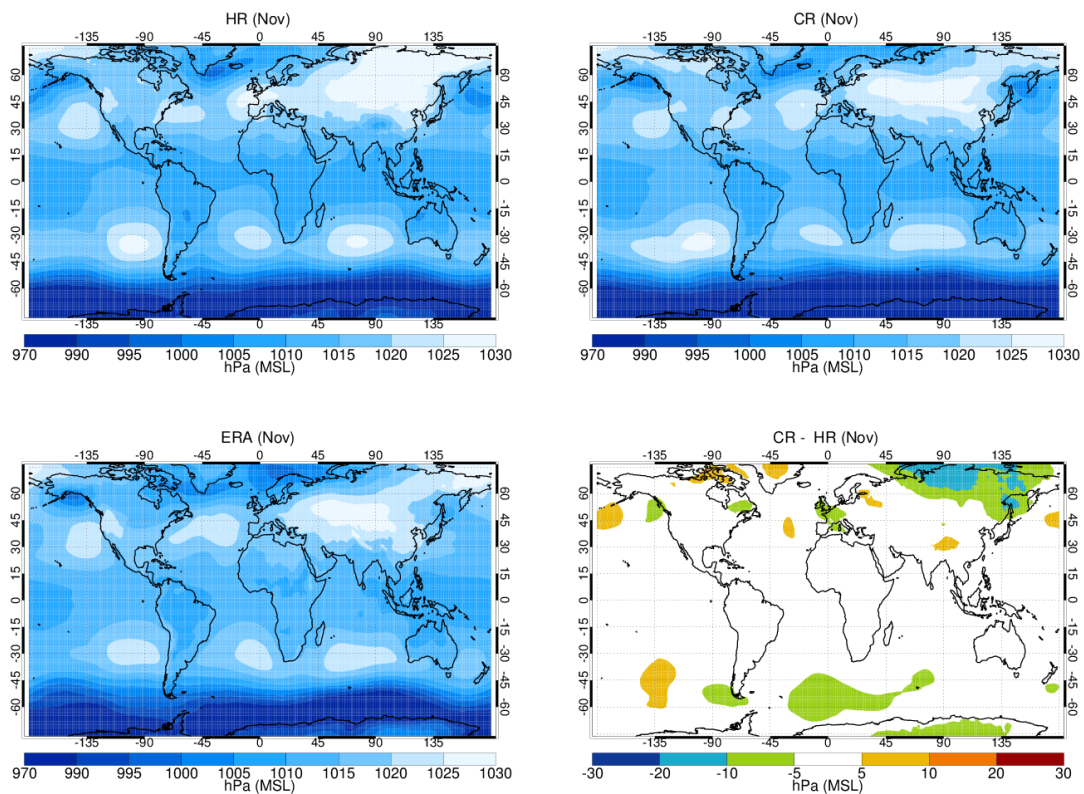


Figure S2: Global Mean Sea Level Pressure (MSLP) for November 2005 as a monthly mean. Results are shown from a run at high resolution HR, a run at climate resolution CR and from the ERA-Interim reanalysis dataset. Differences between the CR and HR run are also shown (bottom right).

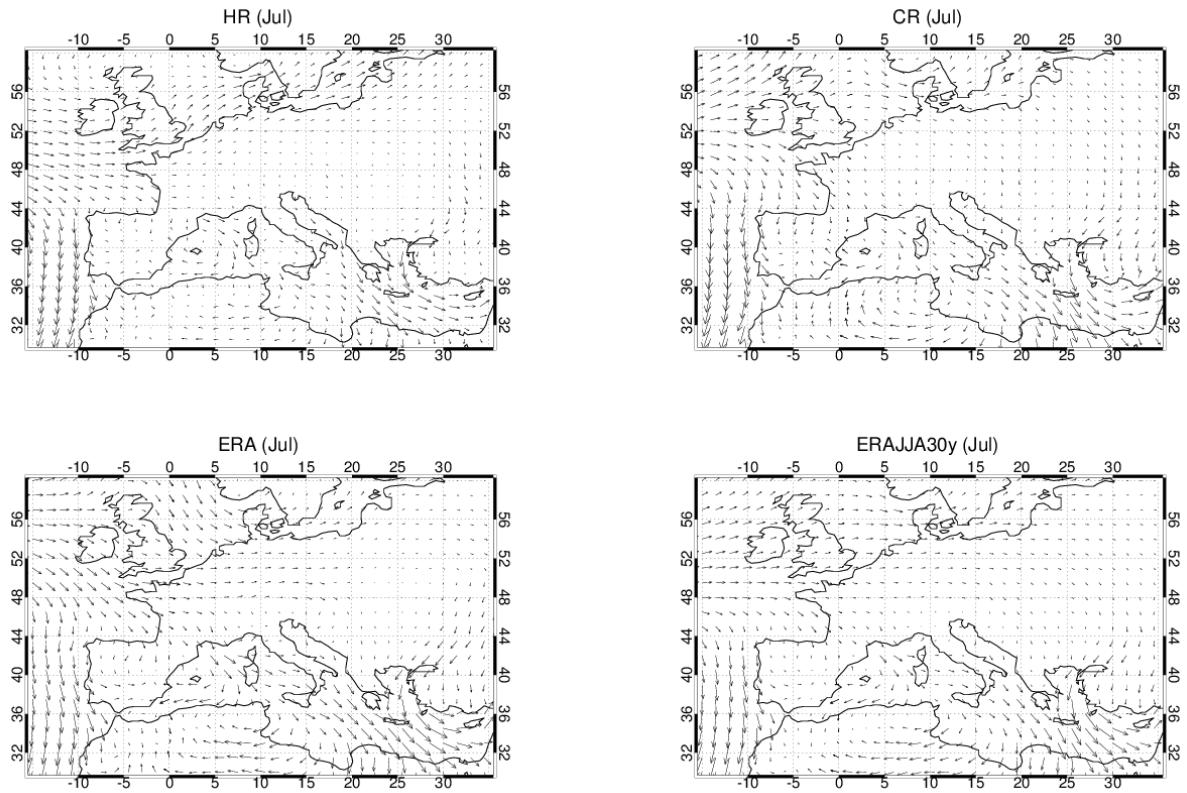


Figure S3: Surface winds (10m) over Europe for July 2005 as a monthly mean. Results are shown from a run at high resolution HR, a run at climate resolution CR and from the ERA-Interim reanalysis dataset as a monthly mean for July 2005 and from ERA-Interim reanalysis dataset as an average JJA season over 30 years (1980-2010).

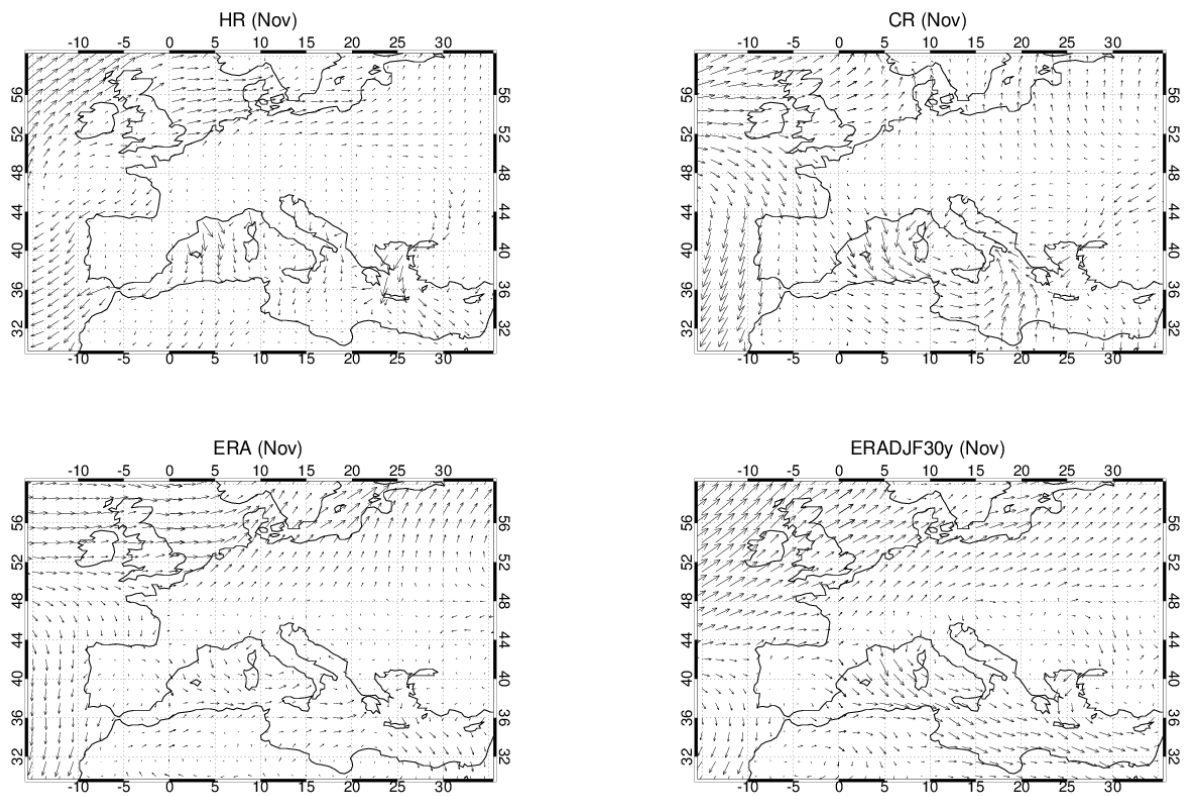


Figure S4: Surface winds (10m) over Europe for November 2005 as a monthly mean. Results are shown from a run at high resolution HR, a run at climate resolution CR, from the ERA-Interim reanalysis dataset as a monthly mean for November 2005 and from ERA-Interim reanalysis dataset as an average DJF season over 30 years (1980-2010).