



## **ENSO in the HadGEM2-ES CMIP5 centennial simulations**

S. Ineson and T. Graham

Met Office Hadley Centre, Exeter, United Kingdom (sarah.ineson@metoffice.gov.uk)

Characteristics of ENSO are explored in the Met Office Hadley Centre Earth System Model HadGEM2-ES. The coupled model has an atmosphere resolution of  $1.875^\circ \times 1.25^\circ$  with 38 vertical levels and an ocean resolution of  $1^\circ$ , increasing to  $1/3^\circ$  on the equator, and 40 vertical levels. We will describe the historical simulation with respect to observations, look for changes in ENSO metrics for various scenarios (RCP2.6, RCP4.5 and RCP8.5 out to 2300) and attempt to understand the reasons for any changes.