Geophysical Research Abstracts
Vol. 18, EGU2016-9514, 2016
EGU General Assembly 2016

Calibration and combination of seasonal forecast over Southern Europe

Eroteida Sanchez (1), Jose Voces (2), and Ernesto Rodriguez-Camino (3)

(1) Agencia Estatal de Meteorologia (AEMET), Santander, Spain (esanchezg@aemet.es), (2) Agencia Estatal de Meteorologia (AEMET), Santander, Spain (jvocesa@aemet.es), (3) Agencia Estatal de Meteorologia (AEMET), Madrid, Spain (erodriguezc@aemet.es)

The four seasonal operational systems integrated in EUROSIP (European Centre for Medium-Range Weather Forecasts (ECMWF), Météo-France, UK Met Office and National Center for Environmental Prediction (NCEP)) are first separately verified for different seasons, lead times, variables and sub-regions over Southern Europe based on available hindcasts. Then, the impact of calibration and combination of seasonal hindcasts using different setups of a Bayesian scheme is shown and discussed. Although results show relatively low skill as a consequence of the low predictability at seasonal scale over mid-latitudes, there is a noticeable consistency among models. Windows of opportunity associated to certain seasons, variables, models and regions are also shown and discussed.