



Decadal hindcasts with the ECMWF coupled system

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In this study results of decadal ensemble hindcasts over the period 1960-2005 are presented. The experiments were performed at ECMWF using the IFS/NEMO coupled model initialised with analysis data. The ocean conditions have been produced with NEMOVAR, a multivariate 3D-var data assimilation method. The atmosphere and land surface initialization was from the ERA-40 and ERA-Interim reanalysis.

The decadal prediction experiments show a positive forecast quality that can be statistically significant over several areas. When the linear climate trend is subtracted, some regions (common to all the experiments carried out) of more pronounced predictability have been identified.