

Geophysical Research Abstracts,
Vol. 10, EGU2008-A-11630, 2008
SRef-ID: 1607-7962/gra/EGU2008-A-11630
EGU General Assembly 2008
© Author(s) 2008



Seasonal-to-interannual dynamical prediction of large-scale climate modes

F.J. Doblas-Reyes

European Centre for Medium-Range Weather Forecasts, ECMWF, Reading, UK
(f.doblas-reyes@ecmwf.int)

An assessment of probabilistic predictions at the seasonal and longer time scales of the main large-scale climate modes in the Northern Hemisphere will be presented. The relationship between the forecast quality and the systematic error of the models as well as the relative impact of the anthropogenic forcing on climate-mode variability will be discussed. The forecasts are based on the output of the latest versions of the dynamical models used in seasonal and interannual forecasting. In particular, results from ensemble integrations that employ different approaches to sample the impact of model uncertainty in forecast error (multi-model, perturbed parameters, stochastic physics) will be presented and the relative merits of each approach illustrated.