

S2d ENSEMBLES meeting, Barcelona 7-8 June 2007

Thursday (15:00-19:00)

- **15:00-15:15 Introduction and discussion of the agenda**
- **15:15-16:35 Global s2d ensemble forecast systems** (20 minutes including questions)
Antje Weisheimer (ECMWF), Francisco J. Doblas-Reyes, Judith Berner and Tim N. Palmer
Assessment of forecast quality using the ENSEMBLES multi-model and stochastic physics seasonal and decadal predictions

Michel Déqué (Météo-France, France)
Initialization of the atmosphere in ENSEMBLES seasonal forecasts: ERA40 nudging versus ERA40 anomaly nudging

Noel Keenlyside (IfM-Kiel, Germany), Mojib Latif, Johann Jungclauss and Eric Roeckner
Forecasting North Atlantic decadal variability

Doug Smith (Met Office, UK), James Murphy, B Bhaskaran and Mat Collins
Assessment of stream 1 seasonal-to-decadal ensemble hindcasts using perturbed physics and initial condition ensembles of the DePreSys system
- **16:35-17:00 Coffee break**
- **17:00-18:00 Global s2d ensemble forecast systems** (20 minutes including questions)
Andrea Alessandri (INGV, Italy), Andrea F. Carril, P. Di Pietro, Silvio Gualdi, Simona Masina and Antonio Navarra
Seasonal predictions at INGV-CMCC: sensitivity to improvements in ocean initial conditions

Philippe Rogel (CERFACS, France), Nicolas Daget, Eduardo Da Costa and Anthony Weaver
Multi-decadal ensembles of ocean reanalyses and decadal hindcast ensembles for the ENSEMBLES project

Alberto Arribas (Met Office, UK)
Met Office seasonal hindcasts for ENSEMBLES stream 2
- **18:00-18:45 Other global s2d forecast systems** (15 minutes including questions)
Caio Coelho (CPTEC, Brazil), Tércio Ambrizzi, David L. T. Anderson, Magdalena A. Balmaseda, Iracema F. A. Cavalcanti, Michel Déqué, Maria A. F. S. Dias, Pedro L. S. Dias, Francisco J. Doblas-Reyes, Richard Graham, Alexandre K. Guetter, Antonio D. Moura, Luciano P. Pezzi, Reinaldo B. Silveira David B. Stephenson and Timothy N. Stockdale
EUROBRISA: A Euro-Brazilian initiative for improving South American seasonal forecasts

Debbie Hudson (BoM, Australia), Oscar Alves, Guomin Wang, Harun Rashid and Harry Hendon
A new atmosphere-land initialisation (ALI) scheme for POAMA, the Australian Bureau of Meteorology's seasonal forecast system

Augustin Vintzileos (NCEP, USA)
Introduction to NCEP activities
- **18:45-19:00 ENSEMBLES/AMMA** (15 minutes including questions)
Paolo Ruti (ENEA, Italy), Serge Janicot, Andy P. Morse and Jan Polcher
The West African Monsoon: a useful test for seasonal and decadal predictions

Friday (8:30-13:00)

- **8:30-9:30 General discussion**
 - Annual report and detailed implementation plan for years 3 and 4
 - Progress with s2d deliverables
 - Progress with the Stream 2 simulations and further analysis of Stream 1
 - Collaboration between ENSEMBLES and AMMA
- **9:30-10:00 Towards decadal forecast systems** (15 minutes including questions)
 - Holger Pohlmann (MPI, Germany), Johann Jungclauss and Jochem Marotzke
Initialization of a global climate model with oceanic reanalysis
 - Alberto Troccoli (ECMWF)
Issues in initial value climate prediction
- **10:00-10:40 Skill assessment and processes** (20 minutes including questions)
 - Prince Xavier (LMD, France) and Jean-Philippe Duvel
Evaluation of tropical intraseasonal variability and predictability in the DEMETER hindcasts
 - Geert Jan van Oldenborgh (KNMI, The Netherlands)
Extreme climate: on the improbabilities of the last year's temperature records and the inability of climate models to simulate the changing climate of Europe
- **10:30-11:10 Coffee break with discussion**
 - Decadal ensemble simulations and its link to WCRP activities
 - Contributions to cross-cutting meetings at the next general assembly in Prague
- **11:10-11:45 Skill assessment and processes**
 - Andreas Weigel (Meteoswiss, Switzerland), Mark Liniger and Christof Appenzeller (20 mins)
Can multi-models really enhance the seasonal predictions?
 - Reinhard Schiemann (ETH, Switzerland), Mariya G. Glazirina and Christoph Schär (15 mins)
On the relationship between the Indian summer monsoon and river flow in the Aral Sea basin
- **11:45-12:25 Downscaling** (20 minutes including questions)
 - Bartolomé Orfila (INM, Spain), Elia Díez, Federico Franco, Begoña Luaces and Elias Criado
Downscaling techniques applied to seasonal forecast outputs of the EU ENSEMBLES project
 - María Dolores Frías (Univ. of Cantabria, Spain), S. Herrera, Antonio S. Cofiño and José Manuel Gutiérrez
Seasonal predictability over the Iberian Peninsula associated with ENSO events
- **12:25-12:40 Applications** (15 minutes including questions)
 - Angel Utset (ITACyL, Spain)
Introducing climate and crop-growth modelling tools to provide climate-risk mitigation options to European agriculture: The role of local researchers, seasonal forecasts and demonstration proposals
- **12:40-13:00 Wrap-up, final discussion and closure**