Session 1: Probabilistic monthly, seasonal and climate predictions

1. 11:00 - 11:30 (Invited Talk) (45)
   Myles Allen (University of Oxford, UK)
   Model error in probabilistic climate forcing.

2. 11:30 -11:45
   Aurel Moise (Bureau of Meteorology Research Centre, Australia)
   PROBABILISTIC PREDICTIONS OF CLIMATE CHANGE IN AUSTRALIA USING
   THE RELIABILITY ENSEMBLE AVERAGE (REA) OF AR4 MODEL
   SIMULATIONS

3. 11:45-12:00
   Gan Thian Yew (University of Alberta, Canada)
   A comparison of pre- and post-model resampling schemes for seasonal streamflow
   forecasting with Ensemble Streamflow Prediction method

12:00-14:00 BREAK

4. 14:00-14:15
   Ben Booth (Met Office, UK)
   Climate change ensemble prediction at the Hadley Centre

5. 14:15-14:30
   Peter Chu (Naval Postgraduate School, USA)
   Prediction of Climate Indices Using the First Passage Time

6. 14:30-14:45
   Andrew Colman (UK Met Office, UK)
   USE OF LINEAR DISCRIMINANT METHODS FOR CALIBRATION OF
   SEASONAL PROBABILITY FORECASTS

7. 14:45-14:50 (Introduction to Poster)
   Roxana-Monica Sasu (National Meteorological Administration, Romania)
   A REGIONAL SCALE ENSEMBLE PREDICTION SYSTEM FOR 10 DAYS - 1
   MONTH RANGE

8. 14:50 – 14:55 (Introduction to Poster)
   Yeon Hee Kim (Kongju National University, Republic of Korea)
   Seasonal prediction of Korea regional climate from preceding large-scale climate indices.

9. 14:55 – 15:00 (Introduction to Poster)
   Zheng Fei (INSTITUTE OF ATMOSPHERIC PHYSICS, CHINA)
   Ensemble Hindcasts of SST Anomalies in the Tropical Pacific Using an Intermediate
   Coupled Model.
Session 2: Probabilistic data assimilation

10. 15:00-15:30
Thomas, Hamill (NOAA Earth System Research Lab, USA) (Invited)
Ensemble Data Assimilation with the NCEP GFS

15:30-15:45  BREAK

11. 15:45-16:00
Dusanka Zupanski (Colorado State University)
An ensemble-based approach to information content analysis and some new applications

12. 16:00-16:15
Milija Zupanski (Colorado State University, USA)
A dynamic localization method for use with targeted observations and ensemble data assimilation

13. 16:15-16:30
Craig Bishop (Naval Research Laboratory, USA)
ECO-RAP, Part 1: A new adaptive error covariance localization tool for 4-dimensional ensemble data assimilation.

14. 16:30-16:45
Yubao Liu (National Center for Atmospheric Research, USA)
Developing multiple approaches for mesoscale ensemble data assimilation and prediction

15. 16:45-17:00
Paul Krause (University of Sao Paulo, Brazil)
Data assimilation through particle filters for small diffusion kernels on branches of prediction

16. 17:00-17:15
Sangil Kim (Oregon State University, USA)
Comparison of Ensemble-based Filters for the Stochastic Cessi-Young Equation

17. 17:20-17:27
Hailiang Du (London School of Economics, UK) (Introduction to Poster)
Nowcasting with Indistinguishable States (Data Assimilation)

18. 17:27-17:30
Svetlana Losa (Climate Sciences Ocean Dynamics, Germany) (Introduction to Poster)
Particle filtering for strongly non-linear ecosystem modeling.

17:30-18:00
BREAK

18:00-20:00
Poster Presentations for MS008 in Rocca Paolina, CERP

Tuesday, July 3
Session 3: Short range probabilistic prediction

19. 9:00-9:30 (Invited Talk)
Cliff Mass (University of Washington, USA)
Probabilistic Short-Range Prediction over the Northwest U.S.

20. 9:30-9:45
Chiara Marsigli (ARPA-SIM, Bologna, Italy)
Impact of using model perturbations in a limited-area ensemble forecasting system for the short-range.

21. 9:45-10:00
Sarah John (Met Office, UK)
MOGREPS: A MET OFFICE ENSEMBLE PREDICTION SYSTEM FOR SHORT-RANGE WEATHER FORECASTING

22. 10:00-10:15
Maurice Schmeits (KNMI, Netherlands)
Probabilistic forecasts of (severe) thunderstorms for the purpose of issuing a weather alarm

23. 10:15-10:30
Bernd Becker (Met Office, UK)
FORECASTING THE DURATION OF WEATHER EVENTS ON THE MONTHLY TIME SCALE

10:30-11:00 BREAK

24. 11:00-11:15
Andrea Montani (Hydrometeorological service of Emilia-Romagna, Italy)
The COSMO-LEPS system at ECMWF: present status and future plans

25. 11:15-11:30
Xiaodong Hong (Naval Research Laboratory, Monterey)
Flow dependent inexpensive high resolution ensembles of ocean surface forcings using time deformation

26. 11:30-11:45
Blazenka Matjacic (Meteorological and Hydrological Service, Croatia)
DYNAMICAL DOWNSCALING OF ECMWF EPS FORECASTS APPLIED TO CASES OF SEVERE WEATHER IN CROATIA

27. 11:45-12:00
Stevie Roquelaure (Meteo-France, France)
A LOCAL-ENSEMBLE PREDICTION SYSTEM (L-EPS) FOR FOG AND LOW CLOUDS PREDICTION AT PARIS INTERNATIONAL AIRPORT

28. 12:00-12:03 (Introduction to Poster)
Jun Du (Environmental Modelling Center, USA)
Sensitivity study of T2m and precipitation forecasts to soil moisture initial condition using NCEP WRF ensemble system

29. 12:03-12:06
Josiane Bustamante (CPTEC, Brazil) (Introduction to Poster)
EVALUATION OF DIFFERENT SHORT-RANGE ENSEMBLE FORECAST METHODOLOGIES IN SEVERE WEATHER EVENTS

30. 12:06-12:09 (Introduction to Poster)
Yong Wang (ZAMG, Austria)
Dealing with the uncertainties related with LAMEPS

12:09-14:00 Break

Session 4: Probabilistic medium range predictions

31. 14:00-14:30 (Invited Talk)
Olivier Talagrand (Ecole Normale Superieure, France)
Report of the THORPEX Interest Group on Theoretical Aspects of Ensemble Prediction

32. 14:30-14:45
Lizzie Froude (University of Reading, UK)
The Prediction of Extratropical Cyclones by the ECMWF Ensemble Prediction System: A Regional Analysis

33. 14:45-15:00
Christopher Wolfe (Scripps Institution of Oceanography, USA)
The relationship between Lyapunov vectors and singular vectors in a time-periodic baroclinic wave-mean oscillation.

34. 15:00-15:15
Jan Keller (University of Bonn, Germany)
Generation and Validation of probabilistic quantitative precipitation forecasts using Breeding and Ensemble Kalman techniques with the global model GME

35. 15:15-15:30
Jiang Zhina (Institute of Atmospheric Physics, China)
Application of conditional nonlinear optimal perturbations to ensemble prediction

15:30-16:00 Break

Session 5: Application and Evaluation of Probabilistic forecasts

36. 16:00-16:30
Liam Clark (London School of Economics/University of Oxford, UK) (Invited)
Applying Probabilistic Forecasts of Physical Systems: Probably not Probability but Probabilistic

37. 16:30-16:45
Alaba Boluwade (Olabisi Onabanjo University, Nigeria)
The Application of the the Box - Jenkins Methodology for Early Flood Warning in Nigeria

38. 16:45-17:00
Thomas, Hamill (NOAA Earth System Research Lab, USA)
Ensemble forecast calibration using "reforecasts"

39. 17:00-17:15
Petra Friederichs (University of Bonn, Germany)
A probabilistic forecast approach for (extreme) daily precipitation totals applied to GFS forecasts

40. 17:15-17:30
Jochen Broecker (London School of Economics, UK)
Forecast evaluation and proper scores

41. 17:30-17:33 (Introduction to Poster)
Sangil Kim (Oregon State University, USA)
Quantifying Predictability by the Relative Entropy

18:00-20:00
Poster Presentations for MS008 in Rocca Paolina, CERP