

Annex II: Workshop programme

Monday 15 June 2009

- 0900-0920 *Registration*
- 0920-0925 **Martin Miller (ECMWF)**
Welcome
- 0930-1010 **Eugenia Kalnay (Maryland University)**
Data Assimilation Systems (Review)
- 1015-1055 **Gerald Desroziers (Météo-France)**
Objective validation of a data assimilation system: diagnosing sub-optimality (Review)
- 1100-1120 *Tea/coffee*
- 1120-1150 **Chiara Piccolo (UK Met)**
Diagnose model error in data assimilation system
- 1155-1225 **Peter Bauer (ECMWF)**
Observation System Experiment to estimate the impact of observations
- 1230-1330 *Lunch*
- 1330-1400 **Junjie Liu (Berkeley University) (presented by Eugenia Kalnay)**
Information Content in EnKF and the relation with Cross Validation
- 1405-1435 **Loik Berre (Météo France)**
Estimation and diagnosis of analysis/background error covariances from an ensemble assimilation
- 1440-1510 **Nedjelika Zagar (University of Ljubljana)**
Diagnosis of data assimilation systems by using normal modes
- 1515-1535 *Tea/coffee*
- 1535-1605 **Paul Poli (ECMWF)**
Monitoring long data assimilation time series: a reanalysis perspective with Era-Interim
- 1610-1640 **Angela Benedetti (ECMWF)**
Chemistry Data Assimilation validation with respect to independent data
- 1645-1715 **Michiko Masutani (NOAA)**
Observing Simulated System Experiment to estimate the potential of future observations
- 17:20-1745 **Poster presentations and Cocktail Party**

Tuesday 16 June 2009

- 0900-0930 **Poster presentations**
- 0935-1015 **Ron Gelaro (GMAO)**
Recent developments in the use and understanding of adjoint-derived estimates of observation impact
- 1020-1050 **Dacian Daescu (Portland State University)**
Sensitivity analysis in variational data assimilation and applications
- 1055-1115 *Tea/coffee*
- 1115-1145 **Fernando Prates (ECMWF)**
Monitoring the observation impact in the ECMWF system and its variation with meteorological condition
- 1150-1220 **Olivier Talagrand (LMD)**
Verification of Ensemble Systems
- 1225-1255 **Richard Menard (Environment Canada)**
Convergence and stability of estimated error variances derived from assimilation residuals in observation space
- 1300-1400 *Lunch*
- 1400-1430 **Bernard Chapnik (Météo France)**
On-line observation covariance matrix tuning based on optimality diagnostic
- 1435-1505 **Anthony Weaver (CERFACS)**
Assimilation diagnostics from an ocean 3D-Var/4D-Var system
- 1510-1520 **Introduction to Working Groups**
- 1520-1540 *Tea/coffee - optional*
- 1540-1800 **Working group discussions**
- 1900 *Dinner*

Wednesday 17 June 2009

- 0915-1200 **Working group discussions and drafting of recommendations**
- 1200-1300 *Lunch*
- 1300-1500 **Plenary Session**