

---

## Programme

---

### Monday 11 June 2007

0915-0940 *Registration and Coffee*

0940-0945 Philippe Bougeault ..... Welcome

#### Flow dependence in global data assimilation systems

0945-1015 Andrew Lorenc, Met Office ..... Ideas for adding flow-dependence to the Met Office VAR system

1020-1050 Jim Purser, NCEP ..... Covariance modelling in a grid-point analysis

1055-1105 *Break*

1105-1135 Mike Fisher, ECMWF ..... The Sensitivity of Analysis Errors to the Specification of Background Error Covariances

#### Ensemble approaches

1140-1210 Mark Buhner, Env Canada ..... Ensemble Jb modelling

1215-1330 *Lunch*

1330-1400 Istvan Szunyogh, U. Maryland ..... Implementation of the LETKF on the NCEP Global Forecast System

1405-1435 Lars Isaksen, ECMWF ..... Use of analysis ensembles in estimating flow-dependent background error variances

1440-1510 Jeff Whitaker, NOAA/ESRL ..... Impacts of flow-dependent background-error covariances in the NCEP Global Forecast System

1515-1540 *Tea/coffee*

#### Change of variable approaches

1540-1610 Ian Roulstone, U. Surrey ..... Flow-dependent transforms

1615-1645 Ross Bannister, U. Reading ..... A regime-dependent balanced control variable based on potential vorticity

16:50:17:20 Magnus Lindskog, HIRLAM ..... Background errors in HIRLAM variational data assimilation

17:25 *Cocktail Party*

---

## Programme (continued)

---

### Tuesday 12 June 2007

- 0915-0945 Luc Fillion, Env Canada .....Diabatic omega equation  
0950-1020 Elias Holm, ECMWF .....Humidity control variable and total water  
1025-1050 *Coffee*

#### Implementation issues

- 1050-1120 Olivier Pannekoucke, MeteoFr.....Spatial filtering of analysis ensemble statistics  
1125-1155 Andreas Rhodin, DWD .....Representation of inhomogeneous, non-separable  
covariances by sparse wavelet transformed matrices  
1200-1230 Martin Leutbecher, ECMWF.....Ensemble forecasting and flow-dependent estimates of  
initial uncertainty  
1235-1400 *Lunch*  
1400-1730 Working group discussions  
1800 *Informal buffet in the ECMWF Restaurant*

### Wednesday 13 June 2007

- 0930-1215 Working group discussions and drafting of recommendations  
1215-1345 *Lunch*  
1345-1530 Plenary Session