NINTH WORKSHOP
ON
METEOROLOGICAL OPERATIONAL SYSTEMS

ECMWF, Shinfield Park, Reading/Berks., United Kingdom
10 - 14 November 2003

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PROGRAMME

Monday, 10 November

from 09.00 - Registration and coffee

10.00   Opening (D. Burridge, Director of ECMWF)

Session 1:   Use and interpretation of medium-range to long-range forecast guidance

CHAIR: Dominique Marbouty

10.15   F. Lalaurette, ECMWF:
ECMWF forecasting system, performance and product development

10.55   B R E A K

11.00   P. Dubreuil, Canadian Meteorological Centre:
Current activities and future plans related to medium-range ensemble prediction systems at the CMC

11.40   Q. Chen, NMC China:
A new operational medium-range numerical weather forecast system of China

12.20   L U N C H

CHAIR: Adrian Simmons

13.30   Z. Toth, NCEP:
A new approach to exploring multiple scenarios in ensemble forecasting

14.10   T. Palmer, ECMWF:
Representation of model uncertainty in Ensemble Prediction Systems

14.50   F. Atger/ N. Girardot, METEO-FRANCE:
Verification and use of ECMWF products at METEO-FRANCE

15.30   C O F F E E

16.00   N. Reed, UK Met Office:
The future role of Weather Forecasters (a quiet revolution)

16.40   E. Carroll, UK Met Office:
Latest developments in Field Modification

17.20   COCKTAILS

Tuesday, 11 November

Session 2:   Operational data management systems

CHAIR: Fredi Hofstadler

09.00   B. Raoult, ECMWF:
ECMWF data services

09.40   E. Sevault, METEO-FRANCE:
The OLIVE project and the SWAPP framework

10.10   C O F F E E

CHAIR: Baudouin Raoult

10.40   M. Lautenschlager/F. Toussaint, MPI Hamburg:
CERA-2: The database system and data model

11.10   G. Purvis, UK Met Office:
The essentials of large volume data management - from practical experience

11.40   S. Savchenko, EMPRESS:
Presentation of BUFR data through a user-friendly interface

12.10   L U N C H

13.15   A. Stephens, Rutherford Appleton Lab.:
Presenting a multi-terabyte dataset via the web

13.45   C. Gibert, ECMWF:
Using scripting languages for meteorological production and publication

Session 1:   Use and interpretation of medium-range to long-range forecast guidance

CHAIR: François Lalaurette

14.15   K. Mylne, UK Met Office:
Probabilistic early warnings of severe weather based on the EPS

14.55   T. La Rocca, Italian Met. Service:
Severe weather: Some case studies for medium-range forecasting

15.25   C O F F E E

CHAIR: Ken Mylne

15.50   T. Schumann, Deutscher Wetterdienst:
Severe weather warnings at the DWD - Recent problems, developments and progress

16.30   D. Cattani, MeteoSwiss:
Forecasting extreme meteorological events over complex topography

17.00   I. Ihasz, Hungarian Met. Service:
Experiments of clustering for central European area especially in extreme weather situations

17.30   CLOSE

Wednesday, 12 November

Session 3: **Meteorological visualisation applications**

CHAIR: **Jens Daabeck**

09.00   S. Lamy-Thepaut, ECMWF:
MAGICS next generation: An object-oriented architecture with a new contouring package

09.25   V. Karhila, ECMWF:
Metview developments

09.40   E. Martinsen/A. Christoffersen, Norwegian Met. Institute:
Operational visualisation systems at the Norwegian Meteorological Institute

10.10   A. Lasserre-Bigorry, METEO-FRANCE:
Synergie updates and plans

10.40   E. Cordoneanu, NIMH Romania:
Meteorological visualization applications at NIMH Romania

11.10   C O F F E E

Session 4: **Special session on requirements of observations for NWP**

CHAIR: **Horst Böttger**

11.40   J.N. Thepaut, ECMWF:
Requirements for timely data reception at ECMWF

12.10   R. Saunders, UK Met Office:
The need for faster delivery of satellite data to NWP Centres

12.40   L U N C H

CHAIR: **Roger Saunders**

13.30   Z. Toth, NCEP:
Requirements at NCEP

14.00   E. Sevault, METEO-FRANCE:
Observation requirements and data assimilation at METEO-FRANCE

14.30   H. Schyberg, Norwegian Met. Institute:
Satellite observation delivery requirements for HIRLAM

15.00   R. Sarrazin, Canadian Met. Centre:
Timeliness and impact of observations in the CMC global NWP system

15.30   C O F F E E

16.00   K. Holmlund, EUMETSAT:
EUMETSAT current and future plans on product generation and dissemination

16.30   G. Legg, NOAA/NESDIS:
NOAA/Polar data processing timeliness

17.00   B. Truscott, EUCOS:
The EUMETNET Composite Observing System (EUCOS)

17.30   Formulation of recommendations

17.45   CLOSE

Thursday, 13 November

Session 3:   Meteorological visualisation applications

CHAIR: Juha Kilpinen

09.00   J. Kilpinen/A. Sarkanen, Finnish Met. Institute:
Recent developments of visualisation at FMI

09.40   S. Schotz, NCEP:
NMAP development status and plans

10.20   H.-J. Koppert, DWD:
NinJo - An international workstation project

11.00   C O F F E E

11.30   A.M. Monteiro, INPE/CPTEC:
Image handling in spatial databases

12.10   C. Little, UK Met Office:
Initial investigations of SVG (Scalable Vector Graphics) at the UK Met Office

12.40   L U N C H

CHAIR: Hans-Joachim Koppert

13.30   S. Lapczak, Met. Service Canada:
Canadian forecaster workstation project

14.00   O. Rouzaud, METEO-FRANCE:
Synergie operations organisation

14.30   L. Treinish, IBM:
Applications and implementation of a mesoscale numerical weather prediction and visualisation system

15030   C O F F E E

15.30   Working Groups

from 17.30   Exhibition and Poster Session (in Classroom)

19.00   BUFFET DINNER (ECMWF Restaurant)

Friday, 14 November

Session 1:   Use and interpretation of medium-range to long-range forecast guidance

CHAIR: François Lalaurette

09.00   L. Ferranti, ECMWF:

ECMWF long-range forecasts

09.40   I. Cavalcanti, CPTEC/INPE:

Operational medium-range to long-range forecast at CPTEC

10.20   P. Devarajan, NCMRWF:

Weather forecasting at NCMRWF

10.50   R. Jin, NMC China:

The interpretation of ECMWF medium-range forecast guidance for the draught/flood forecasting of the middle and lower reaches of the Yangtze River

11.20   C O F F E E

11.40   Plenary session: Final discussion

Chair: Horst Böttger

12.45   CLOSURE