

Fourth Workshop of the SRNWP Lead Centre for Surface Processes and Assimilation of Surface Variables jointly with HIRLAM Workshop on Surface Processes and Turbulence.

SMHI, Norrköping, 15-17 September, 2004

Schedule

Wednesday Sept 15, morning session

Chairman **E. Rodriguez** (each talk should contain 5 minutes for questions)

- 09:00-09:15 **S. Gollvik, P. Undén, Sten Bergström, Jean Quiby:** Welcome and opening of the meeting
- 09:15-10:00 **P. Viterbo:** Land surface model and data assimilation at ECMWF: Current research and outlook
- 10:00-10:30 **M. Best:** Representing urban areas in weather forecasting models
- 10:30-11:00 **P. Le Moigne:** The Meteo-France externalized surface scheme and its integrated physiographical database Ecoclimap
- 11:00-11:30 **Coffee break**
- 11:30-12:00 **P. Le Moigne:** Overview of the main physical processes of the externalized surface scheme. Hydrological applications
- 12:00-12:30 **S. Järvenoja:** Problems in predicted HIRLAM T2m in winter and spring at high latitudes
- 12:30-14:00 **Lunch**

Wednesday Sept 15, afternoon session

Chairman **Bent Hansen-Sass**

- 14:00-14:30 **S. Gollvik and E. Rodriguez:** The latest modifications to the Hirlam surface scheme.
- 14:30-15:00 **V. Perov:** Application of a spectral theory of stably stratified turbulence to atmospheric boundary layer
- 15:00-15:30 **C. Halliwell:** Convection studies with a very high resolution model
- 15:30-16:00 **Coffee break**
- 16:00-16:30 **L. Rontu:** Parameterization of the orographic turbulence in Hirlam
- 16:30-17:00 **E. Kourzeneva:** Lake model Flake, coupling with atmospheric model
- 17:00-17:30 **S. Tijm:** The stable boundary layer in Hirlam

Thursday Sept 16, morning session

Chairman **P. Viterbo**

- 09:00-09:30 **P. Samuelsson:** The future of the Rossby Centre land surface model
- 09:30-10:00 **C. Jones:** Soil moisture assimilation at th UK Met Office
- 10:00-10:30 **E. Rodriguez:** Tests with different physiographic data in HIRLAM
- 10:30-11:00 **J.A. Parodi:** ELDAS intercomparison of three different algorithms of soil moisture assimilation
- 11:00-11:30 **Coffee break**
- 11:30-12:00 **B. Navascues:** Error statistics of two-meter temperature and relative humidty for the HIRLAM analysis of surface variables
- 12:00-12:30 **A. Cansado:** Improvement of HIRLAM snow depth analysis
- 12:30-14:00 **Lunch**

Thursday Sept 16, afternoon session

Chairman **P. Undén**

- 14:00-14:30 **E. Bazile:** The GABLS experiment: some benefits for ARPEGE ?
- 14:30-15:00 **G. Lindström:** Surface schemes and hydrological modelling at the SMHI
- 15:00-17:00 Dividing into working two working groups and group discussions, break for coffe at 15:30. Places: Naimakka and Nordkoster
- 19:00 Dinner at the SMHI restaurant.

Friday Sept 17, morning session

Chairman **S. Gollvik**

- 09:00- Working group reporting and discussions.
- 12:00 (latest) Ending of workshop

List of participants:

Bent Hansen-Sass DMI (only Sept 15)
Harald Schyberg, DNMI
Pedro Viterbo, ECMWF
Kalle Eerola, FMI
Simo Järvenoja, FMI
Laura Rontu, FMI
Gerard Cats, KNMI
Han The, KNMI
Alberto Cansado, INM
Beatriz Navascues, INM
Jose Antonio Parodi, INM
Ernesto Rodriguez, INM also Sept 10,13 and 14
Eric Bazile, MF
Patrick Le Moigne, MF
Jean Quiby, MS
Ekaterina Kourzeneva, RSHU
Dina Kozlova,RSHU
Martin Best UKMO
Carol Halliwell, UKMO
Clive Jones, UKMO