

AGENDA

HIRLAM All-Staff Meeting, 2006

Park Hotel Vitosha, Sofia, Bulgaria, 15 - 18 May, 2006

Monday, 15 May

- 09:00-10:00. Welcome and Introduction
Opening of the Meeting
Practical Arrangements for the Meeting*Xiaohua Yang*
09:10. Introduction and current status of HIRLAM-A*Jeanette Onvlee*
09:35. ALADIN status and plans*Jean-Francois Geleyn*

Data assimilation and use of observations. Chair: Ole Vignes

- 10:00. Status and performance of 4D-VAR *Nils Gustafsson*
10:30. Challenges of mesoscale data assimilation *discussion led by Nils Gustafsson*

11:00-11:30. *Coffee-break*

Data assimilation and use of observations (cont.). Chair: Ole Vignes

- 11:30. Improved structure functions for 3D-VAR *Magnus Lindskog*
11:50. Assimilation of AMSU-B radiances in 3D-VAR *Per Dahlgren*
12:10. Observing System Experiments for EUCOS
– recent results from met.no *Vibeke Wauters Thyness*
12:30. General discussion on data assimilation plans

13:00-14:00. *Lunch*

Mesoscale modeling. Chair: Laura Rontu

- 14:00. Status of mesoscale phasing activities *Bent Hansen Sass*
14:30. SMHI ALADIN implementation *Ulf Andrae*
14:50. Combined turbulence – convection scheme *Pier Siebesma*
15:10. Experiences with Kain-Fritsch at 5km resolution *Karl-Ivar Ivarsson*
15:30. General discussion on mesoscale modelling plans

15:45-16:15. *Coffee-break*

Dynamics. Chair: Jose Antonio Garcia-Moya

- 16:15. Brief introduction on dynamics plans *Nils Gustafsson*
16:25. Invited talk from ALADIN on NH dynamics *Radmila Brozkova*
16:45. Mercator map factor activities *Isabel Martinez*

National HIRLAM implementations. Chair: Jose Antonio Garcia Moya

- 17:05. Overview of national operational HIRLAM models *Xiaohua Yang*
17:35. Comments and additions from national representatives
17:40. Brief poster presentations

Tuesday, 16 May

Model Physics.

Chair: Bent Hansen Sass

- 09:00. Overview of physics plans *Sander Tijm*
09:30. Orography-related parametrizations in HIRLAM *Laura Rontu*
10:00. Status of snow/surface/soil scheme *Stefan Gollvik*

10:20-10:50. *Coffee-break*

Model physics (cont.).

Chair: Bent Hansen Sass

- 10:50. Impact of moist CBR *Sander Tijm*
11:05. CBR and the stable boundary layer *Evgeni Atlaskin*
11:20. General discussion of physics plans

Predictability.

Chair: Jan Barkmeijer

- 11:35. Brief overview of predictability plans *Nils Gustafsson*
11:50. Bayesian Model Averaging plans at KNMI *Ben Wichers Schreur (cancelled)*
12:10. LAMEPS experiences at met.no *Trond Iversen*
12:30. General discussion on predictability plans

13:00-14:00. *Lunch*

System and applications.

Chair: Per Unden

- 14:00. Overview of system and application plans *Xiaohua Yang*
14:30. Validation of HIRLAM7.0 against HIRLAM6.4 in winter and summer *Kalle Eerola*
14:50. Sodankyla data utilization for HIRLAM verification and ABL studies *Evgeni Atlaskin*
15:10. Boundary layer validation experiments
using 1D-models *Sander Tijm on behalf of Cisco de Bruijn*

15:30 -16:00. *Coffee/tea break*

System and applications (cont.).

Chair: Per Unden

- 16:00. The FMI road weather model *Markku Kangas*
16:20. Version control in HIRLAM *Tomas Wilhelmsson*
16:40. The LinuxPC configuration: Run HIRLAM using free software only *Toon Moene*
17:05. HIRLAM system wiki: new features in HIRLAM HexNet . *Tomas Wilhelmsson, Xiaohua Yang*
17:30. General discussion on system and application plans.....

Wednesday, 17 May

Variational data assimilation.

- 08:30. Recent activities with the ALADIN/HU 3D-VAR system*G. Boloni and R. Randriamampianina*
08:50. Overview of ALADIN-France activities and plans*Claude Fischer*
09:10. Status and results of HIRLAM 4D-VAR*Nils Gustafsson*
09:30. Mesoscale data assimilation: challenges and plans*Jeanette Onvlee*
09:50. General discussion

10:40-11:00 *Coffee/tea break*

Predictability and LAM-EPS.

- 11:00. ALADIN achievements*Andras Horanyi*
11:25. The future development and research plan of ALADIN Ensemble Forecasting*Yong Wang*
11:50. Experiences with multi-model ensemble forecasting at INM*Jose Antonio Garcia-Moya*
12:10. Plans for a Grand Limited Area Model Ensemble (GLAMEPS)*Nils Gustafsson*
12:30. General discussion

13:10-14:30 *Lunch*

- 14:30. HIRLAM physics in ARPEGE/ALADIN*Bent Hansen Sass*
14:50. Discussion on next steps for “interface” and AAA/HIRLAM convergence
15:30. Common validation and verification working group: outcome and follow-up of the Oslo workshop*Sander Tijm*
15:50. General discussion

16:30 – 16:50 *Coffee/tea break*

- 16:50. Reporting from HMG-CSSI*Jeanette Onvlee*
17:10. Outcome of “Vision on future of NWP in Europe” scoping meeting and follow-up*Andras Horanyi*
17:20. General discussion on common ALADIN/HIRLAM topics.

Cocktail

Thursday 18 May:

- 09:00-10:30 Common post-processing and tools *Chair: Jeanette Onvlee; Animator: Sander Tijm.*
(in parallel: surface modelling session in ALADIN workshop, with contribution by Stefan Gollvik)

10:30-11:00 *Coffee break*

- 11:00-13:00 Known problems with the model *Chair: Xiaohua Yang; Animator: Bent Hansen Sass*

13:00-14:00 *Lunch*

- 14:00-15:30 Operational cooperation *Chair: Jeanette Onvlee; Animator: Xiaohua Yang*
15:30 General Matters and wrap up.*Jeanette Onvlee*
15:40 Any views and proposals for the organization.*Staff*
15:55 Any Other Matters.
16:00. Close of Meeting.

Poster presentations:

Kai Sattler : *Short-range ensemble experiments for wind prediction with DMI-HIRLAM*

Anastasia Senkova : *Parametrization of the orographic influence on the surface radiation fluxes in HIRLAM*

Astrid Manders, Wim Verkleij, Jos Diepeveen, Toon Moene : *Investigation of a case of rapid cyclogenesis using a potential vorticity modification method*

Rein Rõõm and Arne Männik : *On the numerical stability of SISL schemes*

Carlos Geijo and Bartolome Orfila : *Verification of HIRLAM surface SW irradiance predictions using pyranometer data and satellite retrievals*

Bjarne Amstrup : *EUCOS Observing System Experiments: recent results from DMI*

ASM Participants 2006

DMI:

Bent Hansen Sass
Bjarne Rosenkilde Jorgensen
Kai Sattler
Xiaohua Yang

FMI:

Kalle Eerola
Markku Kangas
Sami Niemelä
Laura Rontu
Priit Tisler
Christoph Zingerle

INM:

José Antonio García-Moya
Carlos Geijo
Isabel Martínez

KNMI:

Frans Alkemade
Jan Barkmeijer
Toon Moene
Jeanette Onvlee
Pier Siebesma
Sander Tijm
Wim Verkleij

Met Éireann:

Tido Semmler

Met.no:

John Bjørnar Bremnes
Trond Iversen
Morten Køltzow
Ole Vignes
Vibeke Wauters Thyness

SMHI:

Ulf Andrae
Per Dahlgren
Stefan Gollvik
Nils Gustafsson
Karl-Ivar Ivarsson
Magnus Lindskog
Lars Meuller
Per Undén
Tomas Wilhelmsson

RSHU:

Evgeni Atlaskin
Anastasia Senkova

Estonia:

Arne Männik
Rein Rõõm