

14th ALADIN Workshop

Innsbruck, 1 - 4 June 2004

PROGRAM

Tuesday 1 June 2004

08.30 am Registration

Opening session

09.30 am Dr. Fritz Neuwirth (*The Director of ZAMG*)
Welcome and opening of the workshop

09.40 am Practical informations

Session A: ALADIN-2 *(Chair: Thomas Haiden)*

09.45 am Dominique Giard
ALADIN-2 organization and work plan

10.05 am Gwenaëlle Hello
ALARO10 - Current status

10.25 am Yann Seity
First results with AROME prototype (2.5km)

10.45 am Valéry Masson
Externalized surface schemes in AROME

11.05 am Coffee break

Session B: Data Assimilation *(Chair: Klaus Stadlbacher)*

11.35 am Alex Deckmyn
Wavelet representation of background error covariance

11.55 pm Roger Randriamampianina
Advances in the use of observations in the ALADIN/HU 3d-var system

12.25 pm Steluta Alexandru
Further case studies using the 3d-var scheme for the ALADIN/HU model

12.45 pm Lunch break

**Session C: National status reports (posters)
and operational implementations**

(Chair: Jure Jerman)

- 02.30 pm Alexander Kann ALADIN-AUSTRIA
Alex Deckmyn ALADIN in Belgium
Andrey Bogatchev ALADIN in Bulgaria
Martina Tudor ALADIN in Croatia
Martin Janoušek ALADIN/CE
Sándor Kertész ALADIN/HU
Siham Sbihi ALADIN in Morocco
Neva Pristov ALADIN/SI
Oldrich Španiel ALADIN/SK
- 02.45 pm Oldrich Španiel
New HPC system at SHMI
- 03.05 pm Andrey Bogatchev
Experiments with running ALADIN on LINUX PC, using different
FORTRAN compilers
- 03.25 pm Coffee break**

Session D: Dynamics

(Chair: Martin Janoušek)

- 03.50 pm Filip Váňa
LACE research activities in dynamics and coupling
- 04.00 pm Filip Váňa
Semi-Lagrangian horizontal diffusion scheme
- 04.20 pm Piet Termonia
Stability and accuracy of the physics-dynamics interface
- 04.40 pm Martina Tudor
Physics-dynamics interface

subsequently parallel working groups on:

- AROME-ALARO-PROTOTYPES** *(Chair: Gwenaëlle Hello)*
followed by
PHYSICS-DYNAMICS INTERFACE *(Chair: Piet Termonia)*
- and**
DATA ASSIMILATION *(Chair: Gergely Bölöni)*

Wednesday 2 June 2004

Session E: Physics

(Chair: Doina Banciu)

- 08.30 am Jean-François Geleyn, Neva Pristov and Gwenaëlle Hello
Update on the proposal for a new concept of radiative computations for NWP
- 09.05 am Thomas Haiden
On the choice of a suitable cloudiness parameterization
- 09.25 am Harald Seidl
Representation of low cloudiness in ALADIN (poster introduction)
- 09.30 am Bart Catry
Testing the new ACDRAG-scheme in the ALPIA environment
- 09.50 am Bent Hansen Sass
Parameterization of the surface stress direction
- 10.10 am Coffee break**

continuation of session E: Physics

(Chair: Martin Belluš)

- 10.35 am Luc Gerard
An integrated approach of microphysics and convection at high resolution
- 11.10 am Franz Wimmer
The effect of a non-envelope topography on deep convection
- 11.30 am Jean-François Geleyn
The general problem of moist processes in ALADIN-2
- 11.50 am Doina Banciu and Eric Bazile
Moist physics response to the modification of temperature and humidity initial profile
- 12.10 pm Yves Bouteloup
Developments in large scale physics

subsequently LUNCH + FREE AFTERNOON OR ACTIVITIES

Thursday 3 June 2004

Session F: Ensemble prediction

(Chair: Yong Wang)

- 08.30 am Martin Ehrendorfer (**invited presentation**)
Mesoscale atmospheric predictability
- 09.10 am Jean Nicolau
Short range ensemble forecasting at Meteo-France
- 09.30 am Sander Tijm
Short range ensemble forecasting in HIRLAM
- 09.50 am Edit Hagel and Gabriella Szepszo
First LAMEPS experiments at HMS
- 10.10 am Coffee break**

Session G: Downscaling

(Chair: Alexander Kann)

- 10.40 am Stjepan Ivatek-Sahdan
MAP Re-Analysis with IFS/ARPEGE/ALADIN
- 11.00 am Yong Wang
How well are mesoscale features captured by the MAP-Reanalysis?
- 11.20 am Bodo Ahrens
Dynamical downscaling with ALADIN
- 11.40 am Jure Cedilnik
Use of ALADIN for dynamical downscaling of precipitation
- 12:00 am Gergely Boloni
Dynamical downscaling of ERA40 at HMS
- 12.10 pm Lunch break**

Session H: Organizational matters + General discussion

(Chair: Patricia Pottier)

02.00 pm Ryad El Khatib
Recent and upcoming code evolutions

02.20 pm Jean Maziejewski
Newsletter and related publication on the web

subsequently General discussion (ALATNET-2, new MoU, HIRLAM-cooperation,...)

with introductory words by:

Jean-François Geleyn, Dominique Giard, Dijana Klarić and Bent Hansen Sass

04.00 pm Coffee break

Session I: Applications, verification and case studies

(Chair: Harald Seidl)

04.30 pm Helga Tóth
Subjective evaluation of the different versions of ALADIN/HU

04.50 pm Margarida Belo-Pereira
Verification of ALADIN/Portugal forecasts

subsequently parallel working groups on:

LAM-EPS *(Chair: Sándor Kertész)*

and

PHYSICS *(Chair: Neva Pristov)*

07.30 pm Workshop Dinner

Friday 4 June 2004

continuation of session I: Applications, verification and case studies *(Chair: Dijana Klarić)*

- 08.30 am Georg Pistotnik
The role of surface evaporation in the triggering of mountain convection in ALADIN
- 08.50 am Christoph Wittmann
Evaluation of ALADIN mesoscale precipitation in the southern Alpine Area
- 09.10 am Helga Tóth
Detailed case study of a dramatic winter temperature overestimation of ALADIN/HU
- 09.30 am Martin Belluš
Documentation and monitoring system of operational applications at SHMI
- 09.50 am Miha Razinger
Present status of ALADIN verification project
- 10.10 am Coffee break**

Session J: Final discussions and closing *(Chair: Dominique Giard)*

- 10.40 am Working group conclusions + discussion
- 11.30 am Final discussion
- 12.00 pm Closing of the workshop