

Draft AGENDA (03/04/09)

ALADIN / HIRLAM

19th Workshop / All-Staff Meeting 2009

Centraal Museum, Utrecht, the Netherlands, 12 - 15 May, 2009

Sessions	
Monday	HMG-CSSI : KNMI: 12-18h
Tuesday	Opening : 9h-11h S1 Data assimilation : 11-12h40, 14h30-16h30 Poster session: 17h-18h15 ~18h30: Reception/ice breaker at City Hall
Wednesday	S2: Probabilistic forecasting and LAMEPS 9h-12h30 S3: Model physics: 14h-18h10
Thursday	S4: Dynamics: 9h-10h10 S5: System aspects and verification: 10h50-12h30 HIRLAM separate program: 14h-17h30 (room 1) ALADIN separate program: 14h-18h (room 2) Dinner at restaurant Oude Tolhuis
Friday	Plenary session and closing: 9h30-12h HMG-CSSI wrap-up meeting: 14h-18h, KNMI

Talks (including questions) : normally 20' each (except during opening session and closing session)
general discussions in Sessions : 20'

Monday, 11 May: 12h-18h HMG-CSSI meeting (Royal Netherlands Meteorological Institute)

Tuesday, 12 May (Centraal Museum, 8:00-18:15)

08:00-09:00 Registration

09:00-10:30 Plenary opening session. Chair: Carl Fortelius

Opening of the Meeting

Welcome

Practical arrangements for the meeting

09:10-09:30 Jean-François Geleyn : Overview of ALADIN status and plans

09:30-09:50 Yann Seity : overview of AROME status and plan

09:50-10:10 Jeanette Onvlee : Overview of HIRLAM status and plan

10:10-10:30 Dijana Klaric : Highlights of RC LACE actions 2008/2009

10:30-11:00 Coffee break

11:00 – 12:20 Plenary session: Session 1: Data assimilation and use of observations. Chair: Gergely Boloni

11:00-11:20 : Jean-François Mahfouf : SURFEX and SEKF assimilation tools

11:20-11:40 : Magnus Lindskog : SMHI HARMONIE data assimilation using local observations

11:40-12:00 : Jelena Boranova : An ETKF rescaling scheme to be applied in a hybrid variational ensemble data assimilation for HIRLAM

12:00-12:20 : Eric Wattrelot : 1D+3DVar assimilation method of reflectivities

12:20-12:40 : Thibaut Montmerle : data assimilation in operational AROME (Doppler winds mainly)

12:40-14:30 Lunch

14:30 – 16:30 Plenary session: Session 1 (continued): Data assimilation and use of observations. Chair: Ole Vignes

14:30-14:50 : Roger Randriamampianina : Assimilation of IASI radiances

14:30-15:10 : Gergely Boloni : Recent data assimilation activities at HMS

15:10-15:30 : Kirsti Salonen : Towards the operational use of radar radial wind observations in HIRLAM

15:30-15:50 : Olivier Rivière : Inclusion of moist process in ARPEGE/ALADIN simplified physics

15:50-16:10 : Reima Eresmaa : Impact of GPS data in HIRLAM 3D-VAR

13:10-16:30 : General discussion

16:30-16:40 : Introduction demonstration 3D visualization

16:40-17:00 Coffee break

17:00 – 18:15 : Poster session

18:15 – 20:00 : Walk to City Hall, reception/ice breaker

Wednesday, 13 May (Centraal Museum, 9:00-18:10)

09:00 - 10:20 Plenary session: Session 2: Probabilistic forecasting and LAMEPS. Chair: Alex Deckmyn

09:00-09:20 : Trond Iversen : Configuring GLAMEPS

09:20-09:40 : Yong Wang : Status of ALADIN-LAEF

09:40-10:00 : Inger-Lise Frogner : EuroTEPS

10:00-10:20 : Florian Weilde : Impact of ECMWF-EPS Clustering on Initial Perturbations of ALADIN-LAEF at ZAMG

10:20-10:50 *Coffee break*

10:50 – 12:30 Plenary session: Session 2 (continued): Probabilistic forecasting and LAMEPS. Chair : Trond Iversen

10:50 -11:10 : Roel Stappers : CAPE singular vectors

11:10 -11:30 : Åke Johansson : ETKF rescaling scheme for HIRLAM application to ensemble forecasting

11:30 -11:50 : Lovro Kalin : calibration of ALADIN EPS precipitation forecasts

11:50 -12:10 : Henrik Feddersen and Kai Sattler : Verification of a set of GLAMEPS ensemble experiments

12:10 -12:30 : General discussion

12:30-14:00 *Lunch*

14:00 – 16:00 Plenary session: Session 3: Performance aspects and model physics. Chair: Laura Rontu

14:00-14:20 : Jan Barkmeijer : Experience with a strong outflow case in HARMONIE

14:20-14:40 : Jean-François Mahfouf : Operational SURFEX in ALADIN

14:40-15:00 : Kristian Pagh Nielsen : Verification of Hirlam/Aladin cloud forecasts with MSG cloud physical products

15:00-15:20 : Eric Bazile & Yves Bouteloup : last operational changes and perspectives for physics in ARPEGE/ALADIN

15:20- 15:40 : Wim de Rooy : Lateral mixing in shallow convection: in theory and in practice

15:40-16:00 : Jean-François Geleyn : Towards a common framework for (i) extensions of the Louis formalism, (ii) the RANS aspect of the QNSE theory and (iii) the class of 'No Ri(cr)' Reynolds-type prognostic TKE schemes?

16:00-16:30 *Coffee break*

16:30-18:00 Plenary session: Session 3 (continued): Performance aspects and model physics Chair: Radmila Brozkova

16:30-16:45 : Javier Calvo : Verification of wind gust forecasts

16:45-17:05 : Tomas Kral : Revitalization of gaseous transmission functions in ACRANEb radiation scheme utilizing RRTM database

17:05-17:20 : Bent Hansen Sass : Limitation of column physics and a proposal to solve that in the HIRLAM framework

17:20-17:35 : Laszlo Kullmann : New interpolation formula in stable situation for the calculation of diagnostic fields at measurement height

17:35-17:50 : Evgeni Atlaskin : Validation of 2m temperature forecasts by different NWP models

17:50-18:00 General discussion

14:00-15:00 Side meeting on web sites (Room 3)

18:15-19:30 : side meeting? (HIRLAM CIS?)

Thursday, 14 May (Centraal Museum, 2 rooms, 9:00-18:15)

09:00-10:10 Plenary session : Session 4: Dynamics. Chair: Josef Vivoda

09:00-09:20 : Mariano Hortal (on behalf of Juan Simarro and Isabel Martinez) : NH VFE, map factor

09:20-09:40 : Piet Termonia : Some issues about the lateral boundaries

09:40-10:00 : Filip Vana : New interpolation for SL(HD)

10:00-10:10 : General discussion

10:10-10:40 *Coffee break*

10:40-12:30 Plenary session : Session 5: System aspects and verification. Chair: Mariano Hortal

10:40-11:00 : Ulf Andrae : Nightly builds and daily runs: the HARMONIE testbed

11:00-11:20 : Ryad El Khatib : Profiling ARPEGE/ALADIN/AROME

11:20-11:40 : Toon Moene : Review of HIRLAM work on the SRNWP/Interoperability project

11:40-12:00 : Andras Horanyi : ALADIN-Climate: latest achievements at the Hungarian Meteorological Service (on behalf of Gabriella Csima)

12:00-12:20 : Sami Niemela : Verification of high-resolution precipitation forecasts by using the SAL method

12:20-12:30 : General discussion

12:30-14:00 *Lunch*

14:00-18:00 Room 1: HIRLAM

14:00-16:00 HIRLAM internal presentations : Chair: Sander Tijm

14:00-14:20 Tomas Wilhelmsson : 4D-VAR optimization efficiency tuning

14:20-14:40 Karl-Ivar Ivarsson : The impact of cloud condensation nucleus concentration on clouds and precipitation in Hirlam

14:40-15:00 Mariken Homleid : SST and sea ice in HIRLAM and HARMONIE

15:00- 15:20 Kalle Eerola : A case study: why did two Hirlam versions differ by 20 hPa in the snow storm case in November

15:20-15:40 Morten Køltzow : HIRLAM coupled to the wave model WAM. Verification and improvements in forecast skill

15:40-16:00 Xiaohua Yang : Annual review of operational HIRLAM forecasts

16:00-16:30 *Coffee/Tea*

16:30-17:30 HIRLAM internal presentations (cont.) : Chair: Jeanette Onvlee

16:30-16:50 Xiaohua Yang : HIRLAM common monitoring and model intercomparison interface

16:50-17:10 Tilly Driesenaar : web site redesign

17:10-17:30 General discussion

14:00- 18:00 Room 2 : ALADIN meeting(s)

14:00 - 14:30 ALADIN internal presentations

Jean-Daniel Gril : FA files, Pinuts, status of MERCATOR rotated tilted

Jean Maziejewski & Patricia Pottier : Support team & new aladin website

14:30 - 16:00 LTM meeting

16:00-16:30 *Coffee/Tea*

16:30 - 18:00 CSSI meeting

**19:00 Dinner at restaurant Oude Tolhuis (offered by KNMI)
(18:15 departure of bus in front of Centraal Museum)**

Friday 15 May (Centraal Museum, 9:15-12:00)

09:15-10:30 : Plenary closing session. Chair: Claude Fischer

Andras Horanyi : The Short Range Numerical Weather Prediction Network of EUMETNET: a status report

Reporting back on outcome of HMG-CSSI meeting : 20'

Reporting back on outcome of session 1 by chairpersons : 10'

Reporting back on outcome of session 2 by chairpersons : 10'

Reporting back on outcome of session 3 by chairpersons : 10'

10:30-11:00

Coffee

11:00-12:00 : Plenary closing session. Chair: Claude Fischer

Reporting back on outcome of session 4 by chairpersons : 10'

Reporting back on outcome of session 5 by chairpersons : 10'

Reporting back on side meetings : 10'

General discussion : 20'

12:00. Close of Meeting.

Friday 15 May (KNMI) : 14h00-18h HMG-CSSI meeting

Participants:

Dz Algeria	Razagui Abdelhak	1	Dk Denmark DMI	Bjarne Stig Andersen Henrik Feddersen Kristian Pagh Nielsen Bent Hansen Sass Xiaohua Yang	5
At Austria	Yan Xin Wittmann Christoph Weidle Florian Wang Yong	4	Es Estonia EMHI	Aarne Männik	1
Be Belgium	Catry Bart Deckmyn Alex Degrauwe Daan Hamdi Rafiq Smet Geert Termonia Piet	6	Fi Finland FMI	Kalle Eerola Reima Eresmaa Carl Fortelius Sylvain Joffre Sami Niemelä Laura Rontu Kirsti Salonen	7
Bg Bulgaria	Bogatchev Andrey	1	Ic Iceland		
Hr Croatia	Bajic Alica Ivatek-Šahdan Stjepan Kalin Lovro Klaric Dijana	7	Ir Ireland	Alastair McKinstry Tido Semmler Eoin Whelan	3

Cz Czech Republic	Kovacic Tomislav Stanesic Antonio Tudor Martina		No Norway		
	Brozkova Radmila Farda Aleš Kral Tomas Trojakova Alena Vana Filip	5		Trygve Aspelien Jelena Bojarova Inger-Lise Frogner Mariken Homleid Trond Iversen Morten Køltzow Roger Randriamampianina Ole Vignes	8
Fr France	Bazile Eric Berre Loïk Bouteloup Yves Bouttier Francois El Khatib Ryad Fischer Claude Geleyn Jean-François Gril Jean-Daniel Kerdraon Gaëlle Mahfouf Jean-François Maziejewski Jean Montmerle Thibaut Pottier Patricia Rivière Olivier Seity Yann Wattrelot Eric	16	Nl Netherlands	Jan Barkmeijer Cisco de Bruijn Gerrit Burgers Tilly Driesenaar Gertie Geertsema Siebren de Haan Albert Jacobs Michal Koutek Frank Lantsheer Kees Lemcke Toon Moene Ian van der Neut Jeanette Onvlee Heleen ten Pelkwijk Wim de Rooij Hans Roozekrans Roel Stappers Gert-Jan Steeneveld Sander Tijm Sibbo van der Veen	20
Hu Hungary	Boloni Gerlely Kullman Laszlo Vörös Miklos	3	Spain	Javier Calvo Jose-Antonio Garcia-Moya Mariano Hortal	3
Ma Morocco		0	Sweden	Ulf Andrae Lisa Bengtsson Nils Gustafsson Karl-Ivar Ivarsson Åke Johansson Magnus Lindskog Lars Mueller Tomas Wilhelmsson	8
Pl Poland	Jerczynski Marek	1	Lithuania (associated)	Martynas Kazlauskas	1
Pt Portugal	Lopes Manuel Monteiro Maria	2	Latvia (associated)		
Ro Romania	Banciu Doina	1	Russia RSHU	Evgeni Atlaskin Suleyman Mostamandy	2
Sk	Bastak Duran Ivan	5			

Slovakia	Benko Martin Nestiak Michal Spaniel Oldrish Vivoda Jozef			
Si Slovenia	Cedilnik Jure Pristov Neva Strajnar Benedikt	3		
Tu Tunisia	Nmiri Abdelwhaheb	1		
Tr Turkey	Küçükkaraca Ersin Toros Hüseyin	2		
SRNWP	Andras Horanyi	1		
Total		59		58

Posters

- Bajić, S. Ivatek-Šahdan and K. Horvath: Dynamical downscaling of wind resources in complex terrain of Croatia
- Doina Banciu: Aladin status in Romania
- Cisco de Bruijn : Application of FLake for the prediction of ice thickness for inland waters in the Netherlands
- Bašták Ďurán : From 'p-TKE' to 'e-TKE': suppressing restrictive conditions, validating the extension of the ALARO-0 approach and exploring links with other methods
- Aleš Farda : ALADIN-Climate/CZ at CHMI
- Carl Fortelius : Stability-dependent roughness in calculating 10m wind speed
- Stjepan Ivatek-Sahdan : Operational Aladin in Croatian meteorological and hydrological service
- Ersin Küçükkaraca : National Poster Turkey
- Maria Monterio & Manuel Lopes : ALADIN - technical and scientific modelling activities in Portugal
- Michal Nestiak : ALADIN related activities at SHMI
- Neva Pristov : Operational ALADIN in Slovenia
- Roger Randriamampianina : Improvements on the assimilation of satellite data in the HARMONIE system
- Antonio Stanesic : Application of ALADIN 3DVAR and CANARI in Croatia
- Jozef Vivoda : Progress in development of vertical finite element discretisation of ALADIN NH dynamical core
- Eoin Whelan : NWP at MetEireann
- Christoph Wittmann : National poster Austria

Presentations changed into posters !

- Loïk Berre : Applications of the MF operational ensemble var assimilation to ARPEGE/ALADIN
- Jose-Antonio Garcia-Moya : Verification of SREPS precipitation forecast over Europe
- Alena Trojakova : BlendVar – an assimilation system at ALADIN/CE
- Sibbo van der Veen : Cloud advection and the relation between vertical motions and cloud cover in the free atmosphere
- Miklos Vöros : Use of ECMWF LBC and surface assimilation for operational ALADIN/HU
- Xin Yan : First results of ALADIN data assimilation at ZAMG