

AGENDA (final version)

ALADIN / HIRLAM

21th Workshop / All-Staff Meeting 2011

Norrköping Konferens Centre, Norrköping, Sweden, 5-8 April, 2011

Sessions	
Monday 4 <i>~22p</i>	HMG-CSSI :10h-18h
Tuesday 5 <i>Main room</i> <i>~100p</i>	Opening : 1h10 S1 Data assimilation (including discussion): 5h Poster session1: 1h Working group Session 1 (dynamics): 1h Reception/ice breaker
Wednesday 6 <i>Main room</i> <i>~100p</i>	S2: Probabilistic forecasting and LAMEPS (including discussion) : 3h S3: Model physics (including discussion) : 3h30
Thursday 7 <i>Main room</i> <i>~100p</i> ± <i>2nd room ~50p</i> <i>: afternoon</i>	S4: Dynamics: 1h50 S5: System aspects and verification: 2h ALADIN separate program: 2h15 HIRLAM separate program: 2h Poster session 2: 1h30 Working group Session 2 (system aspects): 1h30 Social event and Dinner
Friday 8 <i>Main room</i> <i>~100p</i>	Plenary session and closing: 3h
Friday 8 <i>~22p</i>	HMG-CSSI wrap-up meeting: 13h15-17h15

Talks (including questions) : normally 20' each (except during opening and closing sessions).

Monday, 4 April: 10h-18h HMG-CSSI meeting

Tuesday, 5 April (8:30-18:30)

08:30-09:00 Registration

09:00-10:10 Plenary opening session. Chair: Magnus Lindskog

Opening of the Meeting

Welcome

Practical arrangements for the meeting

09:10-09:30 Piet Termonia: Overview of ALADIN status and plans

09:30-09:50 Jeanette Onvlee : Highlights of HIRLAM activities

09:50-10:10 Andras Horanyi : C-SRNWP and the Forecasting Capability Area of EUMETNET

10:10-10:40 Coffee break

10:40 – 12:00 Plenary session 1: Data assimilation and use of observations. Chair: Gergely Boloni

10:40-11:00 : Ludovic Auger : Recent research on data assimilation at Météo-France

11:00-11:20 : Magnus Lindskog: 4d-var Harmonie developments

11:20-11:40 : Gergely Boloni : Comparison of the ensemble transform and the ensemble analysis techniques for background error simulation

11:40-12:00 : Jelena Bojarova: Hybrid ETKF variational data assimilation sensitivity study

12:00-14:00 Lunch

14:00 – 15:20 Plenary session 1 (continued): Data assimilation and use of observations. Chair: Claude Fischer

14:00-14:20 : Martin Ridal: Harmonie radar assimilation activities and plans

14:20-14:40 : Jean-François Mahfouf : Ongoing developments on radar data assimilation in AROME

14:40-15:00 : Sigurdur Thorsteinsson : Experiments with 3-hourly RUC cycling of Harmonie

15:00-15:20 : Mariken Homleid : Harmonie surface data assimilation

15:20-15:50 Coffee break

15:50 - 17:30 Plenary session 1 (continued): Data assimilation and use of observations. Chair: Per Unden

15:50 – 16:10 : Cornel Soci : Inter-comparison of high-resolution surface reanalyses over France within EURO4M project

16:10 – 16:30 : Tomas Landelius: Correcting phase error a using optical flow and image warping

16:30 – 16:50 : Carlos Geijo: Data assimilation by field alignment: testing the theory

16:50 – 17:10 : Alex Deckmyn and Nils Gustafsson : Bologna DA/EPS workshop outcome

17:10 – 17:30 : General discussion

17:30 – 18:30 : Poster session 1

17:30 - 18:30 : Room 1: Working group : dynamics (chairs : Pierre Bénard and Mariano Hortal)

18:30 – 20:00 : Reception/ice breaker

Wednesday, 6 April (8:40-18:10)

08:40-10:20 Plenary session 2: Probabilistic forecasting and LAMEPS. Chair: Henrik Feddersen

08:40-09:00 : Trond Iversen; status of GLAMEPS and plans for HIRLAM-B

09:00-09:20 : Yong Wang : Status of research and development on ALADIN-LAEF

09:20-09:40 : Inger-Lise Frogner: The quality of EuroTEPS vs TEPS after the latest cycle updates

09:40-10:00 : Florian Weidle : What are the added-values of LAMEPS ?

10:00-10:30

Coffee break

10:30–11:50 Plenary session 2 (continued): Probabilistic forecasting and LAMEPS. Chair: Yong Wang

10:30-10:50 : Åke Johansson: Impact of a hybrid ensemble – variational data assimilation system on the performance of an ETKF-based EPS system

10:50 -11:10 : Geert Smet : Economic value of GLAMEPS-LAEF over Belgium

11:10 -11:30 : Henrik Feddersen: Predicting intense precipitation using upscaled high-resolution ensemble forecasts

11:30 - 11:50 : Jørn Kristiansen: High-resolution ensemble prediction of a polar low

11:50 – 12:15 : General discussion

12:15-14:00

Lunch

14:00–15:40 Plenary session 3: Performance aspects and model physics. Chair: Carl Fortelius

14:00-14:20 : François Bouyssel : Recent evolutions in ARPEGE and ALADIN-Fr models

14:20-14:40 : Yann Seity : AROME evolution

14:40-15:00 : Lisa Bengtsson: An approach to deep convection organization using cellular automata

15:00-15:20 : Kristian Pagh Nielsen: Testing cloud parametrizations in NWP models against satellite data

15:20-15:40 : Radmila Brozkova : On the role of entrainment at grey zone scales

15:40-16:10

Coffee break

16:10-18:00 Plenary session 3 (continued): Performance aspects and model physics Chair: Neva Pristov

16:10-16:30 : Eric Bazile : MUSC : the 1D model for the HAAA Galaxy ?

16:30-16:50 : Patrick Samuelsson: Implementation of multi-energy balance into SURFEX

16:50-17:10 : Carl Fortelius: Intercomparison from town radiative fluxes in the SURFEX TEB and observations from a moving platform in the streets of Helsinki

17:10-17:30 : Dagrun Vikharam Schuler: Snow modelling using the SURFEX-Crocus snow scheme

17:30-18:00 : General discussion

Thursday, 7 April (2 rooms, 8:30-18:00)

08:30-10:00 Plenary session 4: Dynamics. Chair: Jozef Vivoda

08:30-09:00 : Filip Vana : Recent changes in Alaro dynamics

09:00-09:20 : Mariano Hortal: HIRLAM developments in dynamics

09:20-09:40 : Balasz Szintai : Determination of the optimal lateral boundary conditions for AROME: verification results using radar (SAL) and synop measurements

09:40-10:00 : Jana Sanchez and Javier Calvo: Sensitivity of Harmonie to nesting strategy and initial conditions

10:00-10:20 : Steven Caluwaerts: Spectral periodic fields: splines vs. Boyd's proposal

10:20-10:50

Coffee break

10:50-12:30 Plenary session 5: System aspects and verification. Chair: Ulf Andrae

10:50-11:10 : Ryad El Khatib : 'scalability of AROME'

10:10 -11:30 : Xiaohua Yang : Cy36h1.3 testing

11:30 -11:50 : Ryad El Khatib : 'Bator : a strong scalability problem ?'

11:50 -12:10 : Deborah Salmond: Arpege/IFS in the OOPS framework (invited ECMWF)

12:10-12:30 : Claude Fischer : LAM models in the OOPS framework ?

12:30-14:00

Lunch

14:00- 16:00 Room 1 : ALADIN meeting(s)

14:00 – 15:00 LTM meeting

15:00 – 16:00 CSSI meeting

14:20-15:40 Room 2: HIRLAM meeting

14:20-15:40 HIRLAM internal presentations: Chair: Jeanette Onvlee

14:20-14:40 Laura Rontu: From orsula to HIRLAM7.4

14:40-15:00 Kristian Pagh Nielsen : Computationally efficient tilted independent column calculations of surface radiation

15:00- 15:20 Karl-Ivar Ivarsson : Last updates of the Liu-Penner parametrization of cloud ice condensate in Hirlam

15:20-15:40 Ulf Andrae : Annual review of operational HIRLAM forecasts and status of the Reference System

16:00-16:30 Coffee/Tea

16:30-18:00 Room 1: Working group : system aspects (chairs : Ulf Andrae and Ryad El Khatib)

16:30-18:00 Poster session 2 (or attendance to another group meeting)

19:00 Dinner

Friday 8 April (9:00-12:00)

09:00-10:30 : Plenary closing session. Chair: Jean-Francois Mahfouf

09:00-09:20 : Patrick Samuelsson : HARMONIE for regional climate applications

09:20-09:30 : Summary of data assimilation discussion by chairperson : 10'

09:30-09:40 : Summary of probabilistic and LAMEPS discussion by chairperson : 10'

09:40-09:50 : Summary of physics discussion by chairperson : 10'

09:50-10:20 Coffee

10:20-12:00 : Plenary closing session. Chair: Laura Rontu

10:20-10:40 : Reporting back on outcome of WG on system aspects by chairpersons : 20'

10:40-11:00 : Reporting back on outcome of WG on dynamics by chairpersons : 20'

11:00-11:20 : Reporting back on outcome of HMG-CSSI meeting : 20'

11:20-11:50 : General discussion : 30'

11:50 Close of Meeting.

13h15-17h15 HMG-CSSI meeting

Posters

Trygve Aspelien, Ole Vignes, Mariken Homleid, Magnus Lindskog, Ulf Andrae	met.no-SMHI experiences with ALARO
M. Balogh, Horanyi A., Mile M., Gyongyosi A.Z., Weidinger T. Tasnadi P.	Development of a uniform model post-processing system of the ALADIN CHAPEAU model for education and comparison studies
Jan Barkmeijer	KNMI national poster
Patrik Benáček	BlendVar experiments at CHMI
Vanja Blazica	Quantification of divergence in a mesoscale model
Andrey Bogatchev	Status of operational application in Bulgaria
Javier Calvo	Two case studies of heavy precipitation and strong winds in a subtropical environment. Validation of the Harmonie model
Alex Deckmyn	Belgium national poster
Alex Deckmyn	comparison of IC and LBC schemes
Maria Diez	Status of surface assimilation in Harmonie
Karam Essaouini	Morocco National Poster
Emily Gleeson	Radiation parametrization in Harmonie
Jean-Daniel Gril	Météo-France national poster
Martin Gronsleth	Assimilation of radar observations in Harmonie/Norway
Rafiq Hamdi	Regional climate of summer maximum surface air temperature over Belgium through high-resolution dynamical downscaling
Marek Jerczyński	Weighted median filters in fields comparison tasks
Marek Jerczyński	Aladin in Poland – recent operational and reserch activities
Markku Kangas	On-line boundary layer verification of weather models
Tomislav Kovacic	NWP activities in Croatia
Ersin Küçükcaraca	Turkish National Poster
Andres Luhamaa	Estonia national poster
Maria Monteiro	ALADIN – Portuguese Technical and Scientific Activities
Mirela Pietrisi	Romanian National poster
Neva Pristov	Operational ALADIN in Slovenia
Roger Randriamampianina	NWP at the Hungarian Meteorological Service
Benedik Strajnar	Recent progress of data assimilation in Slovenia
Alena Trojakova	ALADIN@CHMI- recent evolution of the operational version
Joris Van den Bergh	Improving the cloud geometry in APLMPHYS
Jozef Vivoda	ALADIN related activities at SHMI
Eoin Whelan	Operational NWP in MetEireann
Ben Wichers Schreur and Sander Tijm	The application of high resolution weather forecasts in climate proofing
Christoph Wittmann	NWP activities in Austria

Participants

Dz Algeria			Dk Denmark	Henrik Feddersen Kristian Pagh Nielsen Xiaohua Yang	3
At Austria	Yong Wang Florian Weidle Christoph Wittmann (LTM)	3	Es Estonia	Andres Luhamaa	1
Be Belgium	Alex Deckmyn (LTM) Daan Degrauwe Steven Caluwaerts Rafiq Hamdi Geert Smet Piet Termonia (PM) Joris Van den Bergh	7	Fi Finland	Kalle Eerola Carl Fortelius Sylvain Joffre Markku Kangas Sami Niemelä Laura Rontu	6
Bg Bulgaria	Andrey Bogatchev (sub LTM) Boryana Tsenova	2	Ic Iceland	Sigurdur Thorsteinsson	1
Hr Croatia	Alica Bajic (LTM) Lovro Kalin Dijana Klaric (LACE) Tomislav Kovacic Antonio Stanesic	5	Ir Ireland	Emily Gleeson Eoin Whelan	2
Cz Czech Republic	Patrik Benáček Radmila Brozkova (LTM) Alena Trojakova (CSSI) Filip Vana (CSSI)	4	Nl Netherlands	Jan Barkmeijer Jeanette Onvlee Ben Wichers Schreur	3
Fr France	Ludovic Auger Eric Bazile Pierre Bénard (CSSI) François Bouyssel Ryad El Khatib (CSSI) Claude Fischer (CSSI chairperson) Jean-Daniel Gril Jean-François Mahfouf (CSSI) Jean Maziejewski (ST) Patricia Pottier (ST) Yann Seity Cornel Soci	12	No Norway	Trygve Aspelien Jelena Bojarova Inger-Lise Frogner Mariken Homleid Trond Iversen Jørn Kristiansen Ole Vignes Dagrun Vikhamar Schuler	8
Hu Hungary	Gergely Boloni Roger Randriamampianina (LTM) Balazs Szintai	3	Spain	Javier Calvo Maria Diez Carlos Geijo Mariano Hortal Jana Sanchez	5
Ma Morocco	Karam Essaouini (sub LTM) Siham Sbi	2	Sweden	Ulf Andrae Lisa Bengtsson Lars Berggren Per Dahlgren Nils Gustafsson Gunther Haase Karl-Ivar Ivarsson Åke Johansson Marco Kupiainen	16

				Tomas Landelius Magnus Lindskog David Lindstedt Lars Mueller Martin Ridal Patrick Samuelsson Per Unden	
Pl Poland	Marek Jerczyński (LTM)	1	Lithuania		
Pt Portugal	Maria Monteiro (LTM)	1	Russia	Ekatherina Kurzeneva Suleyman Mostamandy	2
Ro Romania	Mirela Pietrisi (sub LTM)	1			
Sk Slovakia	Michal Nestiak Jozef Vivoda (sub LTM)	2			
Si Slovenia	Vanja Blazica Neva Pristov (LTM) Benedik Strajnar	3			
Tu Tunisia					
Tr Turkey	Ersin Küçükcaraca (LTM)	1			
Total		47			47
SRNWP : Andras Horanyi					
ECMWF : Deborah Salmond					