

AGENDA (16/04/10)

ALADIN / HIRLAM

20th Workshop / All-Staff Meeting 2010

Novotel Krakow Centrum hotel, Krakow, Poland, 13 - 16 April, 2010

Sessions	
Monday <u>Batory room</u>	HMG-CSSI :10h-18h (<u>Batory room</u>)
Tuesday <u>Wawel room</u>	Opening : 8h30-10h10 (<u>Hotel's hall</u>) S1 Data assimilation : 10h40-12h00, 13h40-15h20 (<u>Wawel room</u>) Poster session: 15h50-18h15 Working group session 1: 15h50-17h20 (<u>Wawel room</u>) ~18h30 : Reception/ice breaker (<u>Hotel's Restaurant</u>)
Wednesday <u>Wawel room</u>	S2: Probabilistic forecasting and LAMEPS 9h-11h50 (<u>Wawel room</u>) S3: Model physics: 14h-18h (<u>Wawel room</u>)
Thursday <u>Wawel room</u> <u>Batory room</u>	S4: Dynamics: 8h45-09h45 (<u>Wawel room</u>) S5: System aspects and verification: 10h10-11h50 (<u>Wawel room</u>) ALADIN separate program: 13h10-15h30 (<u>Wawel room</u>) HIRLAM separate program: 13h20-15h20 (<u>Batory room</u>) Working group Session 2: 15h45-17h15 (<u>Wawel room</u>) Working group Session 5: 15h45-17h15(<u>Batory room</u>) Guided Tour and Dinner: 17h30-22h
Friday <u>Wawel room</u> <u>Batory room</u>	Plenary session and closing: 9h30-12h (<u>Wawel room</u>) HMG-CSSI wrap-up meeting: 14h-18h, (<u>Batory room</u>)

Talks (including questions) : normally 20' each (except during opening session and closing session).
Working group discussions following sessions 1,2,5. Plenary discussions after session 3 (30') and 4 (20')

Monday, 12 April: 10h-18h HMG-CSSI meeting (*Novotel, Batory Room*)

Tuesday, 13 April : 8:30-18:15 (*Wawel room*)

08:30-09:00 Registration (*Hotel's Main Hall*)

09:00-10:10 Plenary opening session : Chair: Piet Termonia

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 Jeanette Onvlee : Highlights of HIRLAM activities

09:50-10:10 Andras Horanyi : C-SRNWP progress report

10:10-10:40 Coffee break

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

10:40-11:00 : Nils Gustafsson : Progress in development of HARMONIE 3D-Var and 4D-Var

11:00-11:20 : Alex Deckmyn : Wavelet description of Background Error Covariances in ALADIN 3d-Var

11:20-11:40 : Per Dahlgren : A large scale error constraint in data assimilation

11:40-12:00 : Maria Monteiro : A diagnostic study of time variations of regionally-averaged background error covariances

12:00-13:40 Lunch

13:40 – 15:20 Plenary session 1 (continued): Data assimilation and use of observations. Chair: Carl Fortelius

13:40-14:00 : Nils Gustafsson : OSEs with HIRLAM and HARMONIE for EUCOS

14:00-14:20 : Jean-François Mahfouf : Status of the soil analysis within SURFEX

14:20-14:40 : Martin Grønsleth : Use of radar observations in Harmonie: status and plans

14:40-15:00 : Sander Tijm on behalf of Siebren de Haan : Assimilation of ModeS aircraft observations

15:00-15:20 : Stefan Schneider : ASCAT soil moisture data assimilation with SURFEX

15:20-15:50 Coffee break

15:50-17:20 Working group Session 1. (co-chairs : Nils Gustafsson and Jean-François Mahfouf)

15:50–18:20 : Poster session

18:30–20:00 : Reception/ice breaker (*Hotel's Restaurant*)

Wednesday, 14 April : 9:00-18:10 (*Wawel room*)

09:00-10:20 Plenary session 2: Probabilistic forecasting and LAMEPS. Chair: Jan Barkmeijer

09:00-09:20 : Yong Wang : LAEF development

09:20-09:40 : Trond Iversen : The prospects of GLAMEPS

09:40-10:00 : Kai Sattler : The status of the GLAMEPS SMS script system
10:00-10:20 : Mile Mate : Status and Developments of ALADIN LAMEPS system at HMS

10:20-10:50 *Coffee break*

10:50-11:50 Plenary session 2 (continued): Probabilistic forecasting and LAMEPS. Chair: Marek Jerczynski

10:50 -11:10 : Inger-Lise Frogner : New developments in EuroTEPS
11:10 -11:30 : Roel Stappers : Properties of CAPE SV's
11:30 -11:50 : Alex Deckmyn : the CANARI suite for ALADIN

11:50-14:00 *Lunch*

14:00-16:00 Plenary session 3: Performance aspects and model physics. Chair: Neva Pristov

14:00-14:20 : Eric Bazile : ARPEGE physics
14:20-14:40 : Yann Seity : AROME-France
14:40-15:00 : Sander Tijm : Highlights of HIRLAM physics developments
15:00-15:20 : Lisa Bengtsson : Impact of linear horizontal diffusion and non-linear Semi-Lagrangian horizontal diffusion (SLHD) on resolved convection in AROME
15:20-15:40 : Ulf Andrae and Esbjörn Olsson : Prediction of atmospheric icing with AROME
15:40-16:00 : Laura Rontu : Winter-time HIRLAM experiences

16:00-16:30 *Coffee break*

16:30-18:00 Plenary session 3 (continued): Performance aspects and model physics Chair: Laura Rontu

16:30-16:50 : Ekaterina Kurzeneva : Global database for the parametrization of lakes in NWP and climate modelling
16:50-17:10 : Ghislain Faure : Forecasting tropical cyclones with Aladin: sensitivity to the physics and the SST
17:10-17:30 : Jose-Antonio Garcia-Moya : First tests of QPF verification using the Sal measure at AEMET
17:30-18:00 : Discussion

Thursday, 15 April :9:00-18:15 (*Wawel and Batory rooms*)

08:45-09:45 Plenary session 4: Dynamics. Chair: Ole Vignes (*Wawel room*)

08:45-09:05 : Mariano Hortal : (title not yet known)
09:05-09:25 : Piet Termonia : LBCs and initialization: status and plans
09:25-09:45 : General discussion

09:45-11:10 *Coffee break*

10:10-11:50 Plenary session 5: System aspects and verification. Chair: Daan Degrauwe (*Wawel room*)

10:10-10:30 : Claude Fischer : OOPS
10:30-10:50 : Ulf Andrae : status of HARMONIE system
10:50-11:10 : Ryad El Khatib : recent activities in system aspects in MF
11:10-11:30 : Sami Saarinen : AROME migration and optimization at FMI
11:30-11:50 : Marek Jerczynski : Robust meteorological data analysis with CWM filters

12:50-13:10 *Lunch*

13:10-15:30 Room 1 : ALADIN meeting(s) (*Wawel room*)

13:10-14:00 : ALADIN internal presentations
Daan Degrauwe : Convergence actions on the physics-dynamics interface

Gaëlle Kerdraon : Aladin outre-mer
Support team presentation

14:00–15:30 : LTM and CSSI joint meetings

15:30-15:45 *Coffee/Tea*

13:20-15:20 Room 2: HIRLAM meeting (*Batory room*)

13:20-15:20 HIRLAM internal presentations : Chair: Sami Niemela

13:20-13:40 Kirsti Salonen : Application of radar wind observations for wind atlas validation

13:40-14:00 Carl Fortelius : ABL structures and processes at Sodankylä

14:00-14:20 Karl-Ivar Ivarsson : Tests with Liu-Penner ice microphysics in HIRLAM

14:20-14:40 Kalle Eerola : real-time forecast charts from different operational HIRLAMs : concepts and examples

14:40-15:00 Xiaohua Yang : Annual review of operational HIRLAM forecasts and status of the Reference System

15:00-15:20 Discussion

15:20-15:45 *Coffee/Tea*

15:45-17:15 *Wawel room*: Working group S2 (co- chairs : Alex Deckmyn and Jan Barkmeijer)

15:45-17:15 *Batory room*: Working group S5 (co-chairs : Xiaohua Yang and Ryad El Khatib)

17:30 -22:00 Guided Tour, Dinner and dessert-concert

Friday 16 April :9:00-12:00 (*Wawel room*)

09:00-10:30 : Plenary closing session. Chair: Claude Fischer

09:00 – 09:20 Tilly Driesenaar, Ben Wichers Schreur, Emiel van der Plas: CHAPEAU status and developments

09:20 – 09:40 Reporting back on outcome of WG session 1 by chairperson : 20'

09:40 – 10:00 Reporting back on outcome of WG session 2 by chairperson : 20'

10:00 – 10:10 Reporting back on outcome of discussion session 3 by chairpersons : 10'

10:10-10:40 *Coffee*

10:40-12:00 : Plenary closing session. Chair: Nils Gustafsson

10:40 – 10:50 Reporting back on outcome of discussion session 4 by chairperson : 10'

10:50 – 11:10 Reporting back on outcome of WG session 5 by chairperson : 20'

11:10 – 11:30 Reporting back on outcome of HMG-CSSI meeting : 20'

11:30 – 12:00 General discussion : 30'

12:00. Close of Meeting.

Friday 16 April : 14h-18h HMG-CSSI meeting (*Batory room*)

(due to airspace closure and problem for participants to go back home, this wrap-up meeting took place together with the general discussion)

Posters

- Alexander Baklanov et al : (various aspects of HIRLAM chemical branch)
- Jan Barkmeijer : (title not yet known)
- Jelena Bojarova, Nils Gustafsson and Ole Vignes : HIRLAM Hybrid variational and ensemble data assimilation
- Jose-Antonio Garcia-Moya : Benchmarking the HARMONIE system
- Jose-Antonio Garcia-Moya : Operational activities at AEMET
- Martin Grønseth : The sensitivity of the harmonie/Norway forecasts to different observation types
- Mariken Homleid, Maria Diez and Trygve Aspelien : Progress in HARMONIE surface assimilation
- Magnus Lindskog, Ulf Andrae, Lisa Bengtsson : The ALARO implementation at SMHI
- Andres Luhamaa : HIRLAM-based NWP at the Estonian Meteorological Hydrological Institute
- Isabel Martinez : The 8-10 January 2009 snowfalls : A case of Mediterranean advection event
- Isabel Martinez : Explosive cyclogenesis of extra-tropical cyclone Klaus and its effects in Spain. A case study of hurricane force gusts
- Isabel Martinez : Towards the operational use of HARMONIE at AEMET
- Adomas Mazeikis : The effect of urban surface to meteorological parameters influencing air pollution dispersion : Vilnius case study
- Kai Sattler : Use of very high resolution physiography data for the Danish road ice forecasting model
- Eoin Whelan : NWP at MetEireann
- Doina Banciu : National poster
- Ivan Bastak : TOUCANS : An attempt at synthesising new findings in turbulence + diffusion over the past 10 years
- Andrey Bogatchev : Status of operational application in Bulgaria
- Gerlely Boloni : NWP at the Hungarian Meteorological Service
- Antonin Bucanek : national poster “[ALADIN@CHMI](#)”
- Alex Deckmyn : Belgium national poster
- Ales Farda : (title not yet known)
- Rafiq Hamdi : Evaluation of the CANOPY scheme with measurements from the CABAUW tower
- Gaëlle Kerdraon and Olivier Riviere : Météo-France National Poster
- Tomislav Kovacic : NWP activities in Meteorological and Hydrological Service of Croatia
- Ersin Küçükcaraca : Aladin in Turkey
- Nuno Lopes : ALADIN - Technical and Scientific Portuguese Activities
- Kalin Lovro : Application of Logistic Regression to Aladin EPS precipitation forecasts
- Florian Meier : Implementation of ALADIN 3D-Var and CANARI data assimilation at ZAMG
- Michal Nestiak : ALADIN related activities at SHMI
- Abdelwaheb Nmiri : (title not yet known)
- Neva Pristov : ALADIN related activities in Slovenia
- Malgorzata Szczęch-Gajewska : ALADIN in Poland – recent operational and research activities
- Piet Termonia, Geert Smet, Joris Van den Bergh : The role of tunings in diffusive physics parameterizations
- Jozef Vivoda : News vertical operators using spline base finite elements
- Yong Wang : NWP activities in Austria
- Jadwiga Woyciechowska : Use of fuzzy methods in verification and comparisons of high resolution forecasts
- Xin Yan : Assimilation of GPS ZTD observations in ALADIN/AUSTRIA

Participants

Dz Algeria	Abdelhak Razagui (not present in Krakow)	1	Dk Denmark	Kai Sattler Xiaohua Yang	2
At Austria	Florian Meier Stefan Schneider Yong Wang Xin Yan	4	Es Estonia	Andres Luhamaa	1
Be Belgium	Alex Deckmyn Daan Degrauwe Rafiq Hamdi Geert Smet Piet Termonia Joris Van den Bergh	6	Fi Finland	Kalle Eerola Carl Fortelius Sami Niemela Laura Rontu Sami Saarinen Kirsti Salonen Niko Sokka	7
Bg Bulgaria	Andrey Bogatchev	1	Ic Iceland		
Hr Croatia	Alica Bajic Lovro Kalin Tomislav Kovacic Antonio Stanesic	4	Ir Ireland	Eoin Whelan	1
Cz Czech Republic	Antonin Bucanek Farda Ales Alena Trojakova Filip Vana	4	Nl Netherlands	Jan Barkmeijer Tilly Driesenaar Jeanette Onvlee Emiel van der Plas Roel Stappers Sander Tijn Ben Wichers Schreur	7
Fr France	Ludovic Auger Eric Bazile Pierre Bénard Loïk Berre Ryad El Khatib Claude Fischer Jean-François Geleyn Jean-Daniel Gril Gaëlle Kerdraon Jean-François Mahfouf Jean Maziejewski Patricia Pottier Olivier Rivière Yann Seity Ghislain Faure	15	No Norway	Trygve Aspelien Ingerlise Frogner Martin Grønsleth Mariken Homleid Trond Iversen Ole Vignes	6
Hu Hungary	Gergely Boloni Laszlo Kullman Mile Mate	3	Spain	Jose-Antonio Garcia-Moya Mariano Hortal Isabel Martinez	3
Ma Morocco	Karam Essaouini	1	Sweden	Ulf Andrae Lisa Bengtsson	6

				Per Dahlgren Nils Gustafsson Karl-Ivar Ivarsson Lars Meuller	
Pl Poland	Adam Dziedziec Marek Jerczynski Iwona Lelatko Marcin Kolonko Katarina Starosta Malgorzata Szczęch-Gajewska Jadwiga Woyciechowska	7	Lithuania	Adomas Mazeikis	1
Pt Portugal	Nuno Lopes Maria Monteiro	2	Latvia		
Ro Romania	Doina Banciu	1	Russia RSHU	Katya Kurzeneva	1
Sk Slovakia	Ivan Bastak Benko Martin Richard Habrovský Michal Nestiak Oldrich Spaniel Jozef Vivoda	6			
Si Slovenia	Jure Jerman Neva Pristov	2			
Tu Tunisia	Abdelwaheb Nmiri (not present in Krakow)	1			
Tr Turkey	Ersin Küçükcaraca	1			
Total		59			34
SRNWP : Andras Horanyi					