

AGENDA

ALADIN / HIRLAM

24th Workshop / All-Staff Meeting 2014

Hotel Marshal Garden, Bucharest, 7-11 April, 2014

Sessions	
Monday 7 <i>Main room</i> <i>~85p</i>	Opening session S1: Physics/Surface modelling 1 st Poster session Working Group 1 (radar) Reception/ice breaker
Tuesday 8 <i>Main room ~85p</i> <i>+ room for LTM</i>	S2: Dynamics S3: System aspects and verification 2 nd Poster session ALADIN LTM meeting
Wednesday 9 <i>Main room ~85p</i>	S4: Data assimilation Dinner
Thursday 10 <i>Main room ~85p</i> <i>+ 2nd room ~20p</i>	S5: Probabilistic forecasting and LAMEPS Closing session Working groups (surface DA, system aspects)
Friday 11 <i>~22p</i>	HMG-CSSI: 9h-18h

Talks (including questions) : normally 20' each (10' for ALADIN & HIRLAM PM opening)
20' for discussions

Monday, 7 April (8:30-18:00)

08:30-09:00 Registration

09:00-09:45 Plenary opening session. Chair: Doina Banciu

Opening of the Meeting

Welcome

Practical arrangements for the meeting

09:10-09:20 Piet Termonia : ALADIN status overview

09:20-09:30 Jeanette Onvlee : Hirlam activities: highlights and challenges

09:30-09:45 Gergely Boloni : Status of the EUMETNET C-SRNWP project

09:45-10:15 Coffee break

10:15-12:00 Plenary session 1: Physics/Surface modelling. Chair: Sami Niemela

10:15-10:35 Neva Pristov : ALARO-1 - an overview of developments

10:35-10:55 Yann Seity : Status and plans of AROME-France 1.3 km (model part)

10:55-11:15 Daan Degrauwe : Physics Organization: Cleaning and Convergence

11:15-11:35 Jun-Ichi Yano : Basic concepts for convection parametrization in weather forecast and climate models: COST Action ES0905

11:35-11:55 Radmila Brozkova : Microphysics in 3MT and Grey Zone Experiment

11:55-13:50 Lunch

13:50-15:10 Plenary session 1 (cont.) : Physics/Surface modelling. Chair: Eric Bazile

13:50-14:10 Yves Bouteloup : Arpege High Resolution Experimental Suite

14:10-14:30 Carl Fortelius : Single-column experiments with the EFB turbulence closure

14:30-14:50 Wim de Rooy : Erroneous sea fog forecasts in HARMONIE: Analysis and experiences with a new turbulence scheme

14:50-15:10 Balázs Szintai : Improving wintertime low cloud forecasts in AROME: sensitivity experiments and microphysics tuning

15:10-15:40 Coffee break

15:40-17:30 Plenary session 1 (cont.) : Physics/Surface modelling. Chair: Sander Tijm

15:40-16:00 Pieter De Meutter : The Belgium Pukkelpop storm: a challenge for simulating deep convection

16:00-16:20 Laura Rontu : Snow perspectives

16:20-16:40 Clemens Wastl: Experiences with AROME in Austria

16:40-17:00 Daniel Martin : Statistical cloud scheme research with HARMONIE

17:00-17:10 Madalina Stoica : Forecast Efficiency in Green Farms production (*presentation on behalf of the social event sponsor*)

17:10-17:30 General discussion

17:30-19:00 Poster session 1

17:30-19:00 WG Radar (Chair : Martin Ridal)

19:00 Reception/ice breaker

Tuesday, 8 April (9:00-18:30)

09:00-10:00 Plenary session 2: Dynamics. Chair: Daan Degrauwe

- 09:00-09:20 Petra Smolikova : Dynamics and coupling in LACE
- 09:20-09:40 Piet Termonia : Could there be a need for a horizontal finite-element discretization?
- 09:40-09:55 Mariano Hortal : Aliasing and upper-level explosions two fixes
- 09:55-10:10 General discussion

10:10-10:40 Coffee break

10:40-12:20 Plenary session 3: System aspects and verification. Chair: Alena Trojakova

- 10:40-11:00 Ulf Andrae : Harmonie system status
- 11:00-11:20 Enda O'Brien : Running HARMONIE on Xeon Phi coprocessors
- 11:20-11:40 Ryad El-Khatib : One year of optimizations on the first scalar supercomputer of Meteo-France
- 11:40-12:00 Claude Fischer : About cycling ... oops
- 12:00-12:20 Eoin Whelan : COPE, an overview

12:20-14:00 Lunch

14:00-15:20 Plenary session 3 (cont.): System aspects and verification. Chair: Carl Fortelius

- 14:00-14:20 Christoph Zingerle : Developments in the HARP verification package
- 14:20-14:40 Xiaohua Yang : HARMONIE Regular Cycle with the Reference
- 14:40-15:00 Sami Niemela : FROST-2014: Performance of Harmonie 1km during Sochi Olympics
- 15:00-15:20 Sander Tilm : Validation and use of HARMONIE at KNMI
- 15:20-15:40 General discussion

15:40-16:10 Coffee break

16:10-18:00 Poster session 2

16:30-18:30 ALADIN LTM meeting

Wednesday 9 April (9:00-17:00)

09:00–10:20 Plenary session 4 : Data assimilation and use of observations. Chair: Gergely Boloni

- 09:00-09:20 Mate Mile : Data Assimilation activities in RC LACE countries
09:20-09:40 Claude Fischer : Preparations of MF's assimilation systems to higher resolution
09:40-10:00 Jelena Bojarova : Problems (and solutions? ...)
10:00-10:20 Sibbo van der Veen : Optimisation of cloud initialisation in Harmonie and verification results

10:20-10:50 Coffee break

10:50–12:10 Plenary session 4 (cont.): Data assimilation and use of observations. Chair: Martin Ridal

- 10:50-11:10 Jean-Francois Mahfouf : Recent usage of observations in Meteo-France data assimilation systems
11:10-11:30 Martin Ridal : Assimilation of OPERA radar data in HARMONIE
11:30-11:50 Teresa Valkonen : Scatterometer winds in rapidly developing storms -- Experiences with the Harmonie data assimilation
11:50-12:10 Benedikt Strajnar : Collection and assimilation of Mode-S MRAR aircraft observations in Slovenia

12:10-13:40 Lunch

13:40–15:00 Plenary session 4 (cont.): Data assimilation and use of observations. Chair: Maria Monteiro

- 13:40-14:00 Trygve Aspelien : SODA and surface assimilation in HARMONIE
14:00-14:20 Rafiq Hamdi : Study of the Jacobian of an EKF for soil analysis in SURFEX
14:20-14:40 Carlos Geijo : Analysis of HARMONIE Forecasts Sensitivity to initial data with simulated radar observations
14:40-15:00 Cornel Soci : Daily precipitation analysis by optimum interpolation using high-resolution background and rain gauge data

15:00-15:30: Coffee break

15:30- 16:50 Plenary session 4: Data assimilation and use of observations. Chair: Roger Randriamampianina

- 15:30-15:50 Roger Randriamampianina : Progress in data assimilation and implementation of an AROME model over Arctic
15:50-16:10 Florian Meier : Recent development of data assimilation in AROME Austria
16:10-16:30 Roger Randriamampianina : HATM (Hirlam Aladin Tools Market): Implemented tools for common use. With contribution from all centres.
16:30-16:50 General discussion

17:00- : Departure for visit and dinner

Thursday 10 April (9:00-13:00)

09:00-11:00 Plenary session 5: Probabilistic forecasting and LAMEPS. Chair: Alex Deckmyn

09:00-09:20 Theresa Schellander-Gorgas : Status of LAM-EPS development in LACE

09:20-09:40 Inger-Lise Frogner : HarmonEPS and GLAMEPSv1 for the Sochi Olympic Games

09:40-10:00 Alex Deckmyn : Introducing GLAMEPS-v2

10:00-10:20 Bartolome Orfila : EPS perspectives at AEMET

10:20-10:40 General Discussion

10:40-11:10 *Coffee break*

11:10-11h40 Plenary closing session. Chairs: Jeanette Onvlee and Piet Termonia

11:40- 13:30 *Lunch*

**13:30-16:00 WG2 on surface data assimilation and SODA development (Chair : Jean-François Mahfouf)
WG3 on system aspects (Chairs : Ulf Andrae & Ryad El Khatib & Maria Derkova)**

Friday 11 April (9:00-18:00) : HMG-CSSI meeting

Posters

Alica Bajic	NWP activities in the Meteorological and Hydrological Service of Croatia
Jan Barkmeijer, Magnus Lindskog, Cisco de Bruijn, Emiel v.d. Plas and Siebren de Haan	Optimal use of Mode-S EHS in Harmonie at KNMI: current status and plans
Gergely Boloni	NWP at the Hungarian Meteorological Service
Andrey Bogatchev	Status of operational application in Bulgaria
Radmila Brozkova	Validation of ACRANE2 Radiation Scheme
Antonin Bucanek	Sigma_b maps in Aladin
Alex Deckmyn	Belgium national poster
Maria Derkova	Aladin related activities @ SHMU
Emily Gleeson	Radiation in Harmonie
Hassan Haddouch	Moroccan National Poster
Rafiq Hamdi	Coupling SURFEX_V7.2 to ALARO within cycle CY38T1
Rafiq Hamdi	Regional climate modeling activities at the RMI
Mariken Homleid & Dagrún Vikhamar	Surface modelling - nordic challenges
Marek Jerczynski	National poster
Ersin Kucukkaraca	NWP related activities in Turkey
Aarne Männik	Numerical weather prediction environment in Estonian Environmental Agency
Florian Meier	NWP related activities in Austria
Maria Monteiro	ALADIN - Portuguese technical and scientific activities
Maria Monteiro	A sensitivity test to the SST variation in the Mainland version of AROME/Portugal
Mirela Pietrisi	Romanian National Poster
Patricia Pottier	The NWP systems at Meteo-France
Neva Pristov	ALADIN in Slovenia
Roger Randriamampianina	Operational NWP systems at MET Norway
Velle Toll	Modelling the direct radiative effect of wildfire smoke on a severe thunderstorm event with the HARMONIE model
Alena Trojakova	The NWP activities at CHMI
Wim Verkley	The role of the cycling frequency in 3D-Var in assimilating radar data in HARMONIE
Eoin Whelan/Emily Gleeson	NWP in MetEireann
Christoph Wittman	National poster Austria

Participants

Dz Algeria	Abdelhak Razagui (LTM)	1	Dk Denmark	Mats Dahlbom Xiaohua Yang (HMG)	2
At Austria	Florian Meier (dep. LTM) Theresa Schellander-Gorgas Yong Wang (LACE) Clemens Wastl Christoph Zingerle (CSSI)	5	Es Estonia	Aarne Männik Velle Toll	2
Be Belgium	Pieter De Meutter Alex Deckmyn (LTM, CSSI) Daan Degrauwe (CSSI) Rafiq Hamdi Piet Termonia (PM)	5	Fi Finland	Carl Fortelius Ekatherina Kurzeneva Sami Niemelä Laura Rontu (HMG)	4
Bg Bulgaria	Andrey Bogatchev (LTM)	1	Ic Iceland		
Hr Croatia	Alica Bajic (LTM) Dijana Klaric Tomislav Kovacic Antonio Stanesic	4	Ir Ireland	Emily Gleeson Enda O'Brien Eoin Whelan	3
Cz Czech Republic	Radmila Brozkova (LTM) Antonín Bucanek Petra Smolikova Alena Trojakova (CSSI)	4	Li Lithuania		
Fr France	Eric Bazile Yves Bouteloup Ryad El Khatib (CSSI) Claude Fischer (LTM, CSSI) Jean-Francois Mahfouf (CSSI) Patricia Pottier (ST) Yann Seity Cornel Soci Jun-Ichi Yano	9	Nl Netherlands	Tilly Driesenaar (HMG) Jeanette Onvlee (PM) Wim de Rooy Sander Tijm Sibbo van der Veen	5
Hu Hungary	Gergely Boloni (LTM) Mate Mile Balázs Szintai	3	No Norway	Trygve Aspelien Jelena Bojarova (HMG) Inger-Lise Frogner (HMG) Mariken Homleid Roger Randriamampianina Andrew Singleton Teresa Valkonen Dagrun Vikhamar-Schuler	8
Ma Morocco	Hassan Haddouch (LTM)	1	Es Spain	Carlos Geijo Mariano Hortal (HMG) Daniel Martin-Perez Bartolome Orfila Juan Pablo Simarro Grande	5
Pl Poland	Marek Jerczynski (LTM)	1	Se Sweden	Ulf Andrae (HMG) Martin Ridal Sébastien Villaume	3
Pt Portugal	Maria Monteiro (LTM)	1			

Ro Romania	Doina Banciu (LTM) Alexandra Craciun Otilia Diaconu Mihaela-Silvana Neacsu Mirela Pietrisi Simona Tascu	6			
Sk Slovakia	Maria Derkova (CSSI) Michal Nestiak Oldrich Španiel Jozef Vivoda (LTM)	4			
Si Slovenia	Neva Pristov (LTM) Benedikt Strajnar	2			
Tu Tunisia	Zied Sassy (LTM)	1			
Tr Turkey	Ersin Küçükcaraca (LTM)	1			
Total		49			32
ECMWF : ??					