## AGENDA

**ALADIN / HIRLAM**  
**Joint 25th Workshop**  
**All-Staff Meeting 2015**

Conference Center, Elsinore, 13-16 April, 2015  
DMI, Copenhagen, 17 April 2015

<table>
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<th>Sessions</th>
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| **Monday 13**  
*Main room ~85p* |
| Opening session  
S1: Physics/Surface modelling  
Reception/ice breaker |
| **Tuesday 14**  
*Main room ~85p + 2nd room ~20p* |
| S2: System aspects and verification  
S3: Data assimilation  
1st Poster session // WG clouds/testbed // WG system |
| **Wednesday 15**  
*Main room ~85p + room for LTM* |
| S4: Probabilistic forecasting and LAMEPS  
2nd Poster session // ALADIN LTM meeting  
Dinner |
| **Thursday 16**  
*Main room ~85p* |
| S5: Dynamics  
Closing session |
| **Friday 17 ~22p** |
| HMG-CSSI: 9h-18h at DMI premises |

**Talks (including questions) : normally 20' each (10' for ALADIN & HIRLAM PM opening)**  
**20' for discussions**
Monday, 13 April (8:30-19:00)

08:30-09:00  Registration

09:00-10:10  Plenary opening session. *Chair: Bent Hansen Sass:*
09:00-09:10  Opening of the Meeting & Welcome speech
             Practical arrangements for the meeting
09:10-09:20  Piet Termonia : ALADIN status overview
09:20-09:30  Jeanette Onvlee : Hirlam highlights and challenges
09:30-09:50  Balazs Sintai : Status of the EUMETNET C-SRNWP project
09:50-10:10  Erland Kallen : Research developments at ECMWF of relevance to HARMONIE

10:10-10:40  Coffee break

10:40-12:00  Plenary session 1: *Physics. Chair: Lisa Bengtsson*
10:40-11:00  Neva Pristov, Jan Masek: ALARO status overview with emphasis on
             ACRANEB2 radiation scheme
11:00-11:20  Radmila Brozkova : ALARO-1: first operational implementation
11:20-11:40  Ivan Bastak : Operational version of turbulence scheme TOUCANS
11:40-12:00  Luc Gérard : Deep convection and downdraught in Alaro-1

12:00-13:00  Lunch

13:00-15:00  Plenary session 1 (cont.): *Physics. Chair: Sander Tijm*
13:00-13:20  Christoph Wittmann : Parameterization of orographic effects on surface radiation
             in AROME
13:20-13:40  Yann Seity : Progress and plans in the ARPEGE and AROME models physics
13:40-14:00  Emily Gleeson : Radiation in HARMONIE
14:00-14:20  Karl-Ivar Ivarsson : Description of the OCND2-option in the ICE3 cloud- and
             stratiform condensation scheme in AROME
14:20-14:40  David Lancz : Modification of EDKF parametrization in the grey zone
14:40-15:00  Eric Bazile : GABLS4 an intercomparison case to study the PBL at DomeC

15:00-15:30  Coffee break

15:30-17:10  Plenary session 1 (cont.): *Physics. Chair: Eric Bazile*
15:30-15:50  Wim de Rooij : KNMI parameterization testbed as a validation tool; status and
             plans
15:50-16:10  Bent Hansen Sass : Aerosols in Harmonie applicable to NWP and climate: A
             discussion of current ideas
16:10-16:30  Patrick Samuelsson : Investigation of the sensibility of snow and energy-flux
             conditions to surface and vegetation parameters for a forest site using the Multi-
             Energy Balance option in SURFEX
16:30-16:50  Patrick Samuelsson : Harmonie-climate
16:50-17:10  General discussion

17:10-17:40  Ryad El Khatib : On the funny side with Jean-François

17:40-19:00  Ice breaker (reception)

19:00 : Dinner
Tuesday, 14 April (8:40-18:45)

08:40-10:45  Plenary session 2: System aspects and verification.  *Chair: Maria Derkova*

08:40-09:00  Sander Tjim: HARMONIE version 36/38 experiences/verification 2014/2015
09:00-09:20  Ulf Andrae: Harmonie system status
09:20-09:40  Claude Fischer: OOPS
09:40-10:00  Køltzow Morten MetCoOp - One year with operational experiences
10:00-10:20  Enda O'Brien: The benefits and costs of coarse-grained multithreading as implemented in Harmonie
10:20-10:40  Ryad El Khatib: Can the compiler make the difference?
10:40-10:45  Short discussion => WG announcement

10:45-11:15  Coffee break

11:15-12:35  Plenary session 3: Data Assimilation.  *Chair: Maria Monteiro*

11:15-11:35  Jean-François Mahfouf: Progress and plans with observations in MF DA suites
11:35-11:55  Jelena Borajova: Uncertainty about uncertainty
11:55-12:15  Claude Fischer: Progress and plans in Arpege 4D-Var and Arome 3D-Var methods
12:15-12:35  Mate Mile: RUC, HRW, Mode-S, OPLACE, etc - LACE's DA systems

12:35-13:35  Lunch

14:15-16:15  WG clouds/testbed

14:15-16:15  WG System

14:15-16:15  Poster session 1

16:15-16:45  Coffee break

16:45-18:45  Plenary session 3 (cont.): Data Assimilation.  *Chair: Jan Barkmeijer*

16:45-17:05  Jan Barkmeijer: experiences with Harmonie 4DVAR
17:05-17:25  Carlos Geijo: Implementation of the Field Alignment Algorithm for Radar DA in HARMONIE v38. First tests in a quasiooperational setting
17:25-17:45  Florian Meier: Towards AROME rapid update cycle: Usage of satellite and radar data in Austria
17:45-18:05  Martin Ridal: Assimilation of OPERA radar data in HARMONIE: A new preprocessing and data reduction
18:05-18:25  Jana Sanchez: Variational bias correction of GNSS ZTD in the HARMONIE modeling system
18:25-18:45  General discussion

19:00: Dinner
Wednesday 15 April (9:00-18:00)

09:00–10:20  **Plenary session 4 : Probabilistic forecasting and LAMEPS. Chair: Inger-Lise Frogner**
09:00-09:20  Martin Bellus : LAM-EPS activities in LACE
09:20-09:40  Lisa Bengtsson: Evaluation of stochastic cellular automata deep convection parameterization in HarmonEPS
09:40-10:00  Jose-Antonio Garcia-Moya : Implementation of SLAF in HarmonEPS
10:00-10:20  Pau Escriba Ayerbe : Some results of LETKF with HARMONIE over Spain

10:20-10:50  **Coffee break**

10:50–12:30  **Plenary session 4 (cont.): Probabilistic forecasting and LAMEPS. Chair: Jose-Antonio Garcia-Moya**
10:50-11:10  Sibbo van der Veen : Developments in Glameps and HarmonEPS
11:10-11:30  Henrik Feddersen : Should we use ECMWF-EPS initial and boundary condition perturbations for HarmonEPS ?
11:30-11:50  Cornel Soci : Uncertainties estimation in background and surface analysis under UERRA project
11:50:12:10  Tarik Kriat : Neighbourhood processing of AROME ensemble prediction
12:10-12:30  Andrew Singleton : Neighbourhood methods for precipitation forecasts from high resolution EPS

12:30-13:30  **Lunch**

13:30–15:10  **Plenary session 4 (cont.): Probabilistic forecasting and LAMEPS. Chair: Yong Wang**
13:30-13:50  Thomas Nipen : Calibrated probabilistic forecasts from GLAMEPS
13:50-14:10  Xiaohua Yang Xiaohua : GLAMEPS: where do the added values come from?
14:10-14:30  Åke Johansson : Towards the coalescence of DA and EPS : Creating equally likely IC/members
14:30-14:50  Clemens Wastl : Application of EPS in Civil Protection: PROFORCE
14:50-15:10  General discussion

15:10-15:40:  **Coffee break**

15:40-17:40  ALADIN LTM meeting

15:40-17:40  Poster session 2

18:40 : Bus transport from conference centre to restaurant “Toldkammeret” in Helsinor where the official dinner takes place. – Bus goes back at ~ 22 evening
Thursday 16 April (9:00-12:30)

09:00-11:00  Plenary session 5: Dynamics.  Chair: Radmila Brozkova

09:00-09:20  Alavo Subias : Finite Element Operators in the Vertical
09:20-09:40  Petra Smolikova : LACE - news in dynamics
09:40-10:00  Mariano Hortal : Status of dynamics in HARMONIE
10:00-10:20  Ludovic Auger : Ongoing R&D activities in dynamics at Meteo-France
10:20-10:40  Daan Degrauwe : Is there a need for local horizontal discretizations?
10:40-11:00  General discussion

11:00-11:30  Coffee break

11:30-12:30  Plenary closing session. Chairs: Jeanette Onvlee and Piet Termonia

12:30- 14:00  Lunch

-> move to Copenhagen hotels for those attending the HMG/CSSI meeting on Friday

Friday 17 April (9:00-18:00) : HMG-CSSI meeting at the DMI premises
Posters :

- Alica Bajic: NWP activities in Croatia
- Javier Calvo: Cloud verification
- Javier Calvo: Operational NWP in AEMET
- Lisa Bengtsson: From mixed phase stratocumulus to shallow convection: current developments and evaluation against ground-based remote sensors
- Lesley De Cruz: Assimilation of GNSS and radar data in ALARO cy38t1 at RMIB
- Maria Derkova: ALADIN-related activities@SHMU
- Carlos Geijo: A new Solver for the NH Semi-implicit Scheme in HARMONIE using Green Functions
- Emily Gleeson et al.: Radiation in HARMONIE
- Alper Guser: NWP Related Activities in Turkey
- Hassan Haddouch & Noureddine Semane: Moroccan National poster
- Rafiq Hamdi: Belgium National poster
- Rafiq Hamdi: Coupling SURFEX_V7.2 to ALARO-1 baseline version (CY38T1OP3)
- Mario Hrastinski: The impact of increased horizontal resolution of ALADIN NWP model on reproduction of wind regimes in the complex terrain
- Marek Jerczynski: National poster Poland
- Alexander Mahura, Roman Nuterman, Iratxe Gonzalez-Aparicio, Alexander Baklanov, Bent Sass: Enviro-HIRLAM downscaling from regional to urban scales: meteorology and chemistry patterns
- Jose-Antonio Garcia-Moya: WRF in g-SREPS: First Results of the implementation
- Jose-Antonio Garcia-Moya: g-SREPS: The new AEMET Mesoscale Ensemble Prediction System
- Ekaterina Kurzeneva: Status of lake and sea ice developments in HARMONIE
- Maria Monteiro: ALADIN - Portuguese Technical and Scientific Activities
- Roman Nuterman, Ulrik Korsholm, Kristian Nielsen, Bent Sass, Alexander Baklanov, Eigil Kaas: Improvement of Enviro-HIRLAM weather forecasting through inclusion of cloud-aerosol interactions
- Iris Odak Plenkovic: Wind speed ensemble predictions with analog-based method in complex terrain
- Kristian Pagh Nielsen: Solar resource forecasting and variability, an update on IEA SHC Task 46
- Mirela Pietrisi: Aladin activities in Romania
- Patricia Pottier: The NWP systems at Meteo-France
- Zied Sassi: NWP activities in Tunisia
- Kau Sattler: GLAMEPS real-time production system
- Benedikt Strajnar: ALADIN in Slovenia - 2015
- Balazs Szintai: NWP at the Hungarian Meteorological Service
- Alena Trojanova: The NWP activities at CHMI
- Boryana Tsenova: NWP activities in Bulgaria
- Christoph Wittmann: National Poster Austria
- Shiyu Zhuang: The Harmonie radar data assimilation experiments in DMI
## Participants

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<th>ALADIN participants</th>
<th>HIRLAM participants</th>
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<tr>
<td>Dz Algeria</td>
<td>Mohamed Benamara (LTM)</td>
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<td>At Austria</td>
<td>Florian Meier Yong Wang (LACE PM) Clemens Wastl Christoph Wittmann (LTM) Christoph Zingerle (CSSI)</td>
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<td>Be Belgium</td>
<td>Lesley De Cruz Daan Degrauwe (CSSI) Luc Gérard Rafiq Hamdi (dep. LTM) Piet Termonia (ALADIN PM)</td>
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<td>Alica Bajic (LTM) Kristian Horvath Mario Hrastinski Dijana Klaric Tomislav Kovacic Iris Odak Plenkovic Antonio Stanesic Martina Tudor (CSSI)</td>
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<td>Cz Czech Republic</td>
<td>Ivan Bastak Radmila Brozkova (LTM) Petra Smolíkova</td>
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<td>Ludovic Auger Eric Bazile Ryad El Khatib (CSSI) Claude Fischer (LTM, CSSI) Tarik Kriat Jean-Francois Mahfouf (CSSI) Jean Maziejewski (ST) Patricia Pottier (ST) Yann Seity Cornél Socci</td>
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<td>David Lancz</td>
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<td>Mate Mile (dep. LTM)</td>
<td>Norway</td>
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<td>Balázs Szintai (LTM), not Wed.</td>
<td>Bjørg Jenny Engdahl</td>
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<td>Inger-Lise Frogner (HMG)</td>
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<td>Thomas Nipen</td>
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<td>Andrew Singleton</td>
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| Ma Morocco                   |                             |
| Hassan Haddouch (LTM)        | Es                          |
| Noureddine Semane            | Spain                       |
|                             | Javier Calvo               |
|                             | Pau Escriba Ayerbe         |
|                             | Carlos Geijo               |
|                             | Mariano Hortal (HMG)       |
|                             | Jose-Antonio Garcia-Moya  |
|                             | Jana Sanchez-Arriola      |
|                             | Alvaro Subias              |

| Pl Poland                    |                             |
| Marek Jerczynski (LTM)       | Se                          |
|                             | Sweden                      |
|                             | Ulf Andrae (HMG)            |
|                             | Lisa Bengtsson              |
|                             | Karl-Ivar Ivarsson         |
|                             | Ake Johansson              |
|                             | Martin Ridal               |
|                             | Patrick Samuelsson         |

| Pt Portugal                  |                             |
| Maria Monteiro (LTM)         |                             |
|                             |                             |

| Ro Romania                   |                             |
| Mirela Pietrisi (Dep. LTM)   |                             |
|                             |                             |

| Sk Slovakia                  |                             |
| Martin Bellus               |                             |
| Maria Derkova (ACNA)        |                             |
| Michal Nestiak             |                             |
| Oldrich Spaniel            |                             |
| Jozef Vivoda (LTM)         |                             |
|                             |                             |

| Si Slovenia                  |                             |
| Neva Pristov (LTM)          |                             |
| Benedikt Strajnar           |                             |
|                             |                             |

| Tu Tunisia                   |                             |
| Zied Sassy (LTM)             |                             |
|                             |                             |

| Tr Turkey                    |                             |
| Alper Guser (LTM)            |                             |
|                             |                             |

| Invited participant         |                             |
| Erland Kallen (ECMWF)       |                             |
|                             |                             |

Total : 90