

AGENDA

2nd ALADIN Forecasters meeting

21-23 October 2015

Lisbon, Portugal

Sessions	
Wednesday, morning 21 October	Scientific presentations
Wednesday, afternoon 21 October	Forecast experience in the countries
Thursday, morning 22 October	Forecast experience in the countries
Thursday, afternoon 22 October	Forecast experiences / discussion / exercises
Friday, morning 23 October	Discussion

Content:

- during the last year meeting it was concluded that: *“Forecasters need guidance to interpret high-resolution model output. This was a recurring problem during the discussions and emphasized by several forecasters. This related to the intrinsic stochastic nature of clouds and microphysics processes. It was also concluded that the human eye is not capable of interpreting a weather map in a probabilistic sense; i.e. it is not possible to interpret spatial variation in forecast patterns as probabilities over a wider area.”* So the development of convection-permitting EPS systems will be crucial. The scientific presentations will focus on convection-permitting EPS.
- Special presentation: *“Interactive lakes in NWP”. Lake's – natural or artificial (like the reservoirs and dams) - representation and parametrization on operational NWP models contribute to a better simulation of the models' surface physical conditions. However, due to the fact that there is no real-time dissemination of the Lake's observations, the impact of lakes parametrization in NWP can not be operationally monitored by a direct way. This can only be done through a priori validation studies (like fields campaigns) or post-mortem studies. Forecasters may have a view on the impact of misrepresenting lakes in regional NWP and we see this as an opportunity to open discussion on the topic inside the ALADIN community. The Alqueva Lake in Portugal is the biggest artificial lake in Europe and Évora University, which is active in this water reservoir modeling, has recently organized the event "Lake 2015 workshop" (<http://www.lake15.cge.uevora.pt/>). Therefore the local organization has invited Rui Salgado from Évora University to provide a debriefing of this SRNWP event.*

Guidance for the Forecaster's experience presentations.

The format is informal, so feel free to make your presentation as you wish. Here are a few proposals that you could consider to help steering the discussions:

1. Select a number of cases out of your practice using an ALADIN system model (ALADIN, AROME, ALARO) good ones, bad ones and present them.
2. Illustrate how you use EPS. This could be ECMWF output, but if you have a mesoscale EPS (LEAF, GLAMEPS, or a convection-permitting EPS) that would be more interesting. Show how EPS could help you, or alternatively indicate difficulties interpreting probabilistic outputs.
3. Any other issues/messages/comments that you want to provide to the model developers.

We foresee 25 minutes per presentation, but leave at least 5 min time for discussion.

Wednesday 21 October

9:00-12:00 From science to operations

09:00-09:05	Miguel MIRANDA: Pedro VITERBO	Welcome to IPMA
09:05-09:30	Piet TERMONIA:	The ALADIN consortium and its model configurations
09:30-10:00	Florian WEIDLE:	Status of the LAEF system
10:00-10:30	Joris VAN DEN BERGH:	Status of GLAMEPS
10:30-10:50	<i>coffee break</i>	
10:50-11:20	Laure RAYNAUD:	Status of Météo-France convection-permitting EPS
11:20-11:50	Geert SMET:	Toward convection-permitting EPS
11:50-12:00	Piet TERMONIA:	Discussion and planning of the meeting

During the lunch break participants will have the opportunity to visit IPMA's forecasting center.

14:00-18:00 Forecast experiences

14:00-14:25	Christoph ZINGERLE (AT):	Use of high resolution NWP products in operational forecasting at ZAMG
14:25-14:50	Thomas VANHAMEL (BE):	General feedback from a forecasters point of view (Belgium)
14:50-15:15	Lidija FUSTAR (HR): Tomislav KOZARIC	ALADIN forecast experience in Croatia
15:15-15:40	Iveta KODÁDKOVÁ (CZ):	ALADIN case studies in Czech Republic: wind gusts and summer temperatures
15:40-16:00	<i>coffee break</i>	
16:00-16:25	Kornél KOLLÁTH (HU):	Thunderstorm forecast chain based on different types of NWP products - an everyday example
16:25-16:50	Rafal KIELAR (PL):	Use of ALADIN numerical products in Polish Meteorological Service
16:50-18:00	<i>First day discussions</i>	

Tuesday 22 October

9:00-12:00 Forecast experiences

- 09:00-09:30 Rui SALGADO
(Special presentation) Interactive lakes in NWP
- 09:30-09:55 Maria João FRADA (PT): 14 July 2013: An event over Portugal. Operational analyses.
- 09:55-10:20 Miroslav SINGER (SK): Cold wave in Slovakia in October 2015 using ECMWF ENS and ALADIN LAEF
- 10:20-10:50 *coffee break (with the group photo)*
- 10:50-11:15 Janko MERŠE (SI): Forecast experience in Slovenia
- 11:15-11:40 Khaoula MELKI (TN): ALADIN experience with convective situations
- 11:40-12:00 *Second day discussions*

14:00-18:00 WG: Convection permitting EPS lab (G. Smet, C. Zingerle)

The proposal of this session is to have look with a forecasters experience to some specifically prepared output of one of the propotypes convection-permitting EPSes and to document it.

20:00-22:00 Dinner

Friday 23 October

9:00-12:00 Discussion and wrap up (P. Termonia, C. Zingerle)

Participants:

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