



LACE

nwp central europe

LACE decisions 2009

28th RC LACE Council meeting

10 decisions!

(or even more: reports 2009, plans 2010, budget)

3 type of actions

- **Internal decisions and RC&LACE**
- **LACE 4 HARMONIE decisions**
- **ALADIN(7) 4 ALADIN analyses**

Projects (2008-2010)



Projects are bringing the top R&D achievements toward operative use

4 Areas for R&D → 4 Projects_

- ✓ Operational **3D Var system** for LACE (HMS)
Common observation pre-processing (HMS)
- ✓ Implementation of **ALADIN NH** dynamics (CHMI)
- ✓ Operational **ALARO phy at 5km** mesh size (CHMI)
- Common **LAM EPS - ALADIN-LAEF** (ZAMG)
processed at ECMWF,
products at LACE WEB page, raw data at MARS DB



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Internal decisions and RC&LACE

- **New RC LACE President Dr LASLO BOZO**
- **further development of OPLACE at HMS**
 - *observation pre-processing for DA**
 - plan how to start the collection of national observations**
- **ALADIN/CZ to SRNWP-V**
 - as LACE representative for 2009, 2010**
- **RC&LACE – REGIONAL CLIMATE MODELING LACE**
 - to enlarge LACE community with Climate modelling group**
 - (interview, plans for RC Project=> external funds)**



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LACE decisions 2009

LACE 4 HARMONIE actions

- ▶ to update ALADIN Verification DB , to ask for contributors for tool development
- ▶ to support the organization of HARMONIE WS & training on maintenance
- ▶ to ask for contributors for LAEF 4 GLAMEPS
- ▶ **to support** CSSI with LACE Area Leaders_

ALADIN(7) toward the next ALADIN MoU

*List of topics for further
improvements by LACE PM*

“Questions to ask ourselves”

ALADIN Strengths

- *Proven modelling expertise*
- *Original scientific contribution at all fields*
- *NWP solutions for diff scales 20km, 5km, 2km*
- *Code design according international standards (IFS)*
- *Centralized code maintenance*
- *ALADIN-HIRLAM partnership*
- *Strong links with ECMWF*
- *Budget for NWP actions*

Weaknesses

- *(duplication.....)*
- *Complicate structure slow down a response to needs*
- *Historic “defaults” and “un-transparent” actions dominate the life of project*
- *No common view on “sharing of resources”*
- *No sharpness in objectives and priorities*
- *Code optimization is not always priority*
- *Lack of project measures (by quality, by deliverables)*



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ALADIN

4

ALADIN

ALADIN Structure

- ***better focus or build new mechanism?***
- ***to improve or to give real power?***
- ***have we used all opportunities coming from LACE and HIRLAM structure?***

ALADIN Priorities

- ***are we ready to invest into model improvements***
- ***how deep we are going toward LAM EPS and ALADIN/Climate?***



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ALADIN

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ALADIN

ALADIN future

- ***Questions for scientists and local NWP teams***
- ***Questions for managers and directors***

LACE Proposal:

- ***to focus scientist to define scientific framework***
- ***to enlarge the next MoU reduction group with LACE PM and LSC chairperson***