



RC LACE Project

Ambitions &

Actions &

Questions

Where do LACE stands with respect to AAA?

- *Ambitions toward high-res. NWP (+, -,?)*
- *Actions in period 2003/2004 (plans/exec/plans)*
- *Questions to ask or answer*

Ambitions toward high-res NWP

- “ continuously improve the quality of NWP products ”
- “ to guarantee the quality of outputs superior to the coupling model *ARPEGE* ”
- “ to perform R&D with specific interest on continental mountain region ”
- “ high priority to NWP-oriented training ”

How to achieve?

- *continuation to previous R&D*
- *monitoring of NWP actions*
- *continuous adjustment of plans and actions*
- *networking with:*
 - *MF*
 - *ALADIN Partners*
 - *SRNWP*

Possible slow down of ambitions

- *Small NWP groups*
- *Maintenance of many configurations*
- *Pressure from end-users for the improvements of operational app.*
- *Too many hot topics (R&D)*
 - *newcomers for topics*
 - *efficient training, exchange of results*
- *Hard to introduce the test-bed for the recent development*
 - *(e.g. NH, ODB, non-class measurements)*

Milestones in 2003

- *Decentralized operational ALADIN app.*
- *Scientific Plan for 2003*
- *Decentralized R&D*
- *ALADIN/ALADIN2 /AROME initiatives*
- *13th ALADIN WS*
- *2nd RC LSC meeting*
 - *Report 2003, SP2004*
 - *Aladin2 Strategic Document*
 - *Coordination with ALADIN2/AROME for 2004*

R&D actions

year 2003/2004

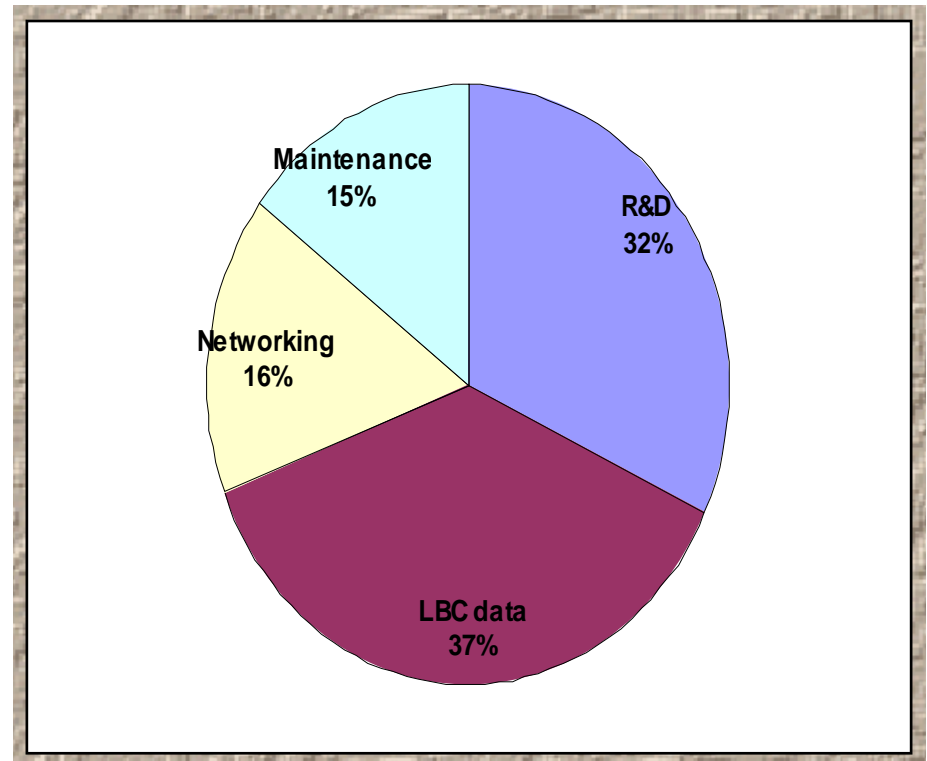
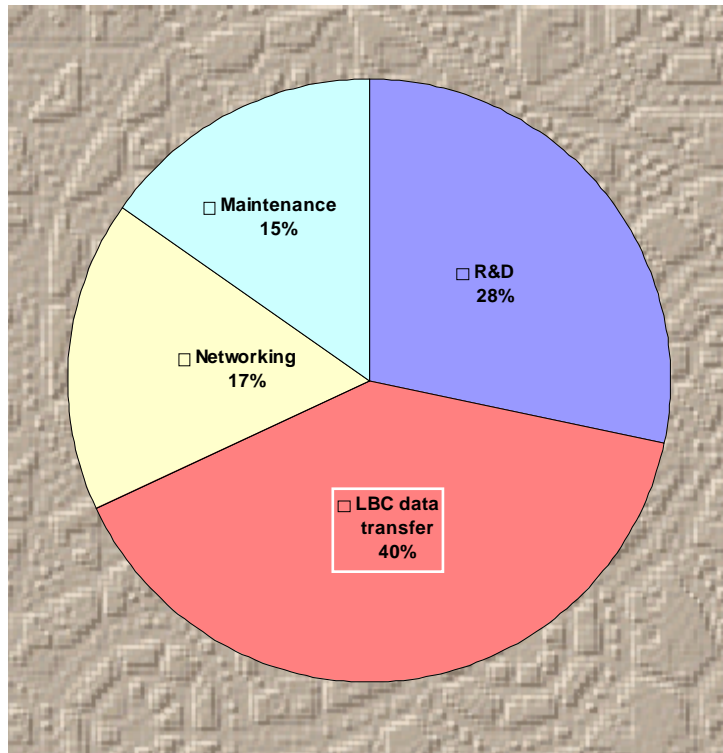
- *First results with the new structure*
- *3 Working Groups (Dyn, Phy, DA)*
- *home activities \Leftrightarrow R&D visits*
- *training, mini-WS*

Plans 03 | Execution 03 | Plans 04

93.25 pxm | 98.75 pxm | 92. pxm

Budget distribution

2003 => 2004



Networking

- *The new structure brings the benefits to LACE*
 - *stronger MG*
 - *detailed plans, dedicated WGs, budget*
- *Participation of MG at ALADIN/AROME initial meeting (Prague, April 2003)*
- *adjustment of SP03 (new subjects)*
- *proposal of LACE actions (MAP)*

Approval of actions toward ALADIN2 Project

2nd ver. " ALADIN2 Strategic Document "

LSC, December 2003

- Approved scientific content of ASD*
- highlighted the need of ALADIN Community to have the active role in transition of models*
- Asked for the clear stp. from MF regarding co-ordination between AROME and ALADIN2*
- underlined need for the enlargements of NWP teams*

Decision LACE Council (17th session, January 2004)

- *Council accepted the Declaration on ALADIN2 Project.*
- *Council asked Management Group to introduce the ALADIN2 plans in working plans from year 2004.*
- *Council underlined the RC LACE long-term goals:*
 - *i) to keep the track of the model improvements related to the operational ALADIN applications.*
 - *ii) to seek for the optimal solutions and convergence between ALADIN2 and AROME10 research results in the period after year 2008.*

Milestones in 2004

- *Co-ordination of LSP 2004 with AAA*
 - *R&D closely linked with ALADIN2 & AROME*
- *NH ALADIN training (TLS, Spring 04)*
 - *NH validations*
- *14th ALADIN WS (Innsbruck, June 04)*
 - *“ problems in gray zone”*
 - *ALADIN common verification*
- *Meso-Scale Verification WS (June 04)*
- *ALADIN Assembly (Split, October 04)*

ALADIN Assembly

Split , Oct 04



ALADIN/ALADIN/2/AROME Meeting, Prague, 13th February, 2004

*Toward stable **AAA** structure*

- *The clarification of topics and actions*

***AAA** year 2004 SP*

- *Long-term goals*
- *Common goals different approaches!!!*
- *Convergence of Efforts*
- *Dedicated Human-power:*

- *MF* $\uparrow\uparrow \checkmark$

- *LACE* $\Leftrightarrow \uparrow\uparrow$

- *other (partners, HIRLAM?)*

Questions for *AAA* in general

- *How to dedicate \mathcal{HP} , but to optimize efforts*
- *How to introduce the rules in toolbox app.*
- *How to follow IFS coding rules and data-flow*
- *How to introduce the best/affordable features from meso- \mathcal{NH} physics (from original, from prototype)*
- *How to treat the coupling problems in the scope of different AAA projects*

Questions for *AAA* in general

- *How to update the operational versions with ALADIN2 results (phasing)*
- *When the first results from ALADIN2 are expected*
- *Where and how to verify AAA results (internal or external model comparisons)*
- *Where to start?*
 - *Time table of prototype*
 - *Portability ?*
 - *Documentation?*

What LACE could offer to AAA?

- *Increase of Human power (MG +... .)*
- *Budget for R&D stays and training*
- *Help in co-ordination*
- *Environment for test-beds*
- *Verification*
- *and promotion of results...*