

2002-2004 : BUILDING A NEW NETWORKING

July 2002

A. A NEW NETWORKING : WHY and HOW ?

WHY ?

- ALADIN is an old (10 years) and mature project
- It will benefit from less and less external financial support along the next year : research stays for European partners in Toulouse founded by the Ministry of Foreign Affairs (MAE) are likely to be cancelled for 2001, strongly reduced if not cancelled for 2002, and disappear afterwards. The present LACE organisation for operations and research, with a training and research centre in Prague, ends with 2002. The new scientific cooperation model for RC LACE will rely on research group stays at different Member States with strong cooperation, coordination around three main scientific subjects : data assimilation, dynamics and physics. Météo-France fundings are assumed to support only maintenance, and won't increase so much. The ALATNET project will stop at the end of February 2004, and anyway can support only short coordination stays for a few partners.

AS A CONSEQUENCE WE HAVE TO INVENT A NEW RESEARCH NETWORKING !

HOW ?

- increasing responsibilities for each partner
- a higher part of local research (with a concerted distribution of work taking into account the respective topics of interest, scientific experience and computing facilities)
- setup of small (and united) specialized working groups (each with its own coordinator, and meeting regularly in mini-workshops)
- improved communication : intensive e-mail exchanges, writing and reading contributions to Newsletters, reports from working groups, ...
- efficient distance tutorial
- strong coordination (both transversal and thematic)

CONSEQUENCES :

- on training : Basic training (performed locally) and PhD work are not endangered. But alternative solutions are to be designed for advanced training, all the more since the ALATNET seminar organized in May 2002 is the last one. The few research stays in Toulouse should be preserved for advanced training, but this probably won't be enough.
- on maintenance : The corresponding work will increase, and we must think about deported maintenance actions (the first examples - in Budapest and Ljubljana - were successful).

B. COORDINATORS

TRANSVERSAL COORDINATION

- CSSI : Coordinators for Scientific and Strategic Issues
- 6 coordinators designed by the Assembly of Partners :
 - Luc Gérard (*Belgium*)
 - Radmila Brozkova (*Czech Rep.*)
 - Dominique Giard (*France*)
 - Andras Horanyi (*Hungary*)
 - Abdallah Mokssit (*Morocco*)
 - Doina Banciu (*Romania*)
- Duties :
 1. define priorities in the scientific plan
 2. precise cooperation with HIRLAM, UKMO and COSMO
 3. select coordinators, organise more efficient networking
 4. follow the progress of the AROME project
 5. report to the Assembly

THEMATIC COORDINATION

- A list of coordinators proposed by the "CSSI" group :
 - ◆ MAINTENANCE : ??? (*to be designed in the French CNRM/GMAP team*)
 - ◆ OPERATIONS : ??? (*to be designed in the French DP/Previ/COMPAS team*)
 - ◆ APPLICATIONS :
 - Ryad El Khatib** (*France*) for developments in post processing
 - ??? for other topics
 - ◆ VERIFICATION : ???
 - ◆ COUPLING : **Gabor Radnoti** (*Hungary*)
 - ◆ DYNAMICS : **Pierre Bénard** (*France*) and **Radmila Brozkova** (*Czech Rep.*)
 - ◆ PHYSICS
 - Precipitations : **Luc Gérard** (*Belgium*) for convective processes,
Eric Bazile (*France*) for microphysics
 - Turbulent processes, PBL : **Martin Gera** (*Belgium/Slovakia*)
 - Radiation : **Yves Bouteloup** (*France*)
 - Orography : **Jean-François Geleyn** (*France*)
 - Surface : **Eric Bazile** (*France*)
 - Simplified physics : **Cécile Loo** (*France*)
 - Validation / methods : **Jean-Marcel Piriou** (*France*)
 - Validation / experiments : **Jean-François Geleyn** (*France*)
 - ◆ DATA ASSIMILATION
 - Variational methods : **Claude Fischer** (*France*)

Observations : **Elisabeth Gérard** (*France*)
Surface and Diagpack : **François Bouyssel** (*France*)

◆ PREDICTABILITY : **Andras Horanyi** (*Hungary*)

• Duties of coordinators :

- ◆ Keeping in touch with persons working on the topic,
within the ALADIN group of course
but also within EWGLAM / SRNWP networking
- ◆ Keeping informed on progress, especially for ALADIN,
and trying to avoid duplication of work;
- ◆ Sending an annual report to the CSSI group before the Assembly of Partners
- ◆ Organizing or asking for the organization of a mini-workshop whenever required

The coordinators should first check the list of people inside their subject and set up a mailing list for those persons. Each coordinator should write a "kick-off" letter to the members of his team explaining the state of art on the given field and near / longer term objectives and plans. This first e-mail should stimulate the further effective information exchanges.

C. FIRST REALISATION (following the working plan for 2002)

TRAINING

- Basic training at home (pursuing the present effort)
- ALATNET training course "on Numerical Methods and NWP Applications"
Kranjska-Gora, Slovenia, 27 May - 1 June
- "LACE" training course "on Maintenance / Code Architecture"
Budapest, Hungary, 25-29 November
- PhD thesis : continuing

MAINTENANCE

- cycles 25T1 in May, 25T2 in September
- mainly distributed between Toulouse, Budapest and Prague
- some well-identified problems may be solved locally anywhere else : just ask !
- New : maintenance of scripts !
- coordination meetings along the phasing exercises, as usually, and during the Budapest seminar

TEAMS AND MEETINGS

- Operations
 - ◆ every ALADIN team is concerned, work is to be done mainly locally
 - ◆ coordination meeting : *Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
 - ◆ coordinator still to be designed

- Applications
 - ◆ every ALADIN team is concerned, work is to be done mainly locally
 - ◆ coordination meetings :
 - Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
 - Vienna (Au), December 2002 (during the SRNWP workshop)*
 - ◆ coordinator still to be designed
- Verification
 - ◆ every ALADIN team is concerned, work is to be done mainly locally
 - ◆ coordination meetings :
 - Budapest (Hu), 11 March 2002 (for objective verification)*
 - Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
 - ◆ coordinator still to be designed
- Coupling
 - ◆ persons : JM Audoin (Fr), C Moussy (Be), G Radnoti (Hu), R Radu (Ro), P Termonia (Be) + K Stadlabacher (Au) for validation
 - ◆ coordination meetings :
 - Kranjska-Gora (Si), 27-31 May 2002 (during the ALATNET seminar)*
 - Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
 - Ljubljana (Si), November 2002*
- Dynamics
 - ◆ persons : P Bénard (Fr), R Brozkova (Cz), M Janousek (Cz), J Masek (Sk), A Nmiri (Tu), G Skok (Si), C Smith (Uk), P Smolikova (Cz), F Vana (Cz), J Vivoda (Sk), K Yessad (Fr) + I Gospodinov (Bu) for the interface with physics + K Stadlbacher (Au) and A Trojakova (Cz) for validation
 - ◆ coordination meetings :
 - Toulouse (Fr), 15 March 2002 (during phasing)*
 - Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
 - Toulouse (Fr), September 2002 (during phasing)*
 - Vienna (Au), December 2002 (during the SRNWP workshop) ?*
- Predictability
 - ◆ persons : C Fischer (Fr), A Horanyi (Hu), S Kertesz (Hu), J Nicolau (Fr), J Néméghaire (Be)
 - ◆ coordination meeting : *Madrid (Sp), 3-4 October 2002 (during the SRNWP workshop) ?*

Physics : A lot of work and a very strong cooperation are required here ! ➡ divided in subtopics

- Physics / Precipitations (Convection, Microphysics, ...)
- ◆ persons : D Banciu (Ro), E Bazile (Fr), M Bellus (Sk), K Bergaoui (Tu), JF Geleyn (Fr), L Gérard (Be), S Greilberger (Au), T Haiden (Au), A Kann (Au), L Kullman (Hu), T Kovacic (Cr), JM Piriou (Fr), S Sbi (Mo)
- ◆ coordination meetings :
 - Toulouse (Fr), 17, 23, 24 May 2002*

Kranjska-Gora (Si), 27-31 May 2002 (during the ALATNET seminar)

Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)

- Physics / Turbulent processes, Boundary layer
 - ◆ persons : M Gera (Sk), H Seidl (Au), A Simon (Sk), Martina Tudor (Cr) + Toulouse team
 - ◆ coordination meetings :
 - Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
 - Toulouse (Fr), 24-27 June 2002*
- Physics / Radiation
 - ◆ persons : Y Bouteloup (Fr), JF Geleyn (Fr), H Toth (Hu)
 - ◆ coordination meeting : none scheduled
- Physics / Surface
 - ◆ persons : E Bazile (Fr), F Bouyssel (Fr), D Giard (Fr), O Latinne (Be) + visits ?
 - ◆ coordination meeting : *Toulouse (Fr), September 2002*
- Physics / Orography
 - ◆ persons : F Bouyssel (Fr), B Cathry (Be), JF Geleyn (Fr), D Giard (Fr), T Haiden (Au), K Stadlbacher (Au), Y Wang (Au) + D Dvvar (Cr) ?
 - ◆ coordination meeting :
 - Toulouse (Fr), 18-22 March 2002*
- Physics / Simplified Physics
 - ◆ persons : F Bouyssel (Fr), C Loo (Fr), C Soci (Ro)
 - ◆ coordination meeting : *Toulouse (Fr), beginning of 2003*
- Physics / Validation
 - ◆ persons : Romanian and French teams + persons involved in developments
 - ◆ coordination meeting : none scheduled but a "Chart for validation" will be written
- Physics / Interface to dynamics
 - ◆ persons : I Gospodinov (Bu), M. Jerczynski (Pl) + authors of modifications
 - ◆ coordination meeting : none scheduled
- Data Assimilation (upperair) : Methods
 - ◆ persons : R Ajjaji (Mo), S Alexandru (Ro), M Belo Pereira (Pt), L Berre (Fr), G Boloni (Hu), P Caille (Fr), A Deckmyn (Be), C Fischer (Fr), V Guidard (Fr), A Horanyi (Hu), S Kertesz (Hu), W Sadiki (Mo), C Soci (Ro), S Stefanescu (Ro)
 - ◆ coordination meetings :
 - Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
- Data Assimilation (upperair) : Observations
 - ◆ persons : M Benko (Sk), G Boloni (Hu), P Caille (Fr), C Fischer (Fr), L Gaytandjieva (Bu), V Guidard (Fr), M Jurasek (Sk), S Kertesz (Hu), R Randriamampianina (Hu), Z Sahlaoui (Mo), M Szczech (Pl), R Zaaboul (Mo)
 - ◆ coordination meetings :
 - Medulin (Cr), 3-6 June 2002 (during the ALADIN workshop)*
 - next Assembly of Partners (rules for a safe exchange of observations)*

- Data Assimilation : Surface (and Diag-Pack)

- ◆ persons : GP Balsamo (It), F Bouyssel (Fr), N Bouzouita (Tu), A Dzedzic (Pl), S Ivatek-Sahdan (Cr), O Latinne (Be), A Mika (Hu), F Taillefer (Fr), JL Ricard (Fr), Y Wang (Au)

- ◆ coordination meeting : *Toulouse (Fr), September 2002*