

Summary of answers to the LAMEPS questionnaire (HMS)

Andras Horanyi

1. Summary

1. The questionnaire was sent to all ALADIN coordinators (15 countries).
The letter is enclosed.

2. Formal answers to the raised questions:

1 (Slovakia)

3. Number of answers, reactions:

4 (Slovakia, France, Belgium, Romania)

4. Information through other centers:

1 (Austria from France)

5. No answer, no reaction, no news:

10 (Algeria, Bulgaria, Croatia, Czech Republic, Moldova, Morocco, Poland, Portugal, Slovenia, Tunisia)

6. The answers are detailed hereafter

7. Conclusion, outlook

Albeit there is interest to work on LAMEPS and predictability related topics in ALADIN framework at the moment the dedicated manpower is rather low. This state should be revisited in the Innsbruck workshop.

2. Details of the answers

2.1 Slovakia

There is an interest to obtain dynamical estimate of ALADIN forecast's reliability, however they don't have free capacity in 2004. They hope to join the project later.

2.2 France

- a) A student is working on LAMEPS (Jean-Marie Lepioufle)
- b) Loik and Simona are working on Ensemble Jb
- c) PEACE (ARPEGE EPS): Jean Nicolau

2.3 Belgium

They fully agree with the relevance of the LAMEPS experiments and they are interested in both theoretical and operational aspects. They would like to test if the regional ensemble gives a realistic dispersion of weather parameters (if it is helpful to catch extreme events). The LAMEPS project should be introduced at RMI and exchange of basic ideas is needed.

Possible participant: Stephane Vannitsem.

2.4 Romania

- a) Direct application of PEACE outputs as initial and lateral boundary conditions
- b) Generation of initial perturbations: breeding/system simulation approach.
- c) Research on short-range EPS construction for severe weather situations.

Manpower: 2 woman×months, Raluca Radu

2.5 Austria

Implementation of an Ensemble Transform Kalman Filter.

3. Letter

Dear ALADIN coordinators,

We have recently compiled a working plan for LAMEPS related research and development at the Hungarian Meteorological Service (we have two newcomers for this project and Sandor Kertesz is the leader of the work at us). The plan was heavily discussed and afterwards agreed with Meteo France.

The plan is focusing on some specific problems, what we feel that we can tackle, but certainly doesn't address all the general questions, problems at the moment (e.g. the use of other technics for providing perturbations than singular vectors, etc.)

Due to the fact that we are responsible for the coordination of predictability-related work on ALADIN now we would like to address you some questions:

a) Would you be interested in to be involved in LAMEPS and predictability work on ALADIN?

b) If yes, what fields, aspects you are mostly interested in (certainly not exclusively the ones, which are in the attached plan).

c) What manpower you can dedicate to this work (with also names possibly)?

Based on your answers we will extend (modify) the programme and try to make an ALADIN-level plan.

We expect your contribution by the end of the year.

In advance thank you very much for your answer!

Best regards

Andras

CONTENTS

1. Summary	2
2. Details of the answers	2
2.1 Slovakia	2
2.2 France	2
2.3 Belgium	2
2.4 Romania	2
2.5 Austria	2
3. Letter	3