

RC LACE Data Manager

Draft of working plan

For the period of

1st June - 31st December, 2008

Prepared by Alena Trojáková, 11th April, 2008

1. On demand help in ODB related activities

- The DM will be available for ODB related support in case of requirement from local staff of LACE members, which include help in the configuration and usage of ODB and ODB related applications at RC LACE members' site.
- The DM will prepare "user and installation guide" type of documentation about observation usage in the ALADIN data assimilation system based on CY32. The documentation should be available on RC LACE web environment (forum or FAQ).

Priority: high

Realization: Prague or short stay in members' site if required

Estimated efforts: 1.75 PM (~ one week per country)

Proposed contributors: DM

Schedule: continuous work

2. Development and maintenance of observation pre-processing tools

- The DM will provide support for data assimilation project related to the centralized pre-processing of observations.
- The DM will ensure co-ordination in the use, visualization and de-coding of observations.

Priority: high

Realization: Prague

Estimated efforts: 1 PM + 2 weeks stay in HMS

Proposed contributors: DM

Schedule: autumn

3. Development and maintenance of an interactive web-based observation monitoring system for the ALADIN variational data assimilation systems (3D-VAR, 3D-FGAT).

The prototype version of this system has been developed by S. Kertész and is now available for test purposes. Documentation of the system and its installation procedure should be written. The major renewal of the system (in order to read ODB directly) should be considered as well as continuous extension of the system to include more diagnostics (flags from CANARI) and development related to new observation types.

Priority: medium

Realization: Prague

Estimated efforts: 0.25 PM

Proposed contributors: DM

Schedule: continuous work

4. Acting as ODB contact person

An ODB contact person should be informed about the latest releases and developments by the ODB database developer and could help to solve the emerging problems and further spread the information inside the community. RC LACE members are kindly asked to address the questions through ODB contact person (not directly ODB database developer).

Priority: high

Realization: Prague

Estimated efforts:

Proposed contributors: DM

Schedule: continuous work

Summary of the planned RC LACE Data Manager Activity for 2008

ODB related activities	1.75 PM
Observation pre-processing	1.5 PM
Observation monitoring	0.25 PM
Total	3.5 PM

Outlook for 2009-2010

Generally ODB related support should be kept for oncoming years, as well as development and maintenance of observation pre-processing and monitoring system. Pre-processing development should be related to use of “new” observation, e.g. radar, GPS, for assimilation and/or verification purposes. And in the observation monitoring special attention to surface analysis monitoring and overall redesign of monitoring system is expected. Verification issues and data exchange of high resolution observations should be addressed as well. As a first step impact study of non-GTS SYNOP observations including surface CANARI and/or 3D VAR should be performed and only after technical aspects should be tackled. Detailed summary of DM year-plan will be updated by the end of year for next one with respect to RC LACE plans and actual needs.

Outlook of the planned RC LACE Data Manager Activity for 2009

ODB related activities	2 PM
Observation pre-processing	1 PM
Observation monitoring	1 PM
Verification issues	1 PM
Data exchange	1 PM
Total	6 PM