

RC LACE Data Manager

Draft of working plan

For the period of
1st January - 31st December, 2012

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This is tentative plan of the RC LACE Data Manager (DM) activities for next year. Please note that the priorities can change during the period and efforts and/or schedule can be adapted accordingly. Here follows the list of the items which are expected to be of the DM's main interest:

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 act as ODB contact point. 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).
- The DM will continue to update and maintain RC LACE forum, mainly "user and installation guide" type of documentation about observation usage in the ALADIN data assimilation system.

Priority: high

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

Estimated efforts: 1.0 PM

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 observation pre-processing for LACE (OPLACE)
- The DM will include newly usable observation types into the pre-processing system
- The DM will ensure co-ordination in the use and decoding of observation with Météo-France and HIRLAM.

Priority: high

Realization: Prague, Budapest

Estimated efforts: 1.5 PM (short stay in HMS if necessary)

Proposed contributors: DM

Schedule: continuous work

3. Exchange of the national (non-GTS) SYNOP data

This item is part of a data assimilation project in order to set-up an exchange of the national SYNOP data to be used for data assimilation, verification and nowcasting. The data availability and means for the data provision in Member's states were checked and samples were quantitatively and qualitatively evaluated. In order to facilitate technically the implementation of the national SYNOP data exchange the DM will provide support in implementation and evaluation of various options for gathering and distribution of the data within OPLACE.

Priority: high

Realization: Prague, Budapest

Estimated efforts: 1.5 PM (short stay in HMS if necessary)

Proposed contributors: DM

Schedule: spring

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

The observation monitoring system has been successfully installed in almost all Member's states. The main priority should be the maintenance and continuous extension of the system to include new observation types and diagnostics. Medium priority belongs to major renewal of the system (in order to read ODB directly) which should be considered.

Priority: medium to high

Realization: Prague

Estimated efforts: 1.5 PM

Proposed contributors: DM

Schedule: continuous work

5. RC LACE for HARMONIE Scripting System Technical Action

Data assimilation suite is rather complex and thus quite demanding for installation and maintenance. To give support to LACE Members the unification of the scripting system was examined in 2008. RC LACE build working group of ALADIN System Coordinator (ASC), Area Leader for data assimilation (AL DA) and DM to prepare proposal for HARMONIE Scripting System Technical Action and also approved to dedicate an effort to HARMONIE script system development (to include needed elements we miss at the moment) to be able to use HARMONIE on the long term (2-3years) as a unified script system for compiling and running the model.

There has not been a considerable progress during last years and the LACE Steering Committee recommended that new DA Area Leader should formulate the demands towards DM and ALADIN/LACE System Coordinator to define further action concerning the HARMONIE scripting system. The DM's efforts could be related to local technical installation and development of missing elements.

Priority: low to medium

Realization: Prague

Estimated efforts: 1 PM

Proposed contributors: DM

Schedule: continuous work

6. SRNWP Verification Program

In November 2009 LACE Council decided that ALADIN/CE will represent LACE in SRNWP Verification (SRNWP-V) Program. The extension of the SRNWP-V Program until the end of 2012 was asked and then granted by the EUMETNET Assembly with unchanged coordination (by the Met Office), but with additional deliverables. The DM will ensure monthly transfer of recent products to UK Met Office.

Priority: high

Realization: Prague

Estimated efforts: 0.5 PM

Proposed contributors: DM

Schedule: continuous work

Summary of the planned RC LACE Data Manager Activity for 2012

ODB related activities	0.50-1.00 PM
Observation pre-processing	1.50 PM
Exchange of non-GTS SYNOP data	1.50 PM
HARMONIE Technical Action	0.00-1.00 PM
Observation monitoring development and maintenance	1.50 PM
SRNWP Verification Program	0.50 PM
Total	5.50-7.00 PM