ALADIN-LACE System Coordinator (ASC)

Report 2016

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1. Introduction and background

The activities of ALADIN-LACE System Coordinator (ASC) are listed in the Term of References of RC LACE Management Group and acts under the responsibility of Programme Manager.

2. Main technical activities

Action/Subject/Deliverable: **Phasing of common ALADIN cy43t1 cycle**
Description and objectives: The main objective was to create/validate new cycle of ALADIN code cy43t1 based on ALADIN/HIRLAM contributions delivered to the deadline. This phasing stay has been organised by Météo-France in May/Jun 2016. The whole ASC phasing action has been divided to 4 weeks stay at CNRM/Météo-France (1st – 13th May/ 23rd May - 3rd Jun 2016) and additional local phasing in period 5 weeks.
Efforts: 2.25 PM
Contributors: ASC
Documentation: RC LACE Forum
Status: Finally the cycle cy43t1 has been released and the code has been published in MF GIT repository by GCO (see RCLACE Forum).

Action/Subject/Deliverable: **Phasing of common ALADIN cy44 cycle**
Description and objectives: The main objective was to create/validate new cycle of ALADIN code cy44. The action has been organized by CNRM/Météo-France based on the last IFS/Arpège coordination meeting. The phasing period for actual common IFS/Arpège/LAM cycle 44 has been set to mid-November 2016 through the end of February 2017.
The whole ASC phasing action has been divided to 2 weeks stay at CNRM/Météo-France (21st November – 2nd December 2016) and additional local phasing effort in period 3 weeks in 2016 year.
Efforts: 1.25 PM
Contributors: ASC
Documentation: RC LACE Forum
Status: The phasing cy44 continue in winter 2017.

Action/Subject/Deliverable: **Technical implementation of the cy40t1_bf05 export version on others platforms/compilers and creating and validation of cy40t1_bf06.**
Description and objectives: The main objective was implementation of the export version cy40t1 released by MF on the scalar platforms and validation for the LACE community.
There is testbed ready on beaufix MF platform for common LAM configuration for export version cy40t1. Also few bug fixes (bf06) have been collected and tested here.
Efforts: 2.0 PM
Contributors: ASC
Documentation: RC LACE Forum
Status: The cycle cy40t1_bf05 has been implemented on the IBM platforms Power7/7+ (SHMU), Bull Intel (MF) and IBM Sandy Bridge cluster (Romania) and cy40t1_bf06 is ready in MF GIT repository for official release.

Action/Subject/Deliverable: **HARMONIE Verification package – operational web site**
Description and objectives: The main aim of this action was production common verification scores from LACE operational model outputs.
Efforts: 0. 25 PM
Contributors: ASC
Documentation: see RCLACE Forum - HARMONIE Verification pack
Status: The HARMONIE Verification package has been locally installed at Croatia, Slovenia, Slovakia, Hungary, Austria and Czech Republic and verification scores are operational produced on the RCLACE web site from March 2014. Also presentation environment for local AROME model has been created.

Action/Subject/Deliverable: **Administration and Maintenance of the RC LACE Web site and RC LACE Forum**
Description and objectives: Maintenance of the operational products, system support and administration of the RC LACE Forum.
Efforts: 0.25 PM
Contributors: ASC
Documentation: www.rclace.eu
Status: ongoing

3. List of actions, deliverables including status

Subject: phasing ALADIN code

Deliverables: GIT database at CNRM/Meteo-France; on request

Status: DONE, 2016

Subject: Technical implementation of the cy40t1_bf05 export version and bf06

Deliverables: on request

Status: done, spring-winter 2016

Subject: HARMONIE Scripting system – Verification package

Deliverables: HARMONIE Verification package

Status: ongoing

Subject: RC LACE web site

Deliverables: www.rclace.eu; www.rclace.eu/Forum

Status: ongoing

4. Documents and publications

Oldřich Španiel,2016:
http://www.rclace.eu/forum/viewforum.php?f=90 – phasing cy43t1

Oldřich Španiel,2016:
http://www.rclace.eu/forum/viewforum.php?f=92 – phasing cy44

Oldřich Španiel,2016:
http://www.rclace.eu/forum/viewtopic.php?f=41&t=379 – HARMONIE verification pack

Oldřich Španiel,2016:
http://www.rclace.eu/forum/viewforum.php?f=87 - cy40t1_bf05 - export version

5. Activities of management, coordination and communication

1) 26th RC LACE Steering Committee Meeting, 03-04 March 2016, Hnanice, Czech Republic
2) 26th ALADIN Workshop & HIRLAM All Staff Meeting 2016, 4-8 April 2016, Lisbon, Portugal
3) ALADIN phasing stay - cy43t1, 1-13 May 2016, 23 May – 3 jun 2016, Météo-France, Toulouse
4) 27th RC LACE Steering Committee Meeting
5) EWGLAM 2016, Italy, Roma
6) ALADIN phasing stay - cy44, 21 Nov - 2 Dec 2016, Météo-France, Toulouse

6. Summary of resources/means

Subject/Action/deliverable	Resource		LACE		ALADIN	
	Planned	realized	planned	realized	planned	Realized
ALADIN Phasing	3.5 PM	3.5 PM	2.0 PM	1.5 PM		
ALADIN export version	1.5 PM	2.0 PM				
HARMONIE verification tool	0.5 PM	0.25 PM				
RC LACE web site	0.5 PM	0.25 PM				
Total:	6.0 PM	6.0 PM				