

ALADIN-LACE System Coordinator (ASC)

Report 2017

Prepared by:	Oldřich Španiel – ASC
Period:	01/01/2017 – 31/12/2017
Date:	01/03/2018

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 cy44 cycle

Description and objectives: The main objective was to create/validate new cycle of ALADIN code cy44 based on contributions from CY43T2 and cycle CY43R3 from ECMWF. This phasing stay has been organised by Météo-France in November 2016/February 2017. The whole ASC phasing action has been divided to 4 weeks stay at CNRM/Météo-France (9th – 21th January/ 5th - 17th February 2017) and additional remote phasing in period 4 weeks.

Efforts: 2.0 PM

Contributors: ASC

Documentation: RC LACE Forum - Report_Phasing-cy44_ASC_part-I.pdf, Report_Phasing-cy44_ASC_part-II.pdf, Report_Phasing-cy44_ASC_part-III.pdf

Status: Finally the cycle cy44 has been released in March 2017 and the code has been published in MF GIT repository by GCO (see RCLACE Forum).

Action/Subject/Deliverable: Phasing of common ALADIN cy45t1 cycle

Description and objectives: The main objective is to create/validate new cycle of ALADIN code cy45t1. The action will be organized by CNRM/Météo-France based on the last IFS/Arpège coordination meeting. The whole ASC phasing action will be divided to 4 weeks stay at CNRM/Météo-France (15th October – 27th October 2017/12th November – 24th November 2017) and additional remote phasing effort in period 4 weeks in 2017 year.

Efforts: 2.0 PM

Contributors: ASC

Documentation: RC LACE Forum - Report_Phasing-cy45t1_ASC_part-I.pdf, Report_Phasing-cy45t1_ASC_part-II.pdf

Status: The cycle cy45t1_main has been release in February 2018 and the code has been published in MF GIT repository by GCO (see RCLACE Forum).

Action/Subject/Deliverable: Technical preparation of the export version cycle cy43t2 and support during implementation on others platforms/compilers.

Description and objectives: The main objective is preparation testing line for expected export version cy43t2 and validation of the model part for the LACE community.

Efforts: 1.5 PM

Contributors: ASC

Documentation: RC LACE Forum

Status: The cy43t2 has been installed and tested on IBM Power HPC and MeteoFrance Bull HPC. The action continues till export version will be 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: 2017 done

Subject: Technical preparation of the export version cycle cy43t2

Deliverables: RC LACE Forum

Status: ongoing, 2018

Subject: HARMONIE Scripting system – Verification package and RC LACE web site

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

Status: ongoing

4. Documents and publications

Oldřich Španiel, 2017:

<http://www.rclace.eu/forum/viewforum.php?f=92> – phasing cy44

<http://www.rclace.eu/forum/viewforum.php?f=96> – phasing cy45t1

5. Activities of management, coordination and communication

- 1) 28th RC LACE Steering Committee Meeting, 13-14 March 2017, Payerbach, Austria
- 2) 27th ALADIN Workshop & HIRLAM All Staff Meeting 2017, 2-6 April 2017, Helsinki, Finland
- 3) LACE Management Group Meeting, 19th Jun 2017, Bratislava, Slovakia
- 4) ALADIN phasing stay - cy44, 9-20 January 2017, 5-17 February 2017, Météo-France, Toulouse
- 5) ALADIN phasing stay - cy45t1, 15-27 October 2017, 12-24 November 2017, Météo-France, Toulouse
- 6) 29th RC LACE Steering Committee Meeting : 21-22 September 2017, close to Ljubno ob Savinji, Slovenia
- 7) 39th EWGLAM and 24th SRNWP EUMETNET Meetings, 2-5 October 2017, Reading, UK

6. Summary of resources/means

Subject/Action/deliverable	Resource		LACE		ALADIN	
	Planned	realized	planned	realized	planned	Realized
ALADIN Phasing	4.0 PM	4.0 PM	2.0 PM	2.0 PM		
ALADIN cy43t2 export ver.	1.5 PM	1.5 PM				
HARMONIE verification tool & RC LACE web site	0.5 PM	0.5 PM				
Total:	6.0 PM	6.0 PM				