

ALADIN-LACE System Coordinator (ASC)

Report 2018

Prepared by:	Oldřich Španiel – ASC
Period:	01/01/2018 – 01/09/2018
Date:	01/09/2018

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 cy46 cycle

Description and objectives: The main objective was to create/validate new cycle of ALADIN code cy46 based on IFS code ECMWF and local contributions. The action was organized by CNRM/Météo-France in period January – April 2018.

The whole ASC phasing action was divided to 4 weeks stay at CNRM/Météo-France (11h – 23th February/ 15th - 27th April 2018) and additional remote phasing in period of 4 weeks.

Efforts: 2.0 PM

Contributors: ASC

Documentation: RC LACE Forum - Report_Phasing-cy46_ASC_part-I.pdf, Report_Phasing-cy46_ASC_part-II.pdf

Status: Finally the cycle cy46 has been released in April 2018 and the code has been published in MF GIT repository by GCO (see RCLACE Forum).

Action/Subject/Deliverable: Phasing of common ALADIN cy46t1 cycle

Description and objectives: The main objective is to create/validate new cycle of ALADIN code cy46t1. 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 (October/December 2018) and additional remote phasing effort in period 4 weeks in 2018 year.

Efforts: 2.0 PM

Contributors: ASC

Documentation: RC LACE Forum

Status: The cycle cy46t1 will be phased in autumn/winter 2018.

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_bf09 has been released as common export version on 19 July 2018.

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: 2018 ongoing

Subject: Technical preparation of the export version cycle cy43t2

Deliverables: RC LACE Forum

Status: done, 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, 2018:

<http://www.rclace.eu/forum/viewforum.php?f=99> – phasing cy46

<http://www.rclace.eu/forum/viewforum.php?f=95> – cy43t2_bf09 export version

5. Activities of management, coordination and communication

- 1) 28th ALADIN Workshop and & HIRLAM All Staff Meeting 2018 – 16-19 April 2018, Toulouse
- 2) 30 LSC Meeting
- 3) 31 LSC Meeting
- 4) EWGLAM 2018
- 5) Phasing stay – cy46 , Météo-France
- 6) Phasing stay – cy46t1, Météo-France

6. Summary of resources/means

Subject/Action/deliverable	Resource		LACE		ALADIN	
	Planned	realized	planned	realized	planned	Realized
ALADIN Phasing	4.0 PM	2.0 PM	2.0 PM	1.0 PM		
ALADIN cy43t2 export ver.	1.5 PM	1.5 PM				
HARMONIE verification tool & RC LACE web site	0.5 PM	0.25 PM				
Total:	6.0 PM	3.75 PM				