

RC LACE Actions and Future

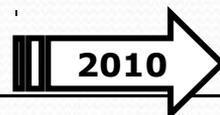
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RC LACE Actions and Future

- Highlights of LACE Actions
 - Operative deliverables and implementations
- Toward the new RC LACE

R&D achievements
optimization



operative use,

4 Areas for R&D → 4 Projects

- Operational 3D Var system for LACE (HMS)
 - implementation at LACE Members
 - **OPLACE-Common observation pre-processing (HMS)**
 - **Monthly reports of data monitoring**
- Implementation of ALADIN NH dynamics (CHMI)
- Operational ALARO phy at 5km mesh size (CHMI)
Operative at LACE members, ALARO 5km, first ALARO 2.5km
e-suite products at LACE WEB page
- Common LAM EPS - ALADIN-LAEF (ZAMG)
processed at ECMWF and ZAMG
products at LACE WEB page, raw data at MARS DB

4 Areas of research :

❖ Finalization of Projects (2011)

- operative implementations of ALARO 5km (till March 2012)
- DA configurations at each service (still to be finish)

❖ LACE R&D long-term topics and operative deliverables

- finalize 2011 R&D execution, status of 2011 deliverables
- in 2011 - 26person.months financed by LACE
- yearly reports for RC LACE Council

- At, initialization with o (cy35t1, 4.8 km)
 - Hr, initialization with o (cy36t1, 2 km)
 - Cz, assimilation cycle (cy36t1, 4.7 km)
 - Ro, initialization with o (cy35t1, 6.5 km)
 - Si, data assimilation (cy35t1, 4.4 km)
 - Sk, assimilation cycle (cy36t1, 9 km)
 - Hu, data assimilation (cy36t1, 8 km)
- parallel runs:
- Sk, assimilation cycle (cy36t1, 5 km)

4 Areas of research :

- ❖ **Plan for 2012**
- ❖ **LACE R&D long-term topics and operative deliverables**
 - deliverables for 2012 and associated Budget

 - working days: **LACE Data Assimilation**
 - ALARO -1**
 - SURFEX working days**
 - GLAMEPS- ALADIN/LAEF kick-off meeting
 - OOPS /C++ Training

- **LACE WEB pages www.rclace.eu**
- **OPLACE (Observation Pre-processing LACE)**
- **National Data**
- **ALADIN-LAEF (Yong presentation)**

➤ **LACE WEB pages** www.rclace.eu

Hosted by SHMU, (maintained by LACE ASC)

- reports on research actions, forums on areas of R&D
- operative statuses
- operative products up to last 15 days at protected part
- Members deterministic models - 4 runs per day
- ALADIN-LAEF system products – 2 runs per day
- Product list: ALADIN Operational Products,
ALADIN pEPS Multigrams
LAEF-Probability charts
LAEF -EPSgrams

- **OPLACE (Observation Pre-processing LACE)**
 - hosted by HMS, maintained by HMS and DM
 - 2012 (OPLACE working days, 20-21 Feb 2012)
 - ❖ -upgrade to more observation types: GPS/EGVAP, Radar wind, reflectivity are planed
 - ❖ **green light for ALADIN-HIRLAM cooperation**
 - to define conditions for users
 - cost of maintenance, volume, national data policy
 - a test data for RMI
 - **requirements for no extra cost for LACE**

➤ **Analyses of National Data access – reopened by LACE DM**

SYNOP

- quantitative
- qualitative overview
- CANARI QC

	Number of GTS stations	available in OPLACE
Austria	181	79
Croatia	42	27
Czech Republic	37	26
Hungary	34	34
Slovakia	25	19
Slovenia	20	11
Common OPLAC radar data	70	22

RADAR

- a first step to common pre-processing in OPLAC radar data
- two months collection and test in passive mode

Decisions on data policy

- MG structure : new Area Leaders :
Tomislav Kovacic for DA
Petra Smolikova for Dynamics&Coupling
- New LACE SC Chair (Josef Vivoda-Sk)

- **LACE 10 y strategy** (self –review)
 - to identify possible areas on sharing the resources
 - to strength the partnerships : sharing of products, facilities, operations?
 - **Options and Challenges on RC LACE Common Operation**
- **Proposals for LACE Projects – 5 years plans**
 - **Highlights of R&D in 5 years**
- **Next RC LACE MoU (*after 2012)**
 - Task force for preparation of next MoU
 - First draft at Spring 2012
- **Call for next LACE Management Group**

