

**Joint LACE Data Assimilation Working Days and
ALADIN Data Assimilation basic kit Working Days**

14-16 September 2020, remote meeting

Monday (14th September 2020), between 9:00 – 17:00 CEST

- 09:00 – 09:10 Welcome and Opening [10 min]
- 09:10 – 10:30 First common block of progress/status presentations, ~15 min/pres (shared):
Slovenia, Slovakia, Romania, Hungary [80 min]
- 10:30 – 11:00 Break [30 min]
- 11:00 – 12:30 Second common block of progress/status presentations, ~15 min/pres (shared):
Czech Republic, Croatia, Austria, Algeria, Belgium, Bulgaria [90 min]
- 12:30 – 13:30 Lunch break [60 min]
- 13:30 – 14:30 Third common block of progress/status presentations, ~15 min/pres (shared):
Morocco, Poland, Portugal, Tunisia, Turkey [60 min]
- 14:30 – 15:00 Status of HIRLAM upper-air DA activities (R. Randriamampianina)
- 15:00 – 15:15 Status of OPLACE (A. Trojáková)
- 15:15 – 15:30 Coffee break [15 min]
- 15:30 – 16:30 Questions to Météo-France (C. Fischer) [60 min]
- 16:30 – 17:00 Discussion

Tuesday (15th September 2020), between 9:00 – 17:00 CEST

9:00 – 10:30 Session on upper-air data assimilation: assimilation of humidity information (shared) [90 min]

- Impact of the variational assimilation of ground-based GNSS zenith total delay into AROME-Morocco model (F. Hdidou)
- VarBC spin up and assimilation of Slovenian GNSS ZTD observations (B. Strajnar)
- Improving heavy rainfall forecasts by assimilating surface precipitation in the convective scale model AROME: A case study of the Mediterranean event of November 4, 2017 (Z. Sahlaoui)
- Discussion

10:30 – 10:45 Break [15 min]

10:45 – 12:00 Session on upper-air data assimilation: radar data assimilation (shared) [90 min]

- Progress of radar DA - validation of obs. operator, processing in screening (A. Trojáková, A. Bučanek)
- Validation of radial winds (K. Čatlošová)
- Discussion

12:00 – 13:30 Lunch break [90 min]

13:30 – 15:30 Session on upper-air data assimilation: further developments (RC-LACE) [120 min]

- Comparison of Mode-S EHS vs. MRAR (K. Čatlošová)
- Investigation of the effect of Hungarian and Czech MODE-S datasets during data assimilation (K. Szanyi, G. Toth, V. Homonnai)
- Update on AROME-RUC (F. Meier)
- Discussion

13:30 – 15:30 Practical Session on pre-processing: (DAsKIT) [120 min]

- OBSMON adaptation and re-compilation to read local ODB data files (I. Dehmous)
- BATOR adaptation to read SAPP BUFR SYNOP data (Y. Cengiz)

15:30 – 16:00 Coffee break [30 min]

16:00 – 17:00 Session on surface data assimilation (shared) [60 min]

- Progress in sEKF assimilation of satellite data (soil moisture, surface temperature, LAI) in Austria (S. Schneider)
- Experiments with sEKF in AROME – 2 case studies (H. Toth)
- Discussion on surface DA

Wednesday (16th September 2020), between 9:00 – 12:00 CEST

9:00 – 10:00 Summary and discussion DAWD and DAsKIT (status M. Monteiro, B. Strajnar) (shared)

10:00 – 10:30 Coffee break [30 min]

10:30 – 12:00 LACE DA discussion and planning (not shared)

10:30 – 12:00 DAsKIT discussion and planning (not shared)

List of participants

Alena Trojáková (CHMI)	Mohand Ouali Ait Meziane (ONM)
Antonín Bučánek (CHMI)	Ghiles Chemrouk (ONM)
Antonio Stanešić (DHMZ)	Alex Deckmyn (RMI)
Suzana Panežić (DHMZ)	Idir Dehmous (RMI)
Mario Hrastinski (DHMZ)	Lesley de Cruz (RMI)
Martina Tudor (DHMZ)	Andrey Bogatchev (NIMH)
Benedikt Strajnar (ARSO)	Milen Tsankov (NIMH)
Vito Švagelj (ARSO)	Boryana Tsenova (NIMH)
Michal Nestiak (SHMU)	Fatima Hdidou (DMN)
Martin Imrišek (SHMU)	Zahra Sahlaoui (DMN)
Viktor Tarjáni (SHMU)	Malgorzata Szczech-Gajewska (IMWM)
Katarína Čatlošová (SHMU)	Gabriel Stachura (IMWM)
Mária Derková (SHMU)	Maria Monteiro (IPMA)
Florian Meier (ZAMG)	Wafa Khalfaoui (INM)
Florian Weidle (ZAMG)	Yelis Cenliz (TSMS)
Jasmin Vural (ZAMG)	Duygu Atkas (TSMS)
Stefan Schneider (ZAMG)	Duygu Ustuner (TSMS)
Anikó Várkonyi (OMSZ)	Sema Cil (TSMS)
Viktoria Homonnai (OMSZ)	Ozan Pirbudak (TSMS)
Alina Dumitru (NMA)	Meral Sezer (TSMS)
Simona Tascu (NMA)	Claude Fischer (Météo-France)
Gabriella Szepszo (HMS)	Roger Randriamampianina (MetNorway)
Helga Tóth (HMS)	
Phillip Scheffkecht /ZAMG)	
Szanyi Kristóf (HMS)	

