

Summary report of the DAsKIT video-conference, 4 June 2018

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The main topics of this video-conference were:

1. Status on the DAsKIT countries progress.
2. Preparation of the DAsKIT WD to be held in Romania, 19-21 September 2018.
3. DAsKIT documentation web page (& LACE Forum).
4. Status on possible solutions for needs identified in the Inquiry 2018.

Short progress status per country:

ALGERIA

- GTS BUFR SYNOP is created locally from ASCII SYNOP and pre-processed (remove of duplications and adding of amends);
- AMDAR and ASCAT data are being tackled now;
- CY40T1 is used;
- have a 6-hour frequency CANARI analysis (not cycled) with ALADIN;
- are working on coupling surface (CANARI) and upper-air (3DVar) on ALADIN with problems;
- are working on 3D-Var for AROME;
- the ingestion of METAR data is not interesting at this moment because airports are co-localized with meteorological stations;
- problems to read one of AMDAR template 311010;
- do not know how to BATOR can read multiple AMDAR;
- no observation monitoring.

BELGIUM

- has created a python script which accesses to GTS, retrieves data, remove duplications and delivers a BUFR file suitable for ingestion in DA;
- it works currently for SYNOP, but extensions for TEMP and AMDAR are planned;
- is working on CY43T2, BATOR seems fine, but a namelist problem was encountered for CANARI;
- is prepared to work with CY40T1;
- needs info on how to treat correction, retards and amends;
- odbtools installed recently.

BULGARIA

- is short of people;
- is working with CY41T1 because faced problems when installing CY40T1 locally;
- did not progressed further.

MOROCCO

- processing of GTS BUFR and GNSS BUFR is OK;
- are working with CY40T1 for surface;
- are working with CY41T1 for 3D-var;

- have problems when coupling surface with upper-air in AROME.

POLAND

- uses data from OPLACE;
- pre-operational testing surface CANARI for ALARO CY40T1;
- ongoing testing of 3DVAR.

PORTUGAL

- has a surface DA cycling by the OI-MAIN method;
- has a standalone hourly surface CANARI analysis with first guess from the previous cycling;
- is using CY38T1;
- is prepared to move to CY40T1.

TUNISIA

- gets data from OPLACE (no work on local obs pre-processing);
- is working with CY38T1;
- is prepared to work with CY40T1;
- are working on ALARO model configuration.
- has no observation monitoring.

TURKEY

- ALARO CMC 4.5km,60L, 6H cycling;
- surface analysis using GTS&local SYNOP;
- 3D-VAR analysis assimilation of GTS SYNOP&local AWS, TEMP, AMDAR, AMSUA/MHS, SEVIRI, AMV;
- CY40T1 is used, only B matrix was computed using FESTAT and FEDIACOV from CY43t2 (due to bug in CY40T1);
- observation monitoring using MANDALAY;
- verification using HARMONIE verification tool;
- main problems with locally made pre-processing (Turkey already have SAPP, but are not using it for DA yet).

Main conclusions:

1. all the countries are willing to work on cycle 40T1, besides Bulgaria which has faced installation problems;
2. all the countries which do not use OPLACE have declared to have finished 2017 exercise for SYNOP data;
3. there are still issues on conventional data pre-processing reported by Algeria, Belgium and Turkey;
4. METAR processing by BATOR does not seem to be interesting at the moment;
5. there was some progress on local DA settings; however coupling surface with upper-air data assimilation is reported many times as an issue;
6. DAsKIT may propose another video-conf before September dedicated to pre-processing in order to sort out the remaining problems/issues;

7. next video-conference should use webex as a conference platform in order to get better conference performance;

8. there is now a dedicated ALADIN web page to share the main events and achievements of the DAsKIT programme and all the countries are invited to contribute with information to it, at <http://www.umr-cnrm.fr/aladin/spip.php?article333&lang=en>;

9. there is now a dedicated LACE Forum page to where DAsKIT countries are invited to post their working issues, at :
<http://www.rclace.eu/forum/viewtopic.php?f=21&t=580&p=2023#p2023>.

Actions:

1. all the countries are asked to send their previous (2017) exercise documentation to DA coordinator;

2. all the countries are asked to be prepared to work with CY40T1 on this programme, otherwise it will be hard to give them support due to the need to optimise resources;

3. all the countries are asked to review and report to the DA coordinator their detailed status with the items for all the CMCs which are running/testing, prepared at the Google table:
<https://docs.google.com/spreadsheets/d/1REEm5USxpE7gQrjzSZTDul3ieCKPVzvvHq1rf22vmA/edit#gid=2069325243>;

4. all the countries should send a short report on encountered issues to the DA coordinator and/or post it on the dedicated page at the RC LACE Forum. In particular,

- Algeria (Idir) is invited to write more details about AMDAR template 311010 problem;

- Algeria (Idir) is invited to write more details about crash in AROME CANARI;

- Belgium (Alex) is invited to write more details about needed info for treating GTS; corrections, amends, ...(can consider to use <http://www.rclace.eu/forum/viewtopic.php?f=37&t=538> as a first approach) and also on the needed info on the format of BUFR TEMP

in order to be read by HARPv3;

- Belgium (Alex) is invited to write more details about namelist issue for CANARI CY43T2;

- Belgium (Alex) is invited to write more details which odbtools were installed;

- Morocco (Zahra & Fatima) is invited to write more details about their problems to couple surface and upper-air DA in AROME;

- Bulgaria (Andrey) is invited to write more details about problem to install CY40T1;

- Turkey (Yelis) is invited to write more details about problem with local data pre-processing.

5. Romania (Simona Tascu) will announce the DAsKIT WD and the logistics for visa letters which will be forward by DAsKIT countries by DA coordinator. The meeting is planned for 19-21 September 2018. All participants are kindly requested to bring a laptop for practical sessions and insure a remote connection to their HPC;

6. Alex should provide a standalone HARP package with installation instructions (version 3, preferably already with the verification against radiosondes) up to September 5, so that participants at the DAsKIT WD may install it before the meeting in Bucarest;

7. Roger Randriampampianina should provide a standalone OBSMON package with installation instructions up to September 5, so that participants at the DAsKIT WD may install it before the meeting in Bucarest;

8. DA coordinator (Maria) will announce the dedicated DAsKIT video-conference summary report at the ALADIN web page;

9. DA coordinator (Maria) will contact Météo-France to request info on progress of standardization of BUFR Tables.