

DAsKIT plans for 2021(1/9)

- . Monitor countries' **acquisition and pre-processing** efforts
- . Re-visit **verification** (HARP: FA+WMO BUFR)
- . SURFACE: **CANARI tuning and surfDA validation**
- . UPPER-AIR: B-matrix computing (obs perturbations and diagnostics) & diagnostics software
 - Screening tuning
 - Stabilise a combined DA KIT configuration:**
CY43T2 namelists; scripts
- OBS ASSIMILATION: **BIAS correction and blacklisting**
 - Monitor **OBSMON usage**

Finally: what did you think on the DAsKIT programme
What did you think of this year's joint meeting
agenda/structure/organization ?

DAsKIT plans for 2021 (2/9)

. Monitor countries' **acquisition and pre-processing** efforts

- RMI package action for countries which do not have SAPP: test of different packages and comparison with home tools (Tunisia, Turkey)
- RMI share the code is a very first step; docs could be shared also, if available (there is already some doc available from the package)
- Tunisia can provide an implementation report

DAsKIT plans for 2021 (3/9)

.. Re-visit **verification** (HARP: FA+WMO BUFR)

- RMI will prepare a seminar on the HARP usage (maybe end of this year/beginning of next year)
- A full HARP training on-line is not safe to organize, but during the RMI seminar Alex can already drive people for already available on-line documentation and training
- Poland will share problems, because they are experiencing HARP usage at the moment

DAsKIT plans for 2021 (4/9)

.. SURFACE: **CANARI tuning and surfDA validation**

- Check Jean-François proposal impact (RMI, IPMA, TSMS) and share conclusions
- Re-visit best way to tune CANARI; coordinator will discuss with Beni and Alena methodologies and will share a priori ideas

DAsKIT plans for 2021 (5/9)

UPPER-AIR: B-matrix computing (obs perturbations and diagnostics) & diagnostics software

Stabilise a combined DA KIT configuration:

CY43T2 namelists; scripts

Screening tuning

- A compilation of available doc and LOCAL tools is desirable: ALL the countries will share with DAsKIT what they know; coordinator will compile the info and will share it in a doc. In particular, CHMU will share info on the latest way of proceed using local scripts
- 'Exercise'/session on B-matrix will be done during 2021, on a date to decide, taking into account the facilities already available (compiled as above)
- Finding the best way to share the workflow and namelists for the combined surf+3D-var DA solution will be an issue; for the time being Belgium offer to share to info if asked for it

DAsKIT plans for 2021 (6/9)

.OBS ASSIMILATION: **BIAS correction** and **blacklisting**
Monitor **OBSMON usage**

- Some work will continue to be done here; ideas are requested on the best way to share them...

DAsKIT plans for 2021 (7/9)

1. What did you think of this year's joint meeting agenda/structure/organization ?

...this year's meeting was very beneficial and practical for us.

...sharing sessions as well as parallel sessions have the advantage of allowing both the progress of local DA activities and the overview over further progress possibilities; increasing the shared sessions was an improvement along the previous DA WD; practical sessions should definitely be kept.

...it is interesting to share some sessions; more time should be given to practical exercises: It's very useful to deal in real time with some technical or installation issues. Like the regular video-meeting, it can be interesting to program online practical exercises regularly.

...keeping some video-recording of practical sessions could be particularly useful when we are changing the hardware or moving to new machines/platforms for example.

DAsKIT plans for 2021 (8/9)

2. What did you think on the DAsKIT programme: did it help or not ? how to improve it; what was missing, etc etc

...we progressed a lot thanks to DAsKIT programme; it helped a lot to implement the DA in doors. Maybe writing a short report or inform others after every achievement could help others in their progress.

...the programme for DAsKIT is good; you see how many countries progress

DAsKIT plans for 2021 (9/9)

3. Suggestions of topics for next year

...start working on assimilation of radar and other popular observations inside DAsKIT.

...verification of DA and discussion on static/flow-dependent B-matrix.