

2019DAsKIT: 3D-Var basic KIT (CY40T1)

1. during the 2018DAsKIT, a basic kit on surface DA was prepared at CY40T1 (export version) in beaufix. It contained the following sequence of tasks: bator > add_surf > cpl_ts > blendsea > 701+oi_main > 001
2. this year, a surface+upper-air DA basic kit is adopted after Mate Mile, OMSZ 2016
3. it solves the tasks: bator > add_surf > blendsea > canari > oi_main > screening > minimisation
4. one should note on the following:
 - i) many tasks use local packs (from Mate Mile) instead of directly the export version (and this has to be updated);
 - ii) in particular, blendsea uses a source code which does not belong to the export version. To regularise this one can follow the methodology used on the surface exercise during 2018;
 - iii) oi_main is still done in a separated way from 701 configuration. This is consuming more resources than needed so you are invited to use the sequence of tasks used on the exercise of 2018;
 - iv) the source code is under Y40T1
5. 2019DAsKIT participants are invited to replicate the basic kit on their users in beaufix, noting that the domain is from Hungary (OMSZ); you can then try to adapt it with 2018 upgrades for the surface tasks; move it to local geographical domain; and finally migrate it to local machines
6. discussion should be open on:
 - i) uniformisation of cycle. It would make the validation easier if one could work all under the same cycle, so a decision should be taken on that;
 - ii) uniformisation of tasks