**Agenda of the CLM-Community EVAL Group meeting**

**CLM-Assembly 2020**

**Tuesday, 15 September 2020, 14:00 – 15:50**

**Conference call**

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|  | **TOPIC** | **ITEM** |
| **1** | Welcome  | * Welcome
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| **2** | Status of COPAT 2  | * Still more work is needed for ICON configuration and output preparation – KK
* ICON-CLM available not before January next year – DR
* Also, we need to wait for an official release of COSMO-CLM 6 before starting evaluation and calibration processes
* Concerning CCLM6, some issues need to be solved before official release. A main problem is the one related to the new hydrological scheme. This in fact shows huge complications in the simulation of temperature maximum that seems too low depending on the region. Further tests on-going.
* Computational resources to be used for when the model will be ready: for the year 2020 the resources of DKRZ projects of KK and BG could be used. For 2021 the idea would be to open a small project for ICON-CLM that could eventually be updated in April. BG will take care of this task.
* Messy implementation in COSMO-CLM 6.0: tests need to be performed by AK for seeing if with the new version everything works fine.
* BG presented the results of the evaluation of reference ERA5-driven COSMO-CLM 5.0 V.16 against radiosondes:
* there seems to be complications in precipitation. Other variables are ok.
* Main question on whether all pressure levels of radiosondes should be used for comparison against model results
* Important to decide which model time frames to target for the evaluation against radiosondes
* MM will take care of the evaluation suite of the new simulation
* Considerations on the possibility to take pressure levels closest to model levels (radiosondes have resolution of 2 or 3 hPa.). Further discussion will be conducted in a smaller group (BG, MM, KK, ER, AK).
* For the moment just one location was considered and in the future we need to take care of additional ones
* KK discussed results of the evaluation of the reference run with CCLM 5.0\_clm16, ERA5 6hr forcing, recommended model configuration for 5.0 on EUR-11 (same run as above). Simulation compared to an identical configuration but with ERA-Interim forcing shows systematically colder results.

Since in ERA5 you have additional input variables (qr, qs) than in ERAInterim, an additional test run is required, using the same variables in input between the two different forcing data-sets.* DR highlighted the need for updating the list of the parameters to consider in the calibration procedure.
* A meeting for starting the calibration process will be organized as soon as an official release of COSMO-CLM 6 will be available.
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| **3** | HZG-EvaSuite/FREVA | * Status Update
* Philipp Sommer presented the updates on FREVA combined with the HZG-EVASUITE
* There is still lot of work to be performed: in particular multi-model analyses can not be conducted yet. Additionally, not all output formats of HZG evasuite are well supported by FREVA yet.
* A unique FREVA instance for the CLM community will be set up for running at DKRZ
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| **4** | Scientific Collaborations, News and Research Ideas  | * Need to revise on-line information of WG EVAL and COPAT2 project – ER
* List of new publications concerning RCMs evaluation will be included on the WG EVAL.
* Ideas on how to foster more interactions among the group members should be discussed in the next meeting

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