PT AEVUS2 web conference, 21 April 2020

Participants: Massimo Milelli (**MM**), Valeria Garbero (**VG**), Jan-Peter Schulz (**JPS**), Matthias Demuzere (**MD**), Paola Mercogliano (**PM**), Edoardo Bucchignani (**EB**), Francesca Bassani (**FB**), Mikhail Varentsov (**MV**).

Minutes of the discussion

Part I: common namelist and paper about PT AEVUS

1) Common namelist finalization: **FB** shows that the verification performed over Piedmont with the old **MV**'s namelist brings to a slight worsening of the results, therefore the ArpaP namelist will be adopted. **VG** will send it to the participants. There are only few differences left between ArpaP and **MV**, but they are not relevant for the task or their impact is negligible (pat_len, aerosols, albedo). Concerning the vertical diffusion, **MV** will run with itype_vdif=-1 in accordance with the common experience in COSMO.

2) Concerning the paper about PT AEVUS, firstly the simulations have to be completed by **EB** and **MV**. Then **VG** offers to coordinate the work.

Part II: LCZ-based work and PT-AEVUS2

1) **MD** shows his work on LCZ over the local domains (Moscow, Turin and Naples). The partners will start checking the data for their use in COSMO. MD is trying to contact ExtPar people (Katie, Jürgen) for organizing the change of some database (see **MD**'s presentation).
   UPDATE: MD (with help from Hendrik) will work on EXTPAR for having the new and the old fields side by side.

2) **MV** will inform **MD** when his first test with COSMO using the LCZ-based domain file is done.

3) **MV** will contact Uli Schättler for the inclusion of TERRA_URB in COSMO v6.0.

4) **VG** will provide **MD** with more information on the double-counting.

Part III: follow-up of the project and next meeting

1) A proposal has to be written and submitted to SMC before its web meeting of June (or July). **JPS** is a candidate to lead the PP.

2) The next meeting will be decided as soon as the latest simulations by **MV** and **EB** are concluded.