WG5-INSPECT session, 08.03.2017.

Minutes

Participants: A. Bundel (chair), F. Gofa, D. Boucouvala, P. Eckert, M.S. Tesini, J. Linkowska, A. Kirsanov, A. Montani, E. Astakhova, X. Lapillonne, U. Pflüger.

- The status of PP INSPECT was discussed. The PP INSPECT is scheduled to finish in August 2017. However, some tasks are delayed, in particular, those related to the application of spatial methods to ensembles and proposing the Guidelines as to using the spatial methods for different terrains, synoptic situations, domain sizes, user requirements, etc. The necessity of project prolongation was discussed in general discussion. It was decided not to demand a prolongation at the present time and aim to the completion of all Tasks by August 2017.
- The deadlines for task written reports were determined: 30 April for deterministic applications and mid-June for the probabilistic ones. PL has already disseminated a sample document with this required information for each method that was used in the various subTasks.
- P. Eckert (WG4c) noted that he could contribute into summarizing the reports when they are ready.
- X. Lapillonne mentioned that a focus could be made on the comparison of standard and spatial methods.
- The long time-series of neighborhood scores available at DWD and MeteoSwiss were discussed. U. Pflüger and X. Lapillonne mentioned that unfortunately the prolongation of these time-series is suspended at present due to the lack of human resources. A summary feedback of what was performed will be prepared however for Task5 purposes
- The reruns of deterministic and ensemble forecasts for the MesoVICT cases were discussed. At present, ECMWF-EPS and COSMO-E reruns are available for two MesoVICT cases. It was mentioned that these data are sufficient to test the spatial approach to ensembles. However, to make more statistically significant conclusions, it's better to have the other cases. The possibility to perform these reruns will be studied.

Then, the following presentations were made:

A. Montani: «Sensitivity of COSMO-LEPS forecast skill to the verification network: application to case studies in the framework of the MesoVICT project» (presented also during the Plenary session). It was found that with the box size increase, differences in the DIST scores using the JDC station data and VERA station analysis become smaller. Probably, higher resolution ensembles will be studied, e.g. COSMO-E.

J. Linkowska: «The latest results of PP INSPECT at IMGW-PIB». Results of comparisons of two packages (VAST and SpatialVx) were showed. There are differences in some scores; they are communicated to SpatialVx author E.Gilleland. The SAL results for MesoVICT cases were also showed.

D. Boucouvala: "SAL Application on COSMO-LEPS", where the dependence of predictability of SAL precipitation characteristics on the lead time was explored. Also, a convenient way was proposed to display the SAL characteristics using the box-plots.

M.S. Tesini: «User oriented verification of wind forecast: how to take into account wind speed and direction and summarize the results in a single plot», in which a new flexible method is proposed to plot wind characteristics; the time window can be applied.

A. Bundel: «INSPECT status at RHM».