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## EUMETNET 2019-2023

### Joint SRNWP-EPS and Post-processing workshop 2020

### Workshop on “Practical Operational implementation of Statistical Post-Processing for ensemble forecasts”

27-30 October 2020, BlueJeans video-conference meeting

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#### First Announcement

In the framework of the **SRNWP-EPS** and **Post-Processing** modules of the NWP Cooperation programme (NWP-C) of EUMETNET, the joint Workshop entitled “*Practical Operational implementation of Statistical Post-Processing for ensemble forecasts*” is organized in 2020 by videoconference due to pandemic situation.

The Workshop will take place during the last week of **October** 2020 tentatively from the **27<sup>th</sup>** to **30<sup>th</sup>** starting at **09:00 CET** and finishing at **12:20 CET** with two afternoon sessions devoted to non-European invited speakers or extra-discussions. It will be held through **BlueJeans** video conferencing meetings.

The general aim of the Workshop is to bring together SRNWP-EPS and Post-Processing modules/projects’ participants as well as scientists working in both Post-Processing and EPS fields. It is expected to present and discuss new ideas and future lines of work applying post-processing methodologies to convection-permitting LAM-EPS with a special focus on high impact weather and extremes.

The Workshop will be structured around presentations of invited speakers and participants, short oral poster-type presentations and discussion sessions.

For the SRNWP-EPS specific side it will be addressed:

- Updating advances on the Application Tasks of the project: tools for the calibration of LAM ensembles for forecasting extremes (#req. EPS\_1), products for post-processing using specifically outputs from LAM-EPS devoted to high impact weather forecasting (#req. EPS\_2) and the additional Application task to develop methodologies for defining an Extreme Forecast Index (EFI) and Shift of Tales Index (SOT) for LAM-EPS (#req. EPS\_8).
- From the research point of view, firstly presenting and reviewing the established “EUMETNET SRNWP-EPS Convection permitting LAM-EPS database” and its archived summer test-bed period. Secondly discussing participants coordinated testing experiments and activities relying on the database in order to improve the representation of model uncertainties relevant for forecasting high-impact weather phenomena.

For the Post-Processing (PP) the main objectives are:

- To discuss recent advances in the context of post-processing. A general session will be organized in this perspective, or several depending on the specific interests.
- Discussions on the benchmark on statistical post-processing techniques currently in preparation.



Participants are invited to submit abstracts, mainly on the following topics:

- Operational and developments on implementing statistical post-processing for ensemble forecasts.
- General progresses on post-processing techniques, in particular with Machine Learning.
- Post-processed probabilistic prediction of high-impact weather (e.g. gusts, icing, fog, severe convection, wind storms, lightning, turbulence) and extremes.
- Ensemble approaches to deal with model uncertainties: methods, results of experiments and open issues
- Plans for ensemble forecasting, including development of new post-processing and/or calibration approaches, new products, new verification methods, and so on.

## Registration

Register by sending an email to Scientific Coordinators Stéphane Vannitsem ([svn@meteo.be](mailto:svn@meteo.be)), Alfons Callado ([acalladop@aemet.es](mailto:acalladop@aemet.es)) and Francesca Marcucci ([francesca.marcucci@aeronautica.difesa.it](mailto:francesca.marcucci@aeronautica.difesa.it)).

For those who want to present their work, a short abstract [including title, authors name(s) and affiliation plus a preference for oral or short oral poster presentation] should be submitted by e-mail to the three previous Scientific Coordinators.

**Deadline for submission of abstracts is October 14<sup>th</sup>, 2020.**

## Confirmed Invited speakers

- Dr. Sándor Baran
- Dr Michael Scheuerer

## Program

The project Scientific Coordinators Stéphane Vanitssem (RMI), Alfons Callado-Pallarès (AEMET) and Francesca Marcucci (COMET) will prepare the program.

The detailed program will be compiled following the number of presentations and posters. It will be left enough time for discussions: the joint projects' ones and the specific working groups' ones for each project.

## Video-conference

The Workshop will be hold through daily **BlueJeans** video conferencing meetings, which will could be joined either from a web browser to **199.48.152.152** or **bjn.vc** web sides or from a computer pre-installed BlueJeans software.

The scheduled **meetings IDs** morning sessions starting at **09:00 CET** and finishing around **12:20 CET** are:

- 27<sup>th</sup>: **900 136 530**
- 28<sup>th</sup>: **599 233 778**



- 29<sup>th</sup>: 436 653 055
- 30<sup>th</sup>: 768 943 656

The afternoon sessions will be notified with the second circular depending on the specific requests or invited speakers and participants.