Second Announcement

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

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 **27th** to **30th** 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 hold 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 CLOSED

Register by sending an email to Scientific Coordinators Stéphane Vannitsem (svn@meteo.be), Alfons Callado (acalladop@aemet.es) and Francesca Marcucci (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 14th, 2020.

Invited speakers

- **Dr. Patrick Skinner:** *"Post-processing, interpretation, and verification of short-term, probabilistic thunderstorm guidance from the Warn-on-Forecast System"* (Tuesday 15:25-16:00 CET)

- **Dr. Zied Ben Bouallegue**: *"Accounting for representativeness in the verification of ensemble forecasts"* (Wednesday 10:25-11:00 CET)

- **Dr. Beth Ebert**: *"Overview of Operational Verification of Convection Forecasts"* (Wednesday 11:00-11:35 CET)

- **Dr. Ryan Sobash**: *"Using machine learning to advance probabilistic convective hazard prediction with convection-permitting models"* (Wednesday 15:00-15:35 CET)

- **Dr. Sándor Baran**: "*Statistical calibration of ensemble forecasts of heat indices*" (Thursday 10:00-10:35 CET)

- **Dr. Michael Scheuerer**: *"Using artificial neural networks for generating probabilistic subseasonal precipitation forecasts over California"* (Thursday 15:00-15:35 CET)

- **Dr. Thomas M. Hamill**: *The new Global Ensemble Forecast System version 12 Reforecasts, and Applications to Post-Processing"* (Thursday 15:35-16:10 CET)

Program and list of participants

The project Scientific Coordinators Stéphane Vanitssem (RMI), Alfons Callado-Pallarès (AEMET) and Francesca Marcucci (COMET) have prepared the program and the list of participants.

Both could be find in two places:

1) Next web site:

    http://www.aemet.es/es/conocenos/congresos_y_conferencias/reuniones/SRNWPEPS_workshop_BCN/SRNWP_EPS_2020

2) In EUMETNET portal for EUMETNET members:

    https://portal.eumetnet.eu/dologin.action   (login with your user and password)

    ==> **Forecasting Programme**

    ==> **SRNWP-EPS**

    ==> **Workshops – SRNWPEPS**

    ==> **2020** (**https://portal.eumetnet.eu/display/WORSRNWPEPS#Workshops-SRNWP-EPS-2020**)

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 sites (see below direct links) or from a computer pre-installed BlueJeans software.

The scheduled **meetings browser links** and **IDs** morning sessions starting at **10:00 CET** and finishing around **12:00 CET** and the afternoon sessions starting at **15:00 CET** and finishing around **17:00 CET** are:

- **27th Tuesday morning:**   link: **https://bluejeans.com/900136530**   **IDs: 900136530**
- **27th Tuesday afternoon:**   link: **https://bluejeans.com/141355697**   **IDs: 141355697**
- **28th Wednesday morning:**   link: **https://bluejeans.com/599233778**   **IDs: 599233778**
- **28th Wednesday afternoon:**   link: **https://bluejeans.com/234806073**   **IDs: 234806073**
- **29th Thursday morning:**   link: **https://bluejeans.com/436653055**   **IDs: 436653055**
- **29th Thursday afternoon:**   link: **https://bluejeans.com/898137610**   **IDs: 898137610**
- **30th Friday morning:**   link: **https://bluejeans.com/768943656**   **IDs: 768943656**