
PROGRAMME

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

Tuesday 27th October 2020

<https://bluejeans.com/900136530>

- 10:00 – 10:10** Opening and welcome (J. Montero Garrido, AEMET director of Development and Infrastructures).
- 10:10 – 10:20** Opening and welcome (Daniel Gellens, General Director of RMI)
- 10:20 – 10:30** Presenting Joint EPS-PP workshop (A. Callado and S. Vannitsem)

Session 1 morning: PP and EPS project status

- 10:30 – 10:55** S. Vannitsem and J. Demaeyer: “Status and Plans of the PP project”
- 10:55 – 11:20** A. Callado and M. Cortés: “SRNWP-EPS status of calibration on Extremes and EFI/SOT”
- 11:20 – 11:45** F. Marcucci and R. Golino: “Status of the Application Task on post-processing products”
- 10:45 – 12:00** Discussion time

Session 2: EPS applications (Chairperson: F. Marcucci)

<https://bluejeans.com/141355697>

- 15:00 – 15:25** G. Smet: “Probabilistic storm forecasts for wind farms in the North Sea”
- 15:25 – 16:00** P. Skinner: “Post-processing, interpretation, and verification of short-term, probabilistic thunderstorm guidance from the Warn-on-Forecast System” (invited speaker)
- 16:00 – 16:10** Discussion time

Wednesday 28th October 2020

Session 3: EPS (Chairperson: C. Marsigli)

<https://bluejeans.com/599233778>

- 10:00 – 10:25 A. McCabe:** *“Evaluation of MOGREPS-UK – a ‘back-to-basics’ approach”*
- 10:25 – 11:00 Z. Ben Bouallegue:** *“Accounting for representativeness in the verification of ensemble forecasts”* (invited speaker)
- 11:00 – 11:35 B. Ebert:** *“Overview of Operational Verification of Convection Forecasts”* (invited speaker)
- 11:35 – 11:45 A. Fleury:** *“Physically-based model error representation applied to turbulence and shallow convection parameterizations”* (Poster)
- 11:45 – 12:10 A. Hermoso:** *“Potentialities of stochastic ensemble generation strategies for heavy precipitation forecasting over the western Mediterranean”*
- 12:10 – 12:20 Discussion time**

Session 4: SRNWP-EPS Convection-permitting LAM-EPS database (Chairperson: F. Marcucci)

<https://bluejeans.com/234806073>

- 15:00 – 15:35 R. Sobash:** *“Using machine learning to advance probabilistic convective hazard prediction with convection-permitting models”* (invited speaker)
- 15:35 – 15:50 A. Callado:** *“The SRNWP-EPS archive: status and structure”*
- 15:50 – 16:05 C. Marsigli:** *“Organisation of the in-kind activity: topics and questions”*
- 16:05 – 16:15 F. Bouttier:** *“SRNWP-EPS ensemble intercomparison in the Arome-France-EPS overlap zone: first results”* (Poster)
- 16:15 – 16:40 A. Porson:** *“Progress on the potential of accessing other ensemble data to MOGREPS-UK over the UK: identification of cases, planning and summary of discussions so far”*
- 16:40 – 17:30 SRNWP-EPS convection-permitting LAM-EPS database discussion time: how to use the archive? (EPS Expert Team)**

Thursday 29th October 2020

Session 5: Postprocessing (Chairperson: A. Callado)

<https://bluejeans.com/436653055>

- 10:00 – 10:35 S. Baran:** *“Statistical calibration of ensemble forecasts of heat indices”* (invited speaker)
- 10:35 – 11:00 A. Montani:** *“The flash flood use case in the MISTRAL Project: post-processing and blending ECMWF- and COSMO ensemble forecasts”*
- 11:00 – 11:25 N. Roberts:** *“Making the most of convection-permitting ensembles in post processing”*
- 11:25 – 11:50 G. Evans and F. Rust:** *“Improving probabilistic blending between a high resolution ensemble and a global ensemble using statistical post-processing”*
- 11:50 – 12:15 M. Dabernig:** *“Seamless calibration based on gridded analyses from nowcasting to medium range - the way to operational forecasts at ZAMG”*
- 12:15 – 12:25 B. Schulz:** *“Statistical post-processing of near-real-time ICON ensemble forecasts”* (Poster)
- 12:25 – 12:30 Discussion time**

Session 6: Postprocessing (Chairperson: S. Vannitsem)

<https://bluejeans.com/898137610>

- 15:00 – 15:35 M. Scheuerer:** *“Using artificial neural networks for generating probabilistic subseasonal precipitation forecasts over California”* (invited speaker)
- 15:35 – 16:10 Th. Hamill:** *“The new Global Ensemble Forecast System version 12 Reforecasts, and Applications to Post-Processing”* (invited speaker)
- 16:10 – 16:30 J. Demaeyer:** *“The EUMETNET postprocessing benchmark project: news, current status and development plan”*
- 16:30 – 17:00 Discussion on the Postprocessing Benchmark (PP Expert Team)**

Friday 30th October 2020

Session 7: Postprocessing (Chairperson: S. Vannitsem)

<https://bluejeans.com/768943656>

10:00 – 10:40 L. Moret: *“Postprocessing at MeteoSwiss”*

10:40 – 10:50 J. Rio: *“Post-processing activities at IPMA”* (poster)

10:50 – 11:15 J.B. Bremnes: *“Neural networks in Bernstein quantile function models for ensemble post-processing”*

11:15 – 11:25 D. Quintero: *“A First Try of Neural Networks with the Method of Bernstein Polynomials for the Calibration of Temperature in 5 Airports of Spain”* (poster)

11:25 – 11:50 J. Demaeyer: *“A The RMI station postprocessing app: methodology, first results and future developments”*

11:50 – 12:00 Discussion time

12:00 – 12:10 Final remarks and closing workshop