

Verification parallel session

Time	Title	Presenter	Time	Attend
8:30	Introduction/welcome			
8:32	Verification methodology of variables highlighted by users	Tóth Boglárka	5 min	Remote
8:37	Verification of temperature, wind and precipitation fields for the high-resolution WRF NMM model over the complex terrain of Montenegro	Angel Marcev	5 min	Remote
8:45	Discussion			
8:50	Localised FSS with a new factorisation to diagnose skill and skill improvements over time	Marion Mittermaier	10 min	In-person
9:00	Assessment of sub-kilometric simulations focusing on convective activity	Juan Jesus Gonzalez Aleman	15 min	Unknown
9:15	Application of fair scores to lagged and unlagged ensembles from hourly-cycling MOGREPS-UK	Roger Harbord	15 min	Unknown
9:30	Another look at the skill-spread relationship	Åke Johansson	15 min	In-person
9:45	How metrics and observations affect model comparison (30 min total) <ol style="list-style-type: none"> 1. Interpretation of RAL3 trial results and the impact from verification scores 2. A comparison of observation types and neighbourhood methods (SO-NF vs NO-NF) 3. Using RPS with neighbourhoods 	Rachel North, Marion Mittermaier, Nigel Roberts	10 min, 10 min, 10 min	Remote, In-person, In-person
10:15	Discussion			
10:30	End			

Verification session summary

- Don't rely on scorecards!
- Removing the bias, accounting for observation uncertainty and removing the dependence on the ensemble mean is helpful in getting a more realistic representation of the spread-skill relationship
- Fair scoring rules are important for assessing the realism of ensemble forecasts but are not applicable for all applications. Can they help differentiate between errors associated with a method and errors coming from the data?
- Spatial maps of scores can provide insight into local forecast behaviour and skill
- Representativeness issues mean that neighbourhood-RPS against gauges will favour under-forecasting because (short-duration) rain at a point is a rare event at a point and is the most affected by displacement errors.
- Role of AI in verification is an emerging frontier. See applications for stratification in particular.