



New ECMWF Headline Verification Measures

P. Nurmi

Convenor of ECMWF/TAC Subgroup on Verification Measures. Finnish Meteorological Institute, Meteorological Research (pertti.nurmi@fmi.fi)

Forecast verification is an integral component in both research and operational activities, because verification is a fundamental means for modeling and operational forecasting centers to direct NWP research and to analyze potential trends in forecast quality. The ECMWF has recently adopted, in support of strategic planning, a set of headline verification measures to follow up long-term progress in the medium-range forecasting capabilities of the Centre's models. Selection of these six specific measures was based on recommendations proposed by an invited international verification expert team. The headline measures cover techniques to verify both deterministic and probabilistic/ensemble forecasts. It was defined as a specific goal to be able to evaluate forecasts of rare and extreme adverse weather events and both upper-air and surface weather variables were to be covered. The presentation will provide details, reasoning and discussion of why exactly these six scores were selected. The valuable contribution by the expert team and ECMWF experts is acknowledged.