



Probabilistic temperature point forecasts in the Alps using ensemble dressing

Georg J. Mayr and Philipp Tartaroitti

University of Innsbruck, Meteorology and Geophysics, Innsbruck, Austria (georg.mayr@uibk.ac.at)

The goal is the probabilistic prediction of 2m-temperature at three locations in the Alps (central, southern and eastern) by "dressing" a dynamic ensemble from the ECMWF global model with errors from the best member to obtain a larger hybrid ensemble.

The probabilistic forecasts of the hybrid ensemble are evaluated during a test-period (January 2008 through December 2008) using two different scoring rules (Brier; ignorance) and reliability diagrams. Hybrid ensembles are generated with errors from a separate data set of past predictions from July 2006 through December 2007.