## Blending ensembles from multiple models

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Initial condition seasonal simulations from multiple models can be combined in a variety of ways to produce forecasts. General questions of forecast skill constructed by combining ensemble members, both with each other and with climatology, are explored in the context of seasonal forecasting (Hagedorn et al, 2005; Doblas-Reyes et al, 2005) with the DEMETER data set (http://data.ecmwf.int/data/d/demeter\_mnth/1950/hindcasts/). A blending methodology is suggested using weights for individual model's ensemble members determined by the probabilistic skill score of forecasts based upon individual models. Methods for blending ensemble members from multiple models are demonstrated in the con-