Monthly forecasting at ECMWF

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The European Centre for Medium-Range Weather Forecasts (ECMWF) produces operationally monthly forecasts (32-day EPS forecasts) since 2004. Once a week, a 51-member ensemble is integrated for 32 days. The atmospheric component is coupled to an ocean model after day 10. The real-time forecasts are calibrated by a set of hindcasts. This presentation will describe the main characteristics of the ECMWF monthly forecasts and the future plans for sub-seasonal prediction at ECMWF. The forecast skill scores computed over weekly periods will be presented for various regions. The skill of this model to predict the Madden Julian Oscillation and the impact of the MJO on the NAO and the forecast skill scores over North America and Europe will also be discussed.