



Sub-seasonal temperature forecasting in Europe and Iceland

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In order to assess the potential for sub-seasonal temperature forecasting, the correlation of month-to-month mean monthly temperatures in Europe and Iceland are investigated using long time-series of observations and reanalysis.

In Continental Europe there are large areas, such as the Baltic sea where month-to-month temperature correlations are very high and far beyond any significance threshold for one-month forecasts. There are however also regions and seasons where there is no significant correlation. In some cases, the correlation is even negative.

The results of this study underlines the importance of defining accurately the SST, snow, ice and the soil conditions for sub-seasonal numerical prediction.