



## **Seasonal contribution to annual variability of temperature in Iceland**

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Analysis of temperature time series from Iceland show that for most months there is a high correlation with the mean annual temperature. There are however two periods of the year when there is very little correlation with the mean annual temperature. These periods coincide with the months of February and October. A closer look at the February period reveals that this period does not contribute to the substantial warming of the last two decades. This can be attributed to reduction in the frequency in warm southerly winds associated with high cyclone activity between Iceland, Greenland and Newfoundland. A correlation analysis confirms that the advection of warm air towards the Iceland region of the N-Atlantic is modulated by the temperature field in northern N-America.