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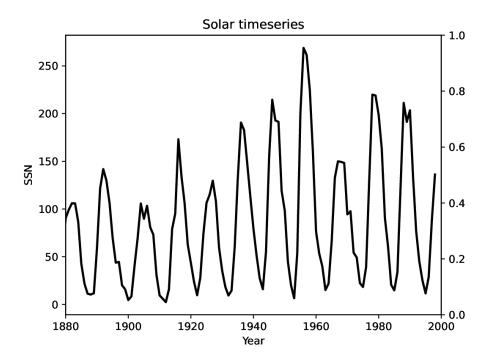
## Supplement of

## A critical evaluation of decadal solar cycle imprints in the MiKlip historical ensemble simulations

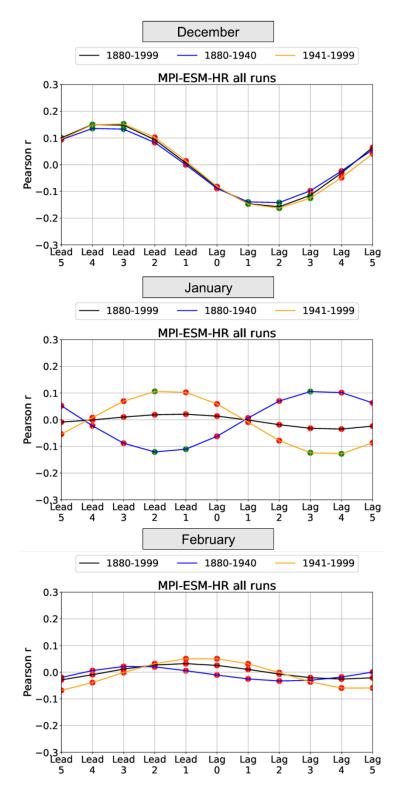
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**Figure S1:** Original (unfiltered) time series of the sunspot number between 1880 and 1999. Source: WDC-SILSO, Royal Observatory of Belgium, Brussels - <a href="https://www.sidc.be/silso/infosnmtot">https://www.sidc.be/silso/infosnmtot</a>)



**Figure S2:** Lead/lag-correlations between the bandpass filtered (December, January, February) NAO (PC1) and SSN time series for the ensemble mean of the MPI-ESM-HR historical simulations in different periods. Green dots mark statistically significant (95%) correlations.