



## Supplement of

## Wind speed stilling and its recovery due to internal climate variability

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## 445 Supplementary Figures



Figure S1. Wind speed timeseries averaged over Europe for pre-industrial control, historical and future experiments. The dashed horizontal line denotes the maximum 20y mean value seen in the 2000y pre-industrial control simulation. Ensemble members are given in colors and the ensemble mean is plotted as black solid line.



Figure S2. 20-year trends in annual mean wind speed in MPI-GE averaged to the European station sites in HadISD. Figure is analogous to 7, except that the average is taken over a box containing Europe but over all HadISD station locations that pass the quality control in (Zeng et al., 2019).



Figure S3. 15 and 25-year trends in annual mean wind speed in MPI-GE over Europe. Figure is analogous to 7, except that trends are computed over different time periods.



**Figure S4. 20-year trends in annual mean wind speed in MPI-GE over Europe under pre-industrial control conditions**. Figure is analogous to 7a, except that trends are only shown if they are significant at the 90% (a) or 85% (b) level.



Figure S5. 20-year trends in European annual mean wind speed in CMIP6. As in Fig. 7b but for individual models.



Figure S6. Continuation of Fig. S5.



Figure S7. Continuation of Fig. S6.