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Does European storminess presently evolve outside of its natural variability?

The effect of humankind's activities on the climatic system can already be seen in some thermal variables on large scales (e.g. continental mean temperature, sea ice coverage in the Arctic, etc.). On smaller spatial scales and for variables having multiple causes, detection and attribution is a lot more complex than for continental temperature and partly not feasible. Such variables are extreme events for instance, which necessitate long periods of time for signal detection.

Here we will focus on fierce storm events. For several regions across Europe proxies that allow an assessment of storminess over a century or so, are evaluated. None of these regions show an evolution outside of its natural variability across the past decades. Anyway, this doesn't mean that there is no change ahead in the next several decades.

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Dienstag
11 Uhr

4.
Nov.
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Seminarraum
Geb. 38