



## **An updated climatology of severe convective wind events in Europe**

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At the last European Conference on Severe Storms in Pula in 2017, a combined analysis of severe convective wind gusts in different European countries was presented. Using national records of wind gust measurements together with lightning and radar data, severe wind events were classified as non-convective or convective. Convective wind events are additionally classified with respect to different convective modes. The work in 2017 combined results of the four countries Estonia, France, Germany, and Romania. This work now includes an analysis wind gust data of Poland in the work.

The wind gust analysis of Poland covers the period between 2008 and 2016. 5745 severe wind reports were found in SYNOP data (maximum wind gusts of at least 25 m/s) and wind damage reports of the European Severe Weather Database. Each report has been manually investigated using combined EUCLID / POLRAD data to assign convective modes according to the guidelines used for the data of Estonia, France, Germany, and Romania. Together with the data for France and Germany, we are able to track wind events over large distances across Central Europe. We also present the climatology of the different convective modes during severe wind events for grid boxes across Central Europe.