A novel European windstorm dataset based on ERA5 reanalysis from 1940 to present

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Table SM1.

Table SM1. XWS events reproduced by the two tracking algorithms (TRACK and TempestExtremes) in the EWS dataset (green cells). XWS events represented in the raw traces but filtered by the post-processing parameters listed in section 2.1 (yellow cells) and not represented in either the EWS dataset or the raw traces (orange cells).

	XWS	TRACK	Tempest_Extremes
1	Anatol	yellow	yellow
2	Dagmar_Patrick	green	orange
3	Daria	green	green
4	Emma	green	yellow
5	Erwin_Gudrun	green	yellow
6	Fanny	green	green
7	Gero	green	green
8	Great87	green	yellow
9	Herta	yellow	green
10	Jeanette	green	green
11	Klaus	green	orange
12	Kyrill	green	yellow
13	Lore	green	yellow
14	Lothar	yellow	orange
15	Martin	green	yellow
16	Oratia_Tora	yellow	orange
17	Stephen	green	yellow
18	Ulli	green	green
19	Vivian	green	orange
20	Wiebke	green	yellow
21	Xaver	green	green
22	Xylia	yellow	orange
23	Xynthia	green	green
24	Yuma	green	green
25	u19811102	yellow	yellow
26	u19830118	green	green
27	u19830201	green	green
28	u19840113	green	yellow
29	u19840114	green	orange
30	u19841123	green	green
31	u19860120	yellow	green
32	u19860325	green	green
33	u19861020	yellow	yellow
34	u19880209	green	green
35	u19881129	green	yellow
36	u19900208	green	yellow
37	u19900211	green	orange
38	u19910105	green	orange
39	u19910108	green	green
40	u19921125	yellow	green
41	u19930113	green	yellow
42	u19930123	green	green
43	u19931208	green	green
44	u19950122	yellow	orange
45	u19960207	green	orange
46	u19961028	green	orange
47	u19961106	green	orange
48	u19970328	yellow	yellow
49	u20020128	green	green
50	u20090209	green	green
51	u20111216	green	green