

Review:

The deadliest sudden weather-related events in the Czech Lands, 1851-2025 CE

Brázdil et al

Review comment as of 23 FEB 2026

**General comments:**

Lines 50-51:

The question is, to what extent were road accidents a direct or major result by weather... or by inadequate driving? In most cases, I would assume that weather is an additional factor, but not the exclusive cause for accidents, unless cars were swept away by floodwater.

Lines 66-71 / Lines 76-79:

This section is about to name your data sources. You may only describe the source types of your work. Examples of detailed content are misplaced here, but nice to be given elsewhere in your paper where it fits best.

Line 291:

How come that suicides count as flood fatalities? It's not good to give that sentence without proper explanation. When a person commits suicide, it has nothing to do with the impact of weather, but with an individual decision, and such events should not count in the total number of flood fatalities. You may mean the overall societal outcome and follow-ups of that catastrophe, including people killed/injured during the aftermath work, suicides may also count here, but such should be distinct from people killed by floodwater or in/on collapsing structures.

### **Specific comments:**

Line 21 / Line 31:

Number of fatalities of the July 1997 flood correct? Line 21: 58 in Moravia and Silesia;  
Line 31: 61 in CZ and 54 in PL

Line 28:

Consider: "... at least 189 fatalities..." (Thieken et al, 2023)

Line 63:

Please enter the period you've been covering by newspapers/magazines

Line 80:

"until 1949"... source/reference should be given

Line 136-137:

About "... often at night": Why is that? In case it is an important result to be noted, please give some more details about why nighttime events produce most consequences. If not, leave it out. You can also note in brackets if you may refer to a later section where it is somewhat explained... like: "(see 4.1.1, etc)".

Line 137:

Please leave out the word "terrible". That word is strongly judgmental.

Lines 165-166:

Is it possible to have Bohemian/Austrian Gulden converted into currency which is in use today? Such as CZK or even EUR? It would give the reader a better understanding of the total losses.

Line 205:

About: "corresponding to a 100-year return period" ... source/reference?

Lines 339/360:

Before going into details about what happened in Czechia on 04 July 1929, it would be good to have a short sentence mentioning the huge territory being affected by extremely severe weather that day. You have that briefly mentioned in line 360, but it would be better having that as entrée. The affected area stretched from Lake Constance region up to Wielkopolskie region in Poland, and from the Vienna area up to northern Brandenburg region in Germany. Since there are various historical sources, you may refer to the ESWD (European Severe Weather Database) as background data pool.

Lines 410-411:

You can leave that clause out from the sentence because these historical facts are already given indirectly due to the date given in line 407. In addition, you may mention “World War II” in the first line after the date, so the situation of February 1945 should be clear. Such as: “On the night of 23 February 1945, during World War II, ...”

Lines 416-417:

According to Veselý Výlet, VV38/2013, summer edition 2012, p.16.: 22 soldiers died on the spot (due to the crash or froze to death). Six soldiers survived the plane crash, while one of them died due to exhaustion. Based on that, one counts 23 people and 5 survivors. See also your figure 12/d.

Line 516:

Kühne et al (2025): Four deaths were recorded from Czech Republic in the period from 2001 to 2020. In your line, it reads “Europe” instead of “Czech Republic”. For Europe, the cited paper refers to 1,282 lightning strike fatalities. Please change it accordingly.

Line 516:

What is meant with “... on 6 different occasions.”? You refer to four individual fatalities by lightning, but how come there were six different occasions?

### **Technical corrections:**

Line 28:

use plural (“floods”) since several regions and river catchments were affected in Germany, Belgium, and the Netherlands

Line 29:

Change to “Ahr River”

Line 85:

Change: “..., among other causes” (instead of “and so forth”)

Lines 85-86:

Give “(Fig. 1 a/b/c)” in the text at the end of the sentence before (early line 85). The following sentence is already given in Fig. 1 a/b/c caption. Don’t write down the same things twice.

Line 108:

Note “Wetterzentrale webpage” here, but don’t give such a web link in the paper text like that.

Line 135:

Change: “... most commonly cause fatalities due to...”

Lines 135-136:

Change: “..., mudflows, heart attacks, and incidents occurring during rescue operations, among other causes.”

Line 155:

Change: “... and for 77 (31.5%), the sex of the victims remained unknown.”

Lines 214-215:

Change: “To the 24 fatalities recorded in Prague, one must add a man who drowned in Vrchlice Stream in Kutná Hora.”

Line 237:

Change into: ... ‘Breiter House’ ... Better use inverted comma and capital letters to flag the proper name of that estate.

Line 240:

Change: “..., and in 16 cases (18.2%), the sex was unspecified.”

Line 261:

Change: "..., were flooded."

Line 265:

Change: "... approximately 50 km<sup>2</sup>, encompassing 22..."

Line 266:

Change: "affected" to "... occurred to 680 houses, ..."

Line 266:

Change: "... of farmland, sewer systems, watercourses, ..."

Line 266:

Change: "etc." to "..., and other assets."

Line 291:

Change: "Three additional..."

Line 309-310:

Change: "..., among other causes."

Line 409:

Change: "Dresden-Klotzsche"

Line 519:

Change: "... three catastrophic floods..."

Line 542:

Change: "... these nine events... "