

Nat. Hazards Earth Syst. Sci. Discuss., author comment AC1
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Reply on RC1

Ivana Čavlina Tomašević et al.

Author comment on "The 2017 Split wildfire in Croatia: evolution and the role of meteorological conditions" by Ivana Čavlina Tomašević et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-116-AC1>, 2022

The paper is very well written and could be accepted as is. It is good to see this type of research for Croatia. Below are two very minor comments for consideration:

Response: We appreciate the appraisal from the reviewer, and the support for this study for Croatia that has not been exposed much in the literature. When we prepare the final manuscript we will revise according to these minor comments as in our responses below.

Line 53: Perhaps indicate if this is a regional or otherwise statistic so that readers do not necessarily have to look up the reference.

Response: This statement was based on Strauss et al. (1989), which has validated some theoretical fire size distributions by data from western U.S., and thus regional statistics. We will revised the statement as "Extreme wildfires are rare, based on statistics from western U.S. they account for only 1 % of fire occurrences but cause more than 90% of damage (Strauss et al., 1989)."

Line 60: Perhaps consider adding a more recent critical fire weather pattern publication such as <https://landscapepartnership.org/maps-data/climate-context/cc-resources/ClimatSciPDFs/JFSP%20Extreme%20Fire.pdf/app-download-file/file/JFSP%20Extreme%20Fire.pdf#page=37>

Response: Thank you for the suggested additional reference. We will quote this reference (Werth 2011) in the final manuscript.

General: Perhaps consider summarizing in the conclusions section the uniqueness of the environmental conditions enabling and driving this fire.

Response: Thanks for this suggestion. Perhaps we have not named section 5 well enough. The environmental conditions enabling and driving this fire have been detailed in 5.1, and 5.2 and 5.3 are dedicated to further discussion. For better clarity, we will renamed section 5 as "Summary and Conclusion", and for the sub-sections "5.1 Summary", "5.2 Further discussion on the dynamics of bura" (according to a comment from RC2) and "5.3 Concluding remarks".