

***Interactive comment on* “Summer variation of the UTCI index and Heat Waves in Serbia” by Milica M. Pecelj et al.**

Anonymous Referee #2

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The assessment of bioclimatic conditions in Serbia has been investigated in the present research. This work seems to be interesting and can be accepted for publication after major revisions. The content of the manuscript should be deeply improved in terms of scientific (results, interpretations and discussions) and technical approaches (methodological approach). The content is deemed to be not fully satisfactory to understand the main finding of the work.

Introduction According to the introduction, many studies have been carried out in Serbia. It's important to underline the original contribution of the present research. This part should be improved and some part are difficult to understand Methodological approach Any detailed explanation has been presented in this part. I have not understood the methodology and how the results have been calculated. Then, a more recent me-

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teorological data sets are used for the computation of the UTCI index values for the selected stations. Starting in 1998 should not be enough to calculate the long-term trends. Starting before should be more interesting to identify the trend of such extreme heat waves. Results This part should be more explained. I cannot fully understand the results since the methodology is not detailed. More analysis should be added to explain the main finding of the paper. Parts of Discussions and Conclusions Both parts should be written differently. The work should be discussed with other previous works dealing with extremes in this zone and also other works using the same methodology (if this one is not new.. I don't know exactly since it's not clearly presented).

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-270>, 2019.

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