

Earth Syst. Dynam. Discuss., referee comment RC1
<https://doi.org/10.5194/esd-2021-55-RC1>, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on esd-2021-55

Anonymous Referee #1

Referee comment on "Extreme weather and societal impacts in the eastern Mediterranean" by Assaf Hochman et al., Earth Syst. Dynam. Discuss.,
<https://doi.org/10.5194/esd-2021-55-RC1>, 2021

General comments

This review-based manuscript overviews the extreme weather events and their associated societal impacts in the eastern Mediterranean region -- by Assaf Hochman et al. The paper is generally well-written. The introduction is well-structured with a good story-line explaining the weather and climate extreme processes. The paper covers major extreme events such as temperature, hydrology (heavy precipitation and drought), wind, and a combination of them. Each of these topics are well described, reviewed and interpreted in terms of the physical understanding, observed trend and future projections, and their societal impacts. I found them informative, simple, and well sustained. An extensive and comprehensive bibliography and references are used and cited also. However, the summary seems to be a bit lengthy, I would suggest to make it shorter and concise, as most of them were already discussed in the manuscript. Additionally, I have some minor comments, see below. I hope that these are helpful for the authors. I look forward to reading the revised version.

Minor comments

Line 105: can you please define the symbol here, I guess it should be "omega", right?

Line 273: you may need to cite an appropriate article(s).

Line 575: it is better to move the pdf to the reference section, and just cite it here.

Line 656: you may also add 'hydrologists'; the extremes events such as peak-discharge and flash flooding, could be addressed by specialists in the field of surface hydrology and water-resources management.