

Comment from editor:

Dear authors,

I consider the paper close to be published in ESS. However, you need to adjust the figure to be in line with the typical scientific style in HESS. So, please (1) remove all border lines of your figures, Increase font size of the labels, use darker grey or black for labels and lines, align figures, optimise the legend (do not repeat), make time series readable (in particular in the supplemental materials). In general, Excel is not a good approach to generate figure to scientific publication without further optimisation.

The conclusion reads more like an abstract - please adapt accordingly.

Change numbering and symbols of equations. For example a symbol called PET or IS is not accepted in HESS.

Some minor points: table 7 is difficult to read - rearrange. The reference to some tables is not correct (Table 7 7) page 15.

In general please read the information for authors in detail and change your manuscript accordingly, either wise I cannot accept it for publication in HESS.

Best regards

Markus

Author's response:

We made the following changes according to the manuscript preparation guidelines for authors:

- We made improvements to the figures 2, 5, 6 and B1 in accordance with your remarks and with the Authors' guidelines. The vector figures are in .png format in the text but we have them in .eps and .pdf format as well. We will upload these when requested.
- Labeled and cited figures, equations, symbols, ect.. according to the Authors' guidelines.
- Tables are moved to a separate sheet after the references according to the Authors' guidelines.
- Table 7 is made easier to read.
- Conclusion is rewritten

If you have any further remarks please let us know.

Kind regards,

Vincent and Charlotte