

Interactive comment on “Changing seasonality of moderate and extreme precipitation events in the Alps” by Stefan Brönnimann et al.

Stefan Brönnimann et al.

stefan.broennimann@giub.unibe.ch

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Specific comments

"It would be nice to include a figure on the seasonal cycle of Rx1day in the observations in the supplement with a comment in the manuscript."

This is a very good comment. In the revised manuscript we will add the seasonal cycle of the observations (not only Rx1day, but also the temperature difference between event day and all days). But we will do that in the main manuscript, as additional lines to Figure 2. This shows that CCC400 is doing less well in reproducing the seasonal cycle than some of the model simulations (ENSEMBLES, CORDEX-11). We will also add text to the corresponding places in the manuscript.

C1

Technical remarks:

"Line 12 : Please state if weaker events show under or over the Clausius-Clapeyron scaling."

The scaling is smaller – this sentence will be changed in the revised manuscript.

"Line 107: 'bias-correction' instead of 'downscaling'"

Changed.

"Line 107: The paper of Rajczak et al. 2018 is not accessible"

The reference will be changed; the submitted manuscript will be uploaded with the revised version of this manuscript.

"Line 234: one 'on' too many"

Thanks.

"Line 417: ...annual mean temperature (red) ..."

Thanks.

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C2