

Reply to the editor

Impact of 3D groundwater dynamics on heat events in historical regional climate simulations over Europe

We thank the editor for the additional revision and the comments to improve the manuscript. We agree with the editor's suggestions and have revised the article accordingly.

Specific comments

1. *There is too little discussion. The authors are recommended to include substantial in-depth discussion of their results, mechanisms, potential limitations, and implications.*

Thank you for your recommendation. We have expanded the manuscript and added the discussion section in the revised version.

2. *I do not understand why on the summary section (line 433-438), the authors would list comparisons of numbers as bullet points. These should be presented more effectively in a table in the results section. The summary should highlight the most important take-home messages.*

Thank you for the comment. The summary was rewritten in the revised version of the manuscript.