

Dear Dr Carlson,

Thank you for your comments! I have changed the text accordingly.

Small changes, subject to authors' discretion. These changes can all occur at proof stage.

Line 76,77: Resolve whether “also used for CMIP6” refers to LUH2 or to this new “land cover input dataset”. Most readers will know answer but language as used allows misinterpretation.

*Consequently, we developed a new LUT approach, which also accounts for changes in the distribution of natural vegetation types and urban areas, and generated a new land cover input dataset for RCMs that is consistent with the LUH2 dataset, which is also used in CMIP6.*

Line 112: CRU is ‘geographically’ “out of range” or in terms of temperature terms? Former = yes. Latter I don’t know without checking. Again, language improvements will clarify and assist for general readers.

*The HLZs for the European domain are computed from atmospheric observations of temperature and precipitation taken from the E-OBS dataset and the CRU dataset (outside the geographical range of E-OBS range).*

Line 673: Title “Appendix A” should appear here of at head of appendix tables on page 47?

*Thank you! It is fixed now.*

Thanks authors for patience and persistence!

Best regards

Peter Hoffmann