

Interactive comment on “Uncovering the shortcomings of a weather typing based statistical downscaling method” by Els Van Uytven et al.

Anonymous Referee #2

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The study aims to evaluate different common assumptions inherent statistical downscaling methods (SDMs). The overarching goal of this study is certainly an important one. However more needs to be done to increase the scientific significance of this study. My few main comments are below:

(1) Why focus on WT based SDM only? Why not choose at least one more type of statistical downscaling method such as Bias-correction and Spatial downscaling method, which is a widely used SDM. I think inclusion of at least one more SDM would allow the study to more appropriately address the overarching goal.

(2) The SDM method needs to be described better. Please consider including the section S1 into the main script.

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(3) Please also clarify in greater details the novelty of this study and implications beyond the study domain.

(4) I also think the manuscript can benefit from a thorough copy editing.

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