

Editors report 7 November 2025

Dear authors

Thank you very much for the thorough revision. I have asked one of the referees, and I agree with their assessment that the manuscript has improved substantially. The referee has only one remaining concern. Because the newly included additional climate model runs show results that are opposite to those produced by the model used previously, the referee suggests making this uncertainty even more prominent throughout the manuscript (in the abstract and the results).

Alternatively, please mention this new outcome in the abstract and also discuss it in the "Limitations of the study" section.

In response to the recommendations made by the reviewer and Editor, we have now included additional text in the abstract and sect. 4.3 "Limitations of the study" to emphasise the uncertainty in the projected changes of ROS across Svalbard as demonstrated by the results of our analyses of two additional 11km-scale projections. We hope these changes are satisfactory.