Interactive comment on "Statistical post-processing of ensemble forecasts of the height of new snow" by Jari-Pekka Nousu et al.

Anonymous Referee #2

Received and published: 5 July 2019

The authors apply ensemble model output statistics (EMOS), which is well established in precipitation forecasting, to new snow height forecasts from the French ensemble snowpack modeling system, which is a novel approach. The authors can also demonstrate skill of the EMOS for their application. An interesting aspect of the manuscript is the comparison of the EMOS on two different scales and the conclusions the authors draw from this comparison (application of the EMOS to not-observed locations). Another strong aspect of the manuscript is the discussion of the limitations of the method in an operational context.

The manuscript is well structured, well written, the experimental setup is suitable, and the results support the conclusions. Therefore, and since it presents a novel approach, the manuscript is suggested for publication.

C1