

Editorial comments

Dear authors

Your paper is a very comprehensive assessment of the climate change impact on ski resorts using state-of-the-art methods.

I am very pleased with the revisions you made and recommend accepting your manuscript once you have addressed some minor technical corrections.

Page 5, Fig. 1: Please explain in the caption what “BD Stations” refers to. “Ski lift power” on the left y-axis.

Page 6, Fig. 2: Please use the same units for ski lift power as in the main text: km pers h⁻¹. In the caption: ski resort elevation

Page 16, Fig. 5: Please use the same units for ski lift power as in the main text: km pers h⁻¹.

Some editorial suggestions:

Page 1, line 8: While 99% of ski lift infrastructures are reliable for snow ... may face difficulties in the near future.

Page 1, line 10: ... with either steady conditions ...

Page 1, line 17: This prompts the question of how climate change affects ski resorts and the ability of snow making as adaptation measure.

Page 1, line 19: “100-days rule” (cf. page 7, line 14).

Page 2, line 6: ... single point representations...

Page 2, line 12: elevations, between which 75% ...

Page 3, line 25, ski lift installation

Page 4, line 3: the *mean ski lift elevation* ... and several times elsewhere in the manuscript

Page 4, line 13: ski resort characteristics (same as *ski lift infrastructures*)

Page 5, line 14: 1.2×10^{-3}

Page 6, line 12: elevation

Page 7, lines 20-21: in cases when the season length ... was longer, shorter Elevation

Page 9, line 17: season when natural snow conditions

Page 10, line 3: Due to snowmaking the median elevation increases by 700 m in ...

Page 11, line 8: ... suffer from the decrease in periods suitable for snow making.

Page 13, line 12: critical situation

Page 17, line 14-15: ... might be considered in a critical situation since technical reliability cannot...

Jürg Schweizer