

Dear authors

I am pleased with your replies to the reviewer's comments. In agreement with the reviewers I still see room for more concise presentation of your research. Moreover, the manuscript would definitely profit from some rigorous editing. Nevertheless, I am prepared to accept the manuscript after some technical corrections. Below you will find some mainly editorial comments (not exhaustive).

Page 1, line 18: "elevation" is the preferred term (several time elsewhere in the manuscript)

Page 1, line 30: "snow duration" or "snow season" is the preferred term (several time elsewhere in the manuscript)

Page 1, line 29: I suggest replacing "anticipating" (several time elsewhere in the manuscript)

Page 1, line 31: I suggest rewording: ... the snow melt-out was 18 and 11 days earlier, respectively.

Page 1, line 32: I suggest rewording: ... is expected to reduce snow cover duration

Page 2, line 16: snowmelt, "one month of earlier snowmelt",

Page 3, line 14: ... most dust depositions occur by wet deposition (mainly snowfalls)...

Page 3, line 20: "snowfalls" (several time elsewhere in the manuscript)

Page 3, line 26: "snowmelt" (several time elsewhere in the manuscript)

Page 3, line 28: "accelerated snowmelt due to dust ..." (several time elsewhere in the manuscript)

Page 4, line 1: the study site ... at an elevation...

Page 4, line 21: Unclear what you refer to, suggest rewording.

Page 5, line 5: during the hydrological years 2013-2016 (several time elsewhere in the manuscript)

Page 5, line 20: "snowpack"

Page 5, line 37: "snowfall"

Page 9, line 18: ...buried by subsequent snowfalls.

Page 9, line 20: ...is resurfacing towards the end of the season, ...

Page 10, Figure 3 and 4: Labels (a,b,c,...) in figures are missing.

Page 10, Figure 3: I suggest changing units for dust flux (to replace 10^{-8}).

Page 10, Figure 4c: Can you please explain why the RMSE is smaller for the Crocus simulations without considering LAPs than for the simulations considering LAPs.

Page 10, lines 13-14: Suggest rewording.

Page 11, line 1: local larger particles?

Page 12, line 3: point measurement

Page 12, line 30: I suggest replacing "snowfields" (and elsewhere in the manuscript)

Page 14, line 14: measured continuously

Page 15, line 37: shown

Page 19, line 2: I suggest replacing “anthropic” by “anthropogenic” (and elsewhere in the manuscript)

Page 19, line 6: Unclear, suggest rewording.

Page 19, line 27: ... on snowmelt at a high-elevation site...

Page 19, line 28: Unclear, suggest rewording.

19 March 2019

Jürg Schweizer