

We thank the reviewer for taking the time to reassess our manuscript. We greatly appreciate the reviewer's patience with us throughout this lengthy revision process, which has helped make this manuscript a sounder and more solid publication.

6: suggested revision ..around Davos, in the eastern Swiss Alps,... orDavos, Switzerland,...

Done, thanks.

16: suggest the use of more technical language for “additional hints”

Done, thanks.

24: replace “have been found to increase in frequency” with “are increasing in frequency”

Done, thanks.

24: replace “they are” with “remain”

Done, thanks.

36: correct typo in Agency

Done, thanks.

52: the reference for SWS appears to vary in the manuscript text. In the abstract it is “Copernicus Land cover monitoring” whereas here it is “European Environment Agency”. Please clarify/correct.

Thanks, in the abstract, where we give no formal citation, we name the data source by its service, "Copernicus Land Monitoring Service." In the main text, we cite the data publisher, "European Environment Agency,". We improved the reading flow a bit to make this more clear and hope it should now be according to the required standards for The Cryosphere.

53: delete nowadays

Done, thanks.

73: Clarify whether the “complex topography” is associated with the town of Davos or the surrounding mountains/region.

Done, thanks.

77: insert:with elevations that range between....

Done, thanks.

84: intercantonal measurement and information system is capitalized elsewhere; please check and correct.

Done, thanks.

179: delete “a” given plural analyses

Done, thanks.

235 and throughout manuscript: dates are presented in numerous formats. For example, 2017-2018, 2017/18, MM.YYYY, DD.MM., 08.2018-07.2019, Month written out (May, June...), DD.MM.YYYY. To the degree possible, I suggest standardizing this throughout the manuscript text and figure labels.

Done, thanks. We changed all the seasons to format: 2017–18. To facilitate reading, all the months are now standardised to be fully written out when in main text (e.g. August) and in all figures and brackets set to format MM. (e.g. 08.).

247: Pearson’s and Spearman’s have inconsistent apostrophe usage in the text. Please check and correct.

Done, thanks.

Figure 4. x-axis label: replace Time with Date

Done, thanks. Also for Figs. 2, A2, A3, A6 and A8 accordingly.

Figure 4 caption: would counts be more specific than “amount”?

Done, thanks.

303: in-situ is not italicized here, while this is done elsewhere

Done, thanks.

454: replace “upcoming” with “recently launched” or “current”

Done, thanks.

Figure A9. X-ticks overlap in MS Sublimation panel

Done, thanks.