

Interactive comment on “Development of glacial lakes and evaluation of related outburst hazard at Adygine glacier complex, Northern Tien Shan” by Kristyna Falatkova et al.

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The present research work is nicely written, well presented and can be considered for further publication, but I have some minor queries,

- 1) The area, length and depth of given glacier lakes are based on ground based surveys and satellite images, but no uncertainty or accuracy of these measurements is given in the text, ??
- 2) The climate change scenarios refer to old AR 3/4 time (A1B etc.), as now IPCC 5 report is also already over and CORDEX data (with RCPs 4.5/8.5 etc) can be used to

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get the latest climate change scenario or As per upcoming IPCC 6 AR, the temperature change of 1, 1.5 and 2.0 degree, along with precipitation change, can use used for future climate simulations, and its impact on glacier lake evolution

- 3) The GPR profiles can be shown along two surveyed lines, A and B
- 4) Final glacier lakes hazard map can be shown as a figure

Kind Regards,

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