Interactive comment on “Local land-use change based risk estimation for future glacier lake outburst flood” by S. Nussbaumer et al.

Anonymous Referee #2

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This is an interesting manuscript, addressing the issue of anticipating risks related to climate change. The interest of the approach is due to the following reasons: 1) it considers both physical and socio-economic changes, thus climate change consequences on hazards (in this case GLOF) are combined with scenarios of expected socio-economic developments; 2) it is based on semi-quantitative scenarios, that take into account uncertainties related to both climate and socio-economic changes; 3) it tries a downscaling to a local scale, that is the one needed for planning, versus a more general approach, like the just published paper by Gruber & Mergili, in this Journal.

A couple of general comments are the followings: - even if I understand the complexity of the topic, I find the references a bit overwhelming, because of their number; - I find that in table 1 and 3 the lines should have some space between one and the following, if not they are not easy to be read.

Specific comments are in the attached revised version of the manuscript

Please also note the supplement to this comment:

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 4349, 2013.