



Interactive
Comment

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

Anonymous Referee #2

Received and published: 9 November 2013

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,

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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:

<http://www.nat-hazards-earth-syst-sci-discuss.net/1/C1663/2013/nhesd-1-C1663-2013-supplement.pdf>

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

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