

## ***Interactive comment on “Assessing the interaction between mountain forests and natural hazards at Nevados de Chillán, Chile, and its implications for Ecosystem-based Disaster Risk Reduction” by Alejandro Casteller et al.***

### **Anonymous Referee #2**

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This is an interesting paper dealing with the assessment of the interaction between mountain forests and natural hazards in Chile, with a special focus on snow avalanches. The paper is well written and organized. A few remarks have been listed below: Title: The title should be more detailed: The papers in fact deals with snow avalanches and to a smaller extent to other natural hazards. Pag 1 Line 3: Change more into most Pag 1 Line 28: I suggest to add snow before sheds Pag 2 Line 5: Do you mean interaction with the people living in mountain areas? Pag 2 Line 37: Change into to better understand the triggers and dynamics of such natural hazards Pag 2 Line

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39: Do these services could be considered as ecosystem services? Pag 2 Line 40: Change timer into timber. What kind of food native forests provide? Pag 3 Line 28: Why did you not include the description of the study area and of the biogeographic setting in the Materials and Methods section? Pag 4 Line 12: What is the elevation of the weather station? Pag 4 Line 13: Does this value of precipitation include the snow water equivalent? Do you have data about rainfall intensity in the area? I think this parameter could have an effect of debris flow phenomena. Pag 4 Line 21: Change inceptisols into Inceptisols. Add as a reference: Soil Survey Staff, 2014. Soil Survey Staff: Soil taxonomy, Twelfth Edition, USDA, Washington DC, USA, 2014. Pag 5 Lines 13-16: I think these sentences should be moved to the results section Pag 8 Line 12: Do you mean artificial afforestation? Pag 8 Line 18: Change natural disasters into natural hazards Pag 8 Line 36: Change into reactions wood Pag 9 Line 16: Delete : after RAMMS Pag 9 Line 33: see comment on Pag 1 Line 28 Pag 10 Line 4: Delete . Fig 4: Please in the caption add the meaning of the different colors. Fig 6: Please in the caption specify the meaning of the green points.

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