Solid Earth
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Discussions

Interactive comment on "Predicting parameters of degradation succession processes of Tibetan *Kobresia* grasslands" *by* L. Li et al.

Anonymous Referee #3

Received and published: 16 September 2015

Dear Author/s

I think that your manuscript presents a very interesting approach in order to predict different parameters of grassland degradation. Hhowever, I would suggest the authors to please revise the English (for further details please check the comments below). I think that the paper should be revised taking into account the following comments (mainly technical corrections):

INTRODUCTION:

L6 (2187)–>Serrano Muela et al., 2015 (I think those authors write about rainfall events and patterns, not vegetation. Please revise it) L1-L7 (2187)–> Try to rewrite the paragraph as it is a bit difficult to read. Mainly due to the amount of references in the first

sentence. L12 (2188)–> 'and so on' Please change as it sounds informal

MATERIALS AND METHODS:

L20 (2191)–> Did you only measured one month (August 2009)? How representative is it? In my opinion, having only one month of measurements can not give all the spatial variability and capture the heterogeneity. L16 (2192)–> Following which method? I mean maybe a reference here to understand why 80°C and the time?

RESULTS

L7 (2193)–> 'The important values of...' Instead of saying that, I would suggest the authors to say: The highest values were XXX presented in XXXX L8 (2194)–> The mattic epipedon was destroyed because temperatures changed? Did it affect to plant succession?

DISCUSSION

L18 (2196)–>Which environmental factors changed? L23-24 (2196)–> Increase the number of dead roots= root degradation= increase the amount of nutrients in the soil. If increase the nutrients on the soil= more root activity from new roots? Try to give a more convincent explanation for this process.

FIGURES

Figure 3–> Try to improve as the Y axe legend is too close to the values Figure 4-5-6-7–> Please try to improve the quality (resolution) of the figures. For instance, it is q bit difficult to see the PCA values.

Interactive comment on Solid Earth Discuss., 7, 2185, 2015.