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Solid Earth Discussions
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Interactive comment on "Soil-landscape relationship in sandstone-gneiss topolithosequence in Amazonas, Brazil" *by* Julimar da Silva Fonseca et al.

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TO THE REVIEWERS We, the authors, appreciate the valuable arguments and contributions for the improvement of the article: Soil-landscape relationship in sandstone-gneiss topolithosequence in the Amazonas state, Brazil. We have communicated that all the suggestions have been adhered to and we hope that they will be able to attend to the publication. DISCUSSION 2:

Discussion 2: The paper needs major changes. The English must be reviewed. Answer: All the text has been revised and the English has been improved. Discussion 2: Besides the recent references, these is a general absence of international citations

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and the authors are highly advised to adopt it. Answer: The text was adjusted and international and updated references were used.

Discussion 2: The goals are not clear. The study area must be in one specific chapter. Answer: The text has been improved in order to make the objective clearer.

Discussion 2: Please, reclassify landscape segments based on real landscape elements (topographical, biogeographical, geomorphological); upper third and lower third are not landscape units. Answer: The topographical units were classified as suggested by the reviewers.

Discussion 2: There are no discussion chapter in the manuscript and therefore the results must be divided from the explanation information. Answer: The concern with the separation of results and discussion in different topics is understood, however the absence of the topic discussion is justified since it is a criterion of the journal, where it only indicates "results" in its guidelines for authors, being the discussion inserted into the results.

Discussion 2: L14-16 – Please, make it easier to understand? Answer: The paragraph was revised and the text was altered and facilitating the understanding.

Discussion 2: L 17 – In “the” Amazonas. Please, consider this comment to all the manuscript. Answer: Was verified throughout the text and the modification was carried out.

Discussion 2: L18 – I don’t understand the expression “softer” here. Is missing something. Answer: The term was changed to "lower part".

Discussion 2: L18 – Are you sure that is 9.253 m? In English, the point (.) is decimal separator and not a thousand separator. Answer: The error was detected and corrected in the text. Discussion 2: L20 – Were used to.? Answer: Used to characterize and classify the different environments in question, this way the passage was also added to the text.

Discussion 2: L29-L30 – reference needed Answer: The phrase was referenced.

Discussion 2: L30-L32 - reference needed Answer: The phrase was referenced.

Discussion 2: L32-L34 – the sentence must be improved. Too much ideas, please make it simple. Answer: To improve the understanding of the paragraph it was revised and rewritten, making both ideas clear.

Discussion 2: L37 – Is this reference the only one supporting the scientific statement in case? Please, classical references are also valid. Answer: Other authors who agreed with the same idea were sought and, considering current citations, other references were added.

Discussion 2: L37-40 – Ideas are not well connected. Answer: The paragraph was rewritten seeking a connection between the lines of reasoning.

Discussion 2: L42 – Is it Campos et al, 2012 the only one to refer this affirmation? Answer: Looking for other sources other references have been added.

Discussion 2: L42-43 – I don't understand the sentence: "Thus, the relief, although considered a supporting factor". Please, rephrase. Answer: The sentence was reformulated and rewritten to improve quality and understanding.

Discussion 2: L59 – Avoid the same word twice in one sentence. Answer: The error was verified and corrected and thus deleted the word. Discussion 2: L66-67 – Please give us specific goals of the paper. Answer: A specific objective of the work was elaborated and inserted in the last paragraph of the introduction.

Discussion 2: L68 – The characterization of the physical environment (or your study area) should not be included in the material or method. Please, give a specific chapter for the studied area. Answer: The topic was divided into a separate item of materials and methods.

Discussion 2: L70-L72 – I don't know this code means. Please, rephrase according

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with coordinates, river basins and elevations. Main cities can also be included. Answer: The codes were explained and demonstrated what each means in the text, ex: RO means Rondônia state.

Discussion 2: L74-75 – Please, provide the information about the collection data: station and collection period. Answer: Both were added to the text, with the collection carried out in the autumn and during the Amazonian winter, where there is a greater intensity of rainfall.

Discussion 2: L79-81 – Two much ideas in the same sentence. Please, divide in two main sentences: upper and lower areas. Answer: The ideas were subdivided in the text, as well as explained both ideas.

Discussion 2: L79-80 – Please, avoid redundant information. Delete “which exhibit flat topographic surfaces”. Answer: the sentence in question has been removed from the text.

Discussion 2: L84 –References must be improved. Are you sure that these documents are called BRASIL or ZEE? Please, find the entity of the name of the national report to be more specific. Please confirm that there isn’t further work on geology of biogeography/ecology in the study area? Answer: References are correctly cited, and others with the same focus and idea were added to the text, reinforcing the affirmation during the paragraph.

Discussion 2: L85 – This sentence can be improved. Answer: It was verified, read and rewritten, improved and then added to the text, without losing the main idea.

Discussion 2: L90 – Sure that is only 9 m? The figure shows 9253 m. Answer: The point "." it was used in an erroneous way due to a translation error, but the course of the text was fixed.

Discussion 2: L97 – What is the criteria used to divide the landscape in those groups? Please, show landscape elements to cluster it. Answer: The elements of the landscape

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used to determine and distinguish these environments were the topographic (different altitudes), as well as the changes in vegetation as the transect travels.

Discussion 2: L150 – Which locality? Please, be specific. Answer: The locality was added to the stretch, being in the municipality of Manicoré, in the state of Amazonas in Brazil.

Discussion 2: L151-512 – Please, remove “action that occurs”. Answer: The sentence has been removed.

Discussion 2: L153-154 – This is not the result of your paper; this is the discussion. Besides that, please connect ideas in the discussion, you should show how the lowest terrain where floods occur (food plain) is connect with the hypothetical units of the hill-sides proposed by Dalrymple et al., (1968). Answer: As the suggestion was accepted and modified in the text.

Discussion 2: L155 – I would take “and mapped”. Answer: As the suggestion was accepted and modified in the text.

Discussion 2: L156-157 – Please, I don’t understand it. If it’s hillside, how can be represented by the top? Those are different geomorphological units. Please, clarify: upper areas? highest section? Answer: As the suggestion was accepted and modified in the text. Discussion 2: L159 – Transport foothill? I don’t know what it means. Please, rectify. Answer: As the suggestion was accepted and modified in the text.

Discussion 2: L162 – Remove “than the top”. Answer: The sentence has been removed.

Discussion 2: L165 – The word “evidence” do not have plural in English. Answer: The translation error was identified and corrected in the text.

Discussion 2: L204-209 – In the depth there are “+” and “+”, are they different? Please homogenize the information. Answer: Both have the same meaning, but due to a computational error they left in an erroneous way, however it was corrected in the text.

Discussion 2: L333 – Please, homogenize the citations. Now is with capital letters? Answer: All citations in the text were verified and the modifications to the journal's rules were made.

Discussion 2: L334 – Correct it please. Answer: It was accepted and modified in the text.

Discussion 2: L413 – Correct it please. Answer: It was accepted and modified in the text.

Discussion 2: 446-459 – Please, I advise to add initial space to each reference. Organize accordingly to the journal guidelines. Answer: The references were viewed one by one and formatted as requested.

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