



SDI Review Form 1.6

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| Journal Name:            | <a href="#">Journal of Geography, Environment and Earth Science International</a>   |
| Manuscript Number:       | Ms_JGEESI_55452   |
| Title of the Manuscript: | Mapping of pyroclastic density currents hazards and assessment of related risks by AMS technique in the West-Cameroon Highlands: case of Bambouto and Bamenda volcanoes |
| Type of the Article      | Original Research Article   |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

|                                     | <b>Reviewer's comment</b>   | <b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|-------------------------------------|---|--|
| <b>Compulsory</b> REVISION comments |   |  |
| <b>Minor</b> REVISION comments      | <ul style="list-style-type: none"> <li>• Abstract:               <ol style="list-style-type: none"> <li>1- What are the units (21.12 - 0.50 Ma) and (27.40 - 0 Ma)? You may type the definition of this symbol/acronym like others.</li> <li>2- Is the volume of the volcanic materials important for your study? I think the thickness and structure is more important.</li> </ol> </li> <li>• Introduction:               <ul style="list-style-type: none"> <li>- The references [15, 19, 46, 47] are missing in the text.</li> <li>- Please, identify these units (mlT) and (mlBr).</li> </ul> </li> <li>• The values in the topics "<b>The welded ignimbrites and The non-welded ignimbrites</b>" are your measurements/results? If yes, it should be in the Analysis and Results section. If No, it should be referenced.</li> <li>• The equations you used in the topic "<b>3. SAMPLING METHOD AND AMS MEASUREMENTS</b>" it will be useful if you typed as equation format. Also, it will be useful if defined the AMS techniques in this section.               <ul style="list-style-type: none"> <li>- Please, identify these units of "paramagnetic (Km &lt; 500 μSI) and ferromagnetic (Km &gt; 500 μSI)". I prefer to add a table includes these units/acronyms and their definitions.</li> <li>- Please, rearrange the figures' numbers where fig.6 came before fig. 5.</li> </ul> </li> <li>• What are the units of the values in the section "<b>Results and Discussion</b>"/ <b>4.1.1. Bambouto volcano</b>? Why is in the red text?               <ul style="list-style-type: none"> <li>- In the "mapping" section, I think the "humans" is suitable than "inhabitants (Children, men and women),"</li> <li>- In the "Assessment" section, delete the highlighted section.</li> <li>- It will be useful if you add the equivalent \$USD of the value "8.5 billion FCFA" as the budget calculated.</li> <li>- Table 1. doesn't mentioned in the test.</li> </ul> </li> </ul> <p>In the "Conclusion" section, "(1,200,000 inhabitants) increases the level of risk", should be <b>increasing the vulnerability level. Therefore, the risk will be high if the hazards will happened.</b></p> |  |
| <b>Optional/General</b> comments    | <ul style="list-style-type: none"> <li>• It will be useful if you define/calculate the areas of the hazards, vulnerability and risk zones as the results of maps in table(s).</li> <li>• I propose to add a table includes these units/acronyms and their definitions.</li> </ul> <p>I propose to recheck the spilling of the text.</p>   |  |



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**PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---|--|--|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

**Reviewer Details:**

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|----------------------------------|-------------------|
| Name:                            | <b>Ali Amasha</b> |
| Department, University & Country | <b>Egypt</b>      |