

### Review Form 3

Journal Name:	<a href="#">Journal of Geography, Environment and Earth Science International</a>
Manuscript Number:	Ms_JGEESI_124683
Title of the Manuscript:	Flood incidence and sustainable development planning implications in Santchou, Cameroon
Type of the Article	Original?

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>The topic '<i>Flood incidence and sustainable development planning implications in Santchou, Cameroon</i>' is relevant in contributing to the knowledge on flood impact within Sub Saharan Africa, in light of global goals.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title could be suitable if the '<i>sustainable development planning</i>' is highlighted properly in the manuscript, otherwise author(s) could consider Spatio temporal analysis on flood incidence in Santchou, Cameroon</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The abstract summarises the study however the following issues should be addressed:</p> <ul style="list-style-type: none"> <li>▪ It has lengthy sentences which diminishes clarity of thought. It is advised that some sentences should be made short.</li> <li>▪ Check and correct punctuations</li> <li>▪ There are repetition of words</li> <li>▪ There is inconsistency of font sizes, address these.</li> </ul>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The subsections and structure is mostly appropriate however the analytical framework needs some more work.</p> <ul style="list-style-type: none"> <li>▪ Authors should rephrase sentences for clarity</li> <li>▪ Assertions in Analytical framework needs to be backed by comprehensive literature</li> <li>▪ What were the steps taken to arrive at the analytical framework? It is unclear in your text</li> <li>▪ Rework the design and neatness of the framework</li> <li>▪ Sustainable development planning is not covered clearly in the analytical framework and introduction</li> </ul>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>There is a clear attempt to follow scientific principles which underpins research. However the methodology requires more clarity in writing. Below are a few comments which could improve the scientific correctness of the manuscript.</p> <ul style="list-style-type: none"> <li>▪ What is the basis for choosing Santchou? What were the inclusion and exclusion criteria for choosing this specific case?</li> <li>▪ Provide Reference for figure 2</li> <li>▪ Define quarter heads, are they the same as household heads?</li> <li>▪ '<i>our research group was able to identify five communities which were targeted for this study (Bessouck, Kassala Farm, Madagascar, Behind Albatross and Santchou Ville).</i>'</li> <li>▪ Define the boundaries of Santchou properly in 3.1 to assist readers to contextualize the area properly. Are the communities under study suburbs within Santchou?</li> <li>▪ How did the author(s) arrive at 141 respondents for the random size sampling? Breakdowns have been provided however why was the ultimate size 141 respondents?</li> <li>▪ Author(s) needs to be clear of the role of QGIS and ArcGIS, it seems both were used for analysis? Why?</li> <li>▪ What does informed consent mean? Was it written down and signed? Or it was verbal?</li> <li>▪ Temporal considerations should be stated clearly with accompanying reasons eg. 2000-2024?</li> <li>▪ Generally, the philosophy of methodology is not clear</li> <li>▪ Be consistent with the use of font types and sizes, as if stands different font sizes and types have been used in the manuscript</li> <li>▪ Decide whether you will stick to the British spelling or American spelling and be consistent in its application</li> <li>▪ Reference for Table 3 the impacts of Floods Occurrence. If it is the author's field work, how did the author obtain the figures for 2014 and 2024? So it would mean this presents the perception the respondents of the communities.</li> <li>▪ '<i>In Figure 4.61%</i>', rephrase for clarity</li> <li>▪ Replace Lecce (2000) and Gamble (1997) with current reference. As much as possible a contextual reference either in Cameroon or West African region or SSA would be preferred.</li> <li>▪ '<i>Considering monthly variation, the months of July and August were reported to be the months of intense flood incidence both in the past (2014) and in the present (2024).</i>' Provide reference</li> <li>▪ '<i>For instance, 32,6% of the respondents rated the impacts of floods on houses in 2014 as very severe and t 41.1 % rated the impacts on houses as very severe in 2024.</i>' Clarify statement</li> <li>▪ Check in text referencing</li> <li>▪ How does the analytical framework relate to your findings and discussions?</li> <li>▪ '<i>Firstly, flood occurrence vary spatially in terms of severity, with very high intensity to the Southeast decreasing towards</i></li> </ul>	

**Review Form 3**

	<i>the northwest and western sections of the study area</i> . Contextualize it by using the names of the towns within these areas.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	References are sufficient but a few references are rather old. Also, EM-DAT(2021) has not been referenced in the bibliography(reference list)	
<u>Minor</u> REVISION comments  <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes but it requires some polishing. Manuscript needs to be improved in regards to, in text referencing, sentence construction, punctuation and any unnecessary text which does not contribute to the topic of the manuscript should be removed.	
<u>Optional/General</u> comments	<p>These are notes for introduction of the manuscript:</p> <ul style="list-style-type: none"> <li>▪ Improve spacing between in line text (on the same line), issues of punctuations run through the introduction makes it difficult reading</li> <li>▪ <i>'Furthermore, earthquakes as a natural hazard, accounted for at least 1.3 million deaths between 1990 and 1988 (Alexander, 1996, Smith, 1989).'</i> Replace with current reference.</li> <li>▪ Syntax, subject verb agreement should be checked</li> <li>▪ Check the punctuation for in text referencing. There is in consistency in 'styling'.</li> <li>▪ Correct repetition of words in the text eg. as well as</li> <li>▪ Correct misspelt words- eg. off course instead of, of course</li> <li>▪ <i>'Scholars have demonstrated that floods are responsible for major disruptions with widespread implications for economic activities, livelihoods and access to services in different parts of the world'</i> (Douglas, 2017). Kindly enumerate the scholars to support your statement, as it stands there is only one reference.</li> <li>▪ <i>'While previous studies on floods have focused on the determinants of floods, their consequences and coping strategies at macro levels, data context specific studies at micro scale are still lacking.'</i> Statement should be rephrased for clarity.</li> <li>▪ <i>'Secondly, many Cameroonian towns are witnessing significant urbanization with attendant repercussions such as the increase in flood incidence.'</i> Provide source for this statement</li> <li>▪ <i>'(a) analyze the spatio temporal variations of foods'</i>. Correct the spelling in this statement. I believe the author(s) intend to write floods?</li> </ul>	

**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:**

Name:	<b>Elom Ayeke</b>
Department, University & Country	<b>Ho Technical University, Ghana</b>