

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Advances in Agricultural Research</b>
Manuscript Number:	<b>Ms_AJAAR_115921</b>
Title of the Manuscript:	<b>CLIMATE RISKS OF IRRIGATION DEVELOPMENTS IN THE NARIARLE SUB-WATERSHED IN Koubri, NANKANBÉ BASIN, BURKINA FASO</b>
Type of the Article	

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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (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)
<p><b>Compulsory REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p><b>Abstract</b> The abstract provides a clear overview of the study's objectives, methodology, and key findings. It effectively highlights the significance of assessing climate risks in irrigation developments in Burkina Faso. However, it could benefit from more specific details on the methods used in the field surveys with farmers and the types of climate risks identified.</p> <p><b>Introduction</b> The introduction presents a comprehensive overview of the global context of climate change and its impact, particularly emphasizing its relevance in Burkina Faso. It effectively sets the stage for the study's focus on irrigation developments in the Nariarlé sub-watershed. However, it could be enhanced by providing more specific background information on the current status of irrigation schemes in Burkina Faso and the challenges they face due to climate risks.</p> <p><b>Material and Methods</b> The section provides detailed information on the study area, including maps and descriptions of irrigation schemes. The use of maps and coordinates enhances the clarity of the description. However, it could benefit from a clearer delineation of the methodology used in the field surveys with farmers, such as the sampling strategy and data collection methods. The diagram label should be below it not on top.</p> <p><b>Results</b> The results section effectively presents the findings of the study, including the assessment of climatic hazards, exposures, vulnerabilities, and risks in irrigation schemes. The use of tables and maps helps to visualize the data and facilitates understanding. However, the interpretation of the results could be strengthened by providing more detailed analysis and discussion of the implications of the findings.</p> <p><b>Discussion</b> The discussion section provides a thorough analysis of the study's findings in relation to existing literature and theoretical frameworks. It effectively highlights the significance of the results and their implications for adaptation strategies. However, it could be improved by providing more critical analysis and interpretation of the findings in light of the study's objectives.</p> <p><b>Conclusion</b> The conclusion summarizes the key findings of the study and provides recommendations for future research and adaptation strategies. It effectively highlights the significance of the study's findings for addressing climate risks in irrigation developments in Burkina Faso. However, it could be strengthened by providing more specific recommendations for policymakers and practitioners in the field.</p> <p>Overall, the manuscript provides valuable insights into the climate risks faced by irrigation developments in Burkina Faso. However, it could benefit from more detailed explanations of the methodology used and more critical analysis of the findings. Additionally, providing more specific recommendations for future research and adaptation strategies would enhance the practical relevance of the study.</p>	
<p><b>Minor REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>The language used by the author is professional, but not explicit enough</p>	
<p><b>Optional/General</b> comments</p>		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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