

Review Form 1.7

Journal Name:	Journal of Geography, Environment and Earth Science International
Manuscript Number:	Ms_JGEESI_111082
Title of the Manuscript:	Pixel-based trends mappings in the Guinea Region of West Africa: Integrating Remote Sensing Data and MODFLOW Modeling for Sustainable Resource Management and Monitoring
Type of the Article	

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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes, it is very interesting to combine remote sensing and groundwater modelling in order to highlight the complex interactions between climate change and groundwater resources.</p> <p>Yes, it is</p> <p>Yes, it is</p> <p>Generally, the structure of the manuscript is appropriate, but I suggest to change some titles the manuscript is correct scientifically, the number of references is sufficient</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>English quality of the article suitable, but some phrases should be controlled</p>	
<p>Optional/General comments</p>	<p>The paper is showing good results and contains the most elements required for completed research. Therefore, this work should be accepted after major revision.</p> <p>The paper fulfills a standard analysis of pixel-based spatial-temporal trends assessment of groundwater mappings using an integrated approach that combines remote sensing data with MODFLOW modelling. This paper presents a new good case study using real and new data The authors mention correlations between various environmental parameters. The interpretation of results is though not clearly expressed, due to the lack of combination of the environmental parameters and the statistical analysis, the geomorphology and lithostratigraphic units . The authors is invited to make this point clearly by adding the main geomorphological features, and giving a short description of the first and second lithostratigraphic units The paper requires major revision before being considered for publication.</p>	

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PART 2:

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

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