



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_9211
Title of the Manuscript:	URBAN SPRAWL ANALYSIS AND TRANSPORTATION USING CELLULAR AUTOMATA AND MARKOV CHAIN

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>I still submit that the abstract is not adequate. An abstract is supposed to give a clear picture of the research and not leaving one to guess work. Particularly with omissions like sources of data and analysis type, discussions on findings and a major omission on transportation and just indicating 'was discussed'. Is it only built up parameter that indicates sprawl?</p> <p>There is supposed to be an overlay as well as a change trend analysis between 1984 and 2006 which was omitted.(this in no way calls for repetition except if you don't understand whats expected of you) this is important because the actual change is between the base year and the last year.</p> <p>Based on line 271 when do we know rates are reduced or increased from figures in table 4? Explain the rates.(the explanation is not sufficient as your figures for LCR did not increase but decreased from 0.032 to 0.022. cross check and explain.</p> <p>The researcher said this research was done in 2011 but cites Agoke Onojegho and Alex 2013 as collaborators to his findings.</p> <p>Nobody asked you to cite references on areas removed, rather citation without proper referencing was mentioned.</p> <p>Line 94 is not clear and has nothing to do with summary, do cross check and capture.</p> <p>Do you mean the journal allows citation of all three authors names? When does it become et al?</p> <p>So why did you still clarify is the greatest? If what you wrote was sufficient?</p> <p>Fig 8 is not clear. We have built up areas for 2000 appearing twice as colour blue and green. Again what's others? There are some colours that are not in the legend.</p> <p>In fig 11 what does blue stand for?</p> <p>As for your referencing i was talking about books which i can see only one by Ndukwe and the rest reports, articles and journals so your claim is not true. Also you have 3 manuals 4, 6 and 12. Again Zubair is not the author of those formulas but if you insist on having your way you can leave it as such.</p> <p>Finally an increase in built up area is not the only indicator for urban sprawl so it will be good to clearly highlight that particularly in your all sufficient abstract. Your transport image / analysis too needs more clarity particularly the image.</p>	<p>clear picture of the research (This work examines the effects of urban sprawl in three (3) Local Government Areas (LGAs) of Lagos State so as to determine changes that have taken place between 1984 and 2006). Land Consumption Rate and Land Absorption Coefficient were introduced to aid in the quantitative assessment of the change, urban sprawl models were developed and the spread of urban sprawl in the next 14 years (2006 to 2020) were projected.</p> <p>sources of data (sources of data is in Section 2.1 and cannot be listed here but the type of data used- Landsat imagery was mentioned) and analysis type (Landsat Imageries of three epochs (1984, 2000 and 2006) were processed, classified and analysed. CA-Markov modelling was carried out to predict for 2020). discussions on findings (From the research, it was discovered that the Built-up Areas will increase from 8.76% to 17.60% of the Land use/land cover i.e. continuous urban sprawl in future). Despite the fact that we showed the changes over time on all the other Landuse/Landcover categories, we laid emphasis on "Built-Up Areas" since the quest for individual house ownership is always the basis for urban dwellers migrating to the suburbs leading to urban sprawl.</p> <p>on transportation and just indicating 'was discussed' (On transportation, we have added some more comments).</p> <p>There is supposed to be an overlay as well as a change trend analysis between 1984 and 2006 which was omitted. (Table 6 has been modified to answer your request).</p> <p>Based on line 271 (Table 4 has been explained in a simpler way but note that Land Consumption Rate (LCR) means a measure of compactness that indicates a progressive spatial expansion of the city). It is land expansion of the city).</p> <p>The researcher said this research was done in 2011 but cites Agoke Onojegho and Alex 2013 as collaborators to his findings. (Can you please state where this is cited in our work? We referred to Agoke Onojegho and Alex 2013 and other authors when you asked us why did we use only 5 classifications to show that there are several international publications on this topic where the authors used few classifications). We think it is not good for reviewers to try to confuse authors who have carried out genuine work.</p> <p>Nobody asked you to cite references on areas removed, rather citation without proper referencing was mentioned. (Please where?).</p> <p>Line 94 is not clear and has nothing to do with summary (We are not summarising. We only stated the limitation in our dataset so that nobody will ask us why we did not use recent Landsat imageries). Since nobody is perfect, a good researcher will state the limitation(s) in his work.</p> <p>Do you mean the journal allows citation of all three authors names? When does it become et al? (When it is more than four, it becomes et al).</p> <p>So why did you still clarify is the greatest (This is Line 370. It is a ranking terminology: small,</p>



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	<p>great, greater, greatest).</p> <p>Fig 8 is not clear (Has been corrected)</p> <p>In fig 11 what does blue stand for? (Both in Figures 11 (Blue) and 12 (Black), the term “Others” stands for all other Landuse/Landcover classifications used (Water Bodies, Wetlands, Vegetal Cover, Wastelands / Bare Grounds) except the “Built-up Areas”).</p> <p>As for your referencing i was talking about books which i can see only one by Ndukwe and the rest reports, articles and journals so your claim is not true. Also you have 3 manuals 4, 6 and 12. (We did not expect this comments from any reviewer. Is there a law that says only articles from books must be cited in any paper? Sir/Ma, your claim is not right, check very well- No. 4 is a conference publication in Israel; No. 6, 3 and 8 are books; others consist of publications in reputable journals and reports). Remember that this paper is an abridged version of the entire research so some authors will not appear in this paper.</p> <p>Again Zubair is not the author of those formulas (From his work which is part of our references, he claimed to be the author of the formulas).</p> <p>Finally an increase in built up area is not the only indicator for urban sprawl so it will be good to clearly highlight (In most researches on this topic emphasis is more laid on “Built-Up Areas” since it is the major basis for urban sprawl. We also laid emphasis on the effects of urban sprawl on “built-Up Areas” and transportation).</p> <p>Your transport image / analysis too needs more clarity particularly the image (Our transportation image/analysis revealed the transportation expansion patterns: 1984- in Blue, 2000- in Green and 2006- in Red)</p>
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