

Response to Reviewer 2Comments

We, all authors, would like to express our sincere thanks for your helpful and insightful comments and suggestions, which are very valuable in improving our manuscript. We would like to acknowledge the time and effort that Reviewer has put into assessing the previous versions of the manuscript. Below you will find our responses. We look forward to hearing from you and to respond to any further questions and comments you may have. Please see our responses highlighted in red text and we have used the track changes function in the revised manuscript.

Point 1: There are some minor editorial changes that the authors may wish to consider.

Response 1: Thank you for pointing out editorial mistakes and also for suggesting changes. We have revised accordingly as follows:

- where urbanization -> where the urbanization (Line 10)
- : imageries of 1994... -? >- The statement is retained because we used three separate imageries (Line 14)
- and the Geographic -> and a Geographic (Line 14)
- the case with -> the case with the (Line 22)
- in the informal settlement -> in informal settlements (Line 40)
- in the informal -> in informal (Line 59)
- into uninformed -> in uninformed (Line 67)
- infrastructures -> infrastructure (Line 82)
- from the unclear -> from unclear (Line 85)
- mandate -> mandates (Line 85)
- enough of empirical -> enough empirical (Line 92)
- city remotely -> city using remotely (Line 94)
- Page 6 Equations 2: Why is the second major term a natural logarithm? Isn't this a simple proportion? -> This equation has a natural logarithm and it is widely used in land change science. This formula is derived from the compound interest law. Further details can be found in the cited article [34] (Line 186).
- Table 5: Appears to have a formatting error -> Unresolved. Not sure on the format error being referred to.
- Figure 4: In legend: vegetaion -> vegetation
- caused the decrease in the groundwater -> causes a decrease in groundwater (Line 341)
- flood -> flooding (Line 343)
- and avoid -> and avoids (Line 369)
- is protected -> are protected (Line 371)
- vegetation class and avoids -> the vegetation class and avoids (Line 374)
- by increase -> by an increase (Line 408)