

# Review of: "Groundwater Potential Zone Assessment Using Remote Sensing, Geographical Information System (GIS), and Analytical Hierarchy Process (AHP) Techniques in Fogera Woreda, South Gondar Zone, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

Peer review report on "Groundwater Potential Zone Assessment Using Remote Sensing, Geographical Information System (GIS), and Analytical Hierarchy Process (AHP) Techniques in Fogera Woreda, South Gondar Zone, Ethiopia," authors: Belete Getahun and Lininaw Mengstie

## 1. Research article

### 1.1. Recommendation: Major Revision

## 2. Comments to Authors:

### 2.1. Overview and general recommendation:

I found that some parts of the paper are not explained in detail. Below are my comments in more detail.

1. The introduction could be improved by providing a more comprehensive overview of the regional water resources. Also, the problem of investigation as well as the aim of research should be explained in detail.
2. There have been some other studies about the application of the proposed computational methods. What are the highlights or advantages of this study over other related studies?
3. The methodology section must contain a more detailed explanation of the AHP analysis, remote sensing data processing, and used GIS techniques. Providing more clarity on the methodology will enhance the reproducibility and credibility of the study.
4. The discussion part is weak. Authors should analyze the strengths and weaknesses of the methodology and the results. Compare their results with the work of others. Check and analyze the certainty or uncertainty and the accuracy of the results.
5. In the Conclusion section, the overall achievement of the study should be explained better.
6. Please check for spelling mistakes. It's strongly suggested to polish the article by a native speaker.

As a result, this manuscript could be interesting for readers, but in the present status, it is impossible to be published by

Qeios. So, the study needs major revisions and maybe can be published by Qeios after the major additions suggested above.

Best regards,

I.I.