Review of: "New Method to Identify Potential Illegal Water Use Location by Using Remote Sensing and Neural Networks in Laguna de Aculeo, Chile"

Reza Hassanzadeh[1]

1 Kerman Graduate University of Technology

Potential competing interests: No potential competing interests to declare.

This article investigates a "New Method to Identify Potential Illegal Water Use Location by Using Remote Sensing and Neural Networks in Laguna de Aculeo, Chile". This is an interesting idea in terms of incorporating scientific work with application in the field. However, few comments need to be addressed in the following:

Please rewrite the article based on a scientific report as introduction, methods, results, discussion, and conclusion sections. You have the titles, but you need to reorganize these sections. For example, in the methodology section, all applied data and methods need to be described in a logical manner.

Methodology section: More explanation is needed on how to combine all factors and come up with healthy grass at the end. It is missing a part. Write a formula and explain each part. You have Fig. 2 and Table 4, but only numbers and no clear clue and description of how to calculate the final value. Please elaborate on this.

You have Fig. 2 and Table 4: Did you calculate these values by considering only vegetated areas? Alternatively, were these values extracted based on the whole study area extent? You need to mention this important point clearly in your analysis. As you are working on irrigated areas, it's better to clip this area and run the analysis on these areas.

Results section: Explain your results based on statistical facts. I am sure you have these statistical measures.

Discussion section: Compare your work with others to show how your work contributes to current trends in scientific research.