

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

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Potential competing interests: No potential competing interests to declare.

The document provides an innovative approach to detecting illegal water usage in drought-prone areas using remote sensing and neural network techniques. It emphasizes the importance of sustainable water management, particularly in regions like the Aculeo Lagoon in Chile. The research methodology, which includes the use of spectral indices and unsupervised classification to assess vegetation health, is both robust and promising for identifying irregular water usage patterns.

Suggestions for enhancing the study include addressing its scalability to different geographical contexts, elaborating on potential limitations, and discussing the practical implementation of these techniques by authorities for monitoring and enforcement purposes. Moreover, future research could explore integrating additional data sources or technologies to improve detection accuracy and reliability.