

# Review of: "Exploring the Impact of Future Land Uses on Flood Risks and Ecosystem Services, With Limited Data: Coupling a Cellular Automata Markov (CAM) Model, With Hydraulic and Spatial Valuation Models"

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**Potential competing interests:** No potential competing interests to declare.

This article represents a highly significant scientific study examining the future predictions of land use changes and their impacts on ecosystem services through natural events such as floods.

The article describes methods used to explore future land use changes, particularly through techniques like Cellular Automata Markov (CAM) models. It also investigates how these changes may increase risks such as floods and contribute to environmental effects like biodiversity loss. Notably, the integration of methodologies such as the HEC-RAS hydraulic model and Spatial Ecosystem Services Assessment (ESA) model to measure the impact of land use changes on floods is a crucial aspect of this study.

Furthermore, the article focuses on the CAM model's ability to predict future land use with minimal data input and its effectiveness in working efficiently even in situations with limited data. This highlights the valuable approach of the CAM model for predicting future land use changes.

Finally, the findings in the article are highly valuable in demonstrating the impacts of future land use changes on natural disasters like floods, as well as potential economic losses. Additionally, by contributing to the general accessibility of software and data, the article facilitates similar analyses by other researchers and decision-makers.

In summary, this overall assessment indicates that the article contributes significantly to our understanding of the potential effects of land use changes on environmental impacts, risks such as floods, and economic importance. The article is generally in good condition, and as a reviewer, only minor suggestions have been provided on the PDF document.

I hope that after the suggested changes, the article will be in better shape. The article is deemed acceptable after these minor modifications. However, the final decision rests with the dear editor.

Best regards.