

# Review of: "Decoding Social Systems: Agent-Based Modeling in Understanding Tourism Dynamics, with a Case Study on Phu Quoc Island"

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Potential competing interests: No potential competing interests to declare.

This subject holds significance, and I would like to offer both suggestions and remarks

1. I recommend replacing the titles 1, 2, and 3 with 'Background' or 'Introduction'.
2. I note the absence of a detailed explanation of the conception of multi-agent interaction.
3. NetLogo may face challenges in handling large-scale simulations with a high number of agents. For very complex models, especially those requiring extensive computational resources, other platforms might be more suitable.
4. Integrating NetLogo with other software tools, as mentioned in the text, might pose challenges. Compatibility issues with certain GIS tools or other software can be a drawback.
5. While NetLogo and GIS provide a suitable platform for studying urbanization, researchers should be aware of the potential drawbacks related to complexity, integration challenges, and limitations in scalability and visualization.
6. The article briefly touches upon the challenges and choices of simulation tools, emphasizing the suitability of NetLogo for its simplicity. A more in-depth comparison of simulation tools, including their strengths and limitations, could provide valuable insights for researchers and practitioners selecting tools for similar studies.
7. The article discusses the impact of construction on the island, but there may be a need for a more detailed environmental impact assessment, considering ecological, social, and economic factors. This could involve a more comprehensive integration of different disciplines and data sources.
8. The conclusion mentions that integration remains challenging, and there are compatibility issues with Repast and changes in ArcGIS versions. This can lead to technical challenges in combining different software tools, potentially affecting the efficiency and accuracy of the simulations.
9. The references provided are generally from the early 2000s. Including more recent research works in the field of multi-agent simulation, GIS integration, and urbanization studies would ensure that the article is aligned with the latest developments in the domain.