

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.

The authors introduce a pertinent subject, specifically "Agent-based modeling (ABM) to study complex phenomena, using the example of tourist activities on the island of Phu Quoc." Nevertheless, we recommend that the abstract incorporate elements addressing the factors amplifying the impact of the study. This is crucial since the simulations conducted by the authors offer diverse approaches applicable in various geographical locations.

While the inclusion of concepts, citations, and bibliographic references is commendable, we suggest the authors enhance academic precision by introducing a separate chapter dedicated to the "Literature Review."

The research methodology is deemed appropriate, with the authors highlighting models specific to the investigated topic, including "GIS integration for agent-based projective models." The results are effectively presented descriptively and graphically through figures. However, we propose standardizing the figures and diagrams. Notably, on the page with Diagram 1, the second figure lacks a defined title or numerator. If these figures constitute the authors' original contributions, we recommend acknowledging this aspect.

It is noteworthy that the authors emphasize that "these simulation models also allow the realization with adjustable algorithms, interdisciplinary, multidisciplinary, and even interdisciplinary exchanges with the same research object." They also highlight the collection of quantitative and qualitative data from social science research disciplines within the same general model to ensure accuracy through direct contact with the real world.

The conclusions underscore Phu Quoc Island's favourable conditions, marked by high economic growth, a substantial Gross Regional Product (GRDP) per capita, and numerous modern investment projects. However, we recommend that the authors explicitly address the study's limitations and outline directions for future research.

In conclusion, we commend the research team for their valuable study and suggest revisions in line with these considerations.