

Review of: "The Role of Green Legacy in Promoting Sustainable Development and Combating Climate Change"

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Potential competing interests: No potential competing interests to declare.

Abstract

- The abstract is well-written, but it's way too long to be an abstract. It should be 250 to 300 words or less.

Introduction

- Precise quantitative data is essential to evaluate the Green Legacy's impact on forest cover, carbon sequestration, and local climate.
- A comprehensive exploration of economic and social implications, including job creation and improved water quality, is needed.
- Understanding the long-term sustainability, encompassing tree survival and forest cover maintenance, is crucial.
- A comparative analysis of green economy policies worldwide can reveal valuable insights into addressing climate change.
- Assessing the role of local communities in tree planting's success is of academic interest.
- Thoroughly identifying and explaining barriers and challenges faced by the Green Legacy initiative is imperative for a holistic evaluation.

Literature Review

- This literature review provides a comprehensive overview of the UN's green legacy goals and their alignment with sustainable development. However, there are knowledge gaps regarding the specific impact and effectiveness of these goals in achieving environmental conservation and sustainability. Additionally, an exploration of successful case studies and best practices can provide valuable insights into achieving these objectives.
- Lack of studies or data on how Ethiopian tree planting initiatives reduce carbon dioxide emissions and mitigate climate change indicates a knowledge gap.
- The limited research on how tree planting affects Ethiopian microclimates and ecosystem services, particularly temperature, humidity, and soil conservation and water regulation.
- The socio-economic effects of tree-planting initiatives on employment, income generation, and community resilience are poorly studied.

Methodologies

- The methodology should include a detailed data collection framework that lists the questionnaire questions and interview topics. A detailed framework can help readers understand the data's depth and scope.
- Explain Ethical Considerations: The methodology should address informed consent, confidentiality, and sensitive data handling. This information is essential for ethical research.

Results and Discussion

- This section effectively presents quantitative results, demonstrating the model's statistical significance, and explains regression coefficients and climate change. Hamad (2022), Kandasamy et al. (2022), Abebe and Arega (2023), and Versal & Sholoiko (2022) findings enhance the discussion.
- However, the qualitative analysis could use more context and elaboration on the Green Legacy program's challenges and opportunities from the director generals. Specific quotes or examples could enrich the qualitative analysis and shed light on these issues. Discuss how qualitative findings support or expand quantitative results.

Conclusion

The conclusion condenses the study's goals and findings. It would benefit from more specific and detailed results conclusions. Instead of saying tree planting and growing makes a "positive and significant contribution," quantifying the findings and discussing their implications for climate action and sustainable development would be more informative.

Recommendation: Major Revision

The manuscript can be considered after addressing the above-mentioned comments.