

Review of: "Climate Change and Sustainability: A Comparative Case Study"

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Potential competing interests: No potential competing interests to declare.

General comments:

The manuscript (MS) is a comparative study of sustainability and climate change for two countries Sweden and India by evaluating in-depth aspects prevailing. Overall, the Manuscript (MS) is well written. But some of the suggestions are here to improve the readability and understanding of the science explained in the MS.

1. Abstract states objectives, methodology, and main goals achieved from the study. It would be great to read some of the specific inferences or suggestions drawn by authors while comparing climate change/sustainability in Sweden & India in study. Could curtail the abstract to ~5 meaningful sentences.
2. While reading the article, this MS tried to differ in presentation. Still adding proper section and sub-section numbers can help in more readability. 1. Introduction 2. Literature review, 3. Study areas & methodology..... Discussions & Conclusion. More details in Qn. 2, 3
3. First question came to my mind while reading this paper was, why Sweden and India? Why not any other countries?
4. The MS could be improved by incorporating multitudes of factors and stressors of sustainable development, adaptive capacity to climate change, how sustainability compliment for vulnerabilities due to changing climate? What are the impacts of climate change (increased frequencies of hazards, disaster management, sea level rise, change in temperature, pollution etc)?

Specific comments:

1. It would be better if some more explanations are given for each case study points. Eg: Case study 1: In 'Waste to energy plants' could be elaborated such a way that readers can understand any specifics about that energy conversion plants, what all materials are used for conversions, Is there any limitations for this system? Etc. These kinds of explanations could be given to each point for better understanding.
2. Add section numbers and subsection numbers (1, 1.1, 1.1.1...) for readability. It would be great to read few literatures before moving on with case studies.
3. Instead of stating case studies and conclusions after each study, go for overall conclusions at last with discussions.
4. Adding few tables about each country's demographics, area, etc can help to understand more about sustainability strategies. This MS might be a best place to explore more tabulated forms of facts existing in each country.
5. Add table numbers and cross refer with the help of table/figure numbers in article if any.
6. State uncertainties/limitations of this study.

Overall, the MS could be improved by adding some/all these above-mentioned factors and reflecting how adaptive strategies like sustainability improve the mitigation measures due to climate change from authors perspective. Thanks! All the best to authors!