

Review of: "How Blockchain Technology Can Address Circularity and Trace Emission in the Energy Sector"

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Potential competing interests: No potential competing interests to declare.

In this paper, the author proposed How Blockchain Technology Can Address Circularity and Trace Emission in the Energy Sector, However, I recommend that this paper to be Major revision for publication for the following reasons

1. I found the overall structure of the paper to be disorganized, and the flow of the actual writing to be insufficient. More work is required.
2. The article does not clearly indicate the contribution
3. Draw correct flow diagram. (Check flow of path)
4. References are up to date but missing some technical details about the topic presented in the paper.
5. The article does not state the prediction and cannot verify its correctness. According to the topic, the data should be collected by the actual system, but it does not seem to be.
6. The real time data collection in this article is not clearly defined, and the prediction data will appear in textbooks, without any novelty. The proposed system is pretty straightforward, there is no novelty.
7. The format of reference writing is inconsistent
8. Figure 5 appears before the description. This is not a standard article writing format. Figure 4 are the trivial concept of blockchain technology. The author should describe in detail how to apply blockchain technology for the ecosystem based on blockchain technology. and explain the detailed design drawing of the system in detail.
9. How these outputs are constructed, no simulation system or parameters are discussed.
10. The conclusion does not depict the actual analysis of the paper.
11. Add your own diagram (Figure 6)
12. In energy communities, there are many deviation it is not good. And also the explanation is not enough.
13. The eco-system should be re-defined by using architectural diagram.
14. The contributions of the study are mixed with its implications. Authors should separate these two concepts. And move the implications to the conclusion section. Moreover, the direction for future study is very specific and authors are expected to broaden their view and perhaps focus a bit on the Energy Community.

