

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.

Overall the idea is good but there are some weaknesses to be addressed.

Weaknesses:

- (-) The related work section must be enhanced.
- (-) Experimental evaluation must be improved.
- (-) The problem definition is not formal enough.
- (-) Some improvements are needed in the description of the method.
- (-) The paper sounds more like a review article. The title must be according to that then
- (-) I suggest if its designing a blockchain methodology for circulatory an emmision tracing then the headings should be accordingly for example :under the heading Methodology proper analysis and tables should be provided to show novelty.

==== RELATED WORK ====

The authors should add a table that compares the key characteristics of prior work to highlight their differences and limitations. The authors may also consider adding a line in the table to describe the proposed solution.

==== PROBLEM DEFINITION ====

Authors should give a clear formal definition of the problem.

==== METHOD ====

The authors should first give an overview of their solution before explaining the details.

A novel solution is presented but it is important to better explain the design decisions (e.g. why the solution is designed like that)

The solution is described but there should be more examples.

==== EXPERIMENTS ====

A statistical analysis should be carried out to demonstrate that the experimental results are significant.