

Peer Review

Review of: "What Counts as Green AI? Mapping Efficiency, Sustainability, and Critical-Ecological Strands in a Fragmented Discourse"

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The paper offers an insightful conceptual map of the “Green AI” debate and a valuable framework for interdisciplinary dialogue. Its greatest strengths are clarity of categorization and recognition of systemic ecological issues. The main weaknesses lie in:

- definitional ambiguity (the paper frequently uses key terms like “sustainability”, “efficiency” without fixed operational definitions) – please explain how the basic terms are defined and can be interpreted,
- minor stylistic redundancy (there is a need for smoother section linking) – please add linking statements between major sections,
- lack of empirical validation of the proposed typology – the typology is derived from literature mapping, but no quantitative bibliometric or empirical validation supports the framework.

Besides, the article lacks a clear scientific orientation — the author does not explicitly define the research objective nor indicate how the formulated questions stem from the adopted analytical concept. A precise statement of the aim and its connection to the research questions could significantly enhance the paper’s clarity and strengthen its scientific value.

I believe that with minor conceptual and editorial polishing, it could serve as a cornerstone reference in environmental AI governance.

Declarations

Potential competing interests: No potential competing interests to declare.