

# Review of: "Research on the uncertainty of low-carbon environmental governance system and its impact on the dual goals of carbon emission reduction"

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Potential competing interests: No potential competing interests to declare.

This paper analyzes the uncertainty of low-carbon environmental governance system and its impact on the dual goals of carbon emission reduction, which has significant practical significance under the new pattern of low-carbon development in China. In order to further improve the quality of the paper, I think the following modifications need to be made.

1. The research object should be further clarified. The title of the article mentions "the uncertainty of low-carbon environmental governance system", but in the abstract, it has repeatedly mentioned "the environmental uncertainty in low-carbon governance". It should be noted that "environmental governance system" and "governance environment" are completely different research points.

2. Part of the article expresses the logic of confusion. For example, the third page of the article mentions "The defects of the research further explore the uncertainty of the ecological environment under low-carbon governance and .....". Is the word "Defect" misused?

In addition, what is the meaning of the sentence "The correlation between the dual goals of reduction" mentioned on the third page of the article?

3. This paper puts forward the evaluation index system of regional low-carbon governance environmental uncertainty (as shown in Table 1), but it lacks the specific evaluation process and final results combined with the data of various provinces in China.

4. This article mentions "The intensity of environmental regulation, the degree of fiscal decentralization, and the degree of foreign trade in the operation layer can be obtained through data statistics and calculation, which are quantitative indicators".

However, for the indicators of "local environmental officials focus on low-carbon governance(A14)", "suppression of Green Finance on Investment and Financing of High Emission Enterprises(A25)", "speed of technological change in high energy-consuming industries in the region(A35)" and et al shown in Table 1, how does the author carry out quantitative evaluation of the indicators during the research process? This is crucial to whether the research results have practical significance.

