

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.

The manuscript develops an indicator system to assess the uncertainty of the government's low-carbon governance environment and analyzes its impact on emission reduction. The topic is interesting. It is suggested that the paper be revised as follows:

1. The title of the paper is not clear. Readers cannot get the meaning of "the dual goals of carbon emission reduction". Perhaps, it would be better to use "dual-carbon goals in China" or "30.60 decarbonization goal in China".
2. Figure 1 in page 30 describe the correlation mechanism between low-carbon environmental governance system and dual goals of carbon emission reduction. Figure 1 shows dual goals is carbon emissions reduction target and carbon emission intensity target, which is not dual-carbon goals in China. Moreover, the mechanism is not clear and too simple.
3. Section panel Smooth Transition Model in page 15. It is recommended to clearly describe the reasons for using the Panel Smooth Transition Model.