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Research Papers

Titles: Linkage and structural path analysis of green investment utilization in China

Abstract:

This paper develops a new green linkage measurement system and based on China's input-output table from 2012 to 2020 and green investment data in corresponding years. It applies the modified hypothetical extraction method to construct a green investment linkage effect model, constructs green direct consumption coefficients and green vertically integrated consumption coefficients and quantitatively analyses the linkage effect of green investment and its transfer among the 19 sectors and key provinces in China. The results show that in green investment, the vertically integrated consumption, internal effect, mixed effect and net forward linkage in Manufacturing are the largest. The dependence of Manufacturing on its own is weakening, but it is still the strongest compared with other sectors. Construction is the largest net input sector and has the strongest dependence on other sectors, and Manufacturing is the largest supplier of green investment. The green investment linkage between sectors reflects the distribution and transfer of green investment in the sector, so this paper helps clarify the dynamic linkage of sector green investment utilization to optimize green investment management.

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