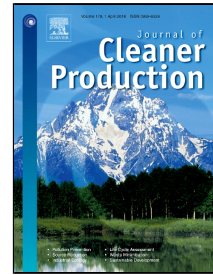


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SWOT-AHP-TOWS analysis of private investment behavior in the Chinese biogas sector

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ABSTRACT

Biogas is one of the important renewable energy sources, which is expected to significantly contribute not only for the successful achievement of a low carbon transition but also to achieve global climate change policy targets. Private investment is identified as a critical factor for biogas sector to fulfill its expected role. Hence, this paper emphasizes on identifying private stakeholder's investment criteria in order to increase its active involvement for biogas in China. This study focused on banks, insurance companies, pension funds, private equity funds and high network individuals as the primary stakeholders. It applies an SWOT-AHP-TOWS analysis, in which the Strengths, Weaknesses, Opportunities, and Threats (SWOT) of stakeholders are identified and then prioritized by using the analytical hierarchy process (AHP). Finally, the TOWS matrix supports the development of private investment strategies, which serve as a

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