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Determinants of residents' e-waste recycling behaviour intentions: evidence from China

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Abstract: This research analyses the factors influencing residents' e-waste recycling behaviour intentions and focuses on the effect of residents' *Perceptions of informal recycling* on their recycling behaviour intentions. For this purpose, we have developed a reliable scale, and investigated Chinese residents from China's seven geographic regions and 22 provinces. Based on the theory of planned behaviour (TPB), we used a structural equation model to analyse the factors affecting resident e-waste recycling behaviour intentions. The results showed that the key influencing factors were: *environmental awareness, attitude towards recycling, perceptions of informal recycling, income and costs of recycling, and norms and publicity* which indirectly affected resident behaviour intentions towards e-waste recycling by way of the intervening variable *perceptions of informal recycling*: *norms and publicity* has a positive impact on *perceptions of informal recycling*. Finally, based on the above findings, the paper puts forward some policy proposals.

Keywords: E-waste; Recycling behaviour; Perceptions of informal recycling; theory of planned behaviour.

1. Introduction

With the improvement of the world economy and the rapid development of its electrical industry,

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