The Impact of Sustainability on Consumers' Technology Approval - Taking Smart Energy-Saving Systems as an Example of Application

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Abstract
The objective of this work is to show, that sustainability – encompassing environmental and social dimensions – impacts consumers' behavioral intention to use technology. To analyze this relationship, we extend the unified theory of acceptance and use of technology of Venkatesh et al. (2012) by sustainability as an additional predictor and assign it to the application context of smart energy-saving systems. We validate the inclusion of a sustainable component in a quantitative study. Our proposed model extension incorporates the relationships of the baseline model. The theoretical and managerial implications of our study are discussed and future work is outlined.

Key words
Sustainability, Green Information Systems, Smart Energy-Saving Systems, Unified Theory of Acceptance and Use of Technology (UTAUT), UTAUT2, Technology Adoption