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BUSINESS REQUIREMENTS

The actual environment of blockchain applications that contribute in a certain way to climate protection. In view of the growing interest in climate change and the need to act on a global scale, knowledge about these applications enables investors, politicians, and citizens to drive this development forward through diverse support opportunities. This article provides an extensive overview of existing mitigation and adaptation measures based on blockchain technology. We collect data on 85 such applications and describe the empirical distributions of different attributes of these applications. In a logit regression, then analyse which application-specific and blockchain-specific characteristics determine the success of an application in the sense of an advanced operational status.

We find evidence that applications of the type “energy trading” exhibit reduced chances of success, while green blockchain-based applications implementing a proof-of-stake consensus mechanism are more likely to become operational. Moreover, pursuing an initial coin offering has no significant effect on the success of an application. Our work provides the basis for a better understanding of the success factors of this new technology.

Climate change has a disproportionate impact on the world’s poor. Developing countries will require tens of billions of dollars in new funding annually to adapt to climate changes. Financial Technology (FinTech) and

Blockchain innovations can play a major role in implementing these adaptation plans. Blockchain innovations can help build trust and transparency in international climate finance and could potentially have major implications in scaling and speeding up north-south, south-south, and peer-to-peer climate finance transfers. This chapter will explore the potential of Blockchain to provide scalable solutions in the areas of: tracking climate finance, results tracking, climate adaptation, financial inclusion, and identity. It will discuss requirements to achieve scale, including building the ecosystem by linking Blockchain developers, and funding sources with people working on problems of poverty. The big problems of our time need bold, collaborative solutions.