

Blockchain as a Technological Solution in Land Administration – What Are Current Barriers to Implementation?

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SUMMARY

Many countries have started initiatives to improve their cadastral systems to better meet the current and future needs of society. Especially blockchain technology has drawn the attention of land administration society during recent years. In contrast to the current centralized cadastral systems, blockchain offers a possibility to create a decentralized and transparent database. However, a thorough investigation of the possibilities and drawbacks of the utilization of blockchain technology for registering cadastral information is still missing. In this paper, we conduct a literature review of the operation and features of blockchain technology. Further, we study potential benefits and barriers related to implementation of the technology using a qualitative approach. Our findings indicate that at least technical, social and juridical barriers exist.

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