

Assessment of technological maturity in foreign trade companies for the adoption of blockchain in Mexico.

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Abstract

Digitization is present in different sectors and industries. Blockchain promises to revolutionize international trade operations and data management, bringing with it challenges for organizations such as technology readiness. Therefore, it is important to know the level of technological maturity through technology assessment that could help the decision-making process from strategic point of view. Mexican companies involved in trade must keep accurate records of transaction to comply with regulations and tax rates. Consequently, blockchain could help improve the traceability of information for stakeholders and fight against corruption. The main findings of the literature review of this study are that this technology, still in its infancy, but growing, with projects under development, requires preparation of organizations and personnel. Likewise, it is essential to understand its risks, benefits, and the reconfiguration of infrastructures. Future research should analyze implementation factors, such as training needed, cost and time, environmental impact, specific interoperability with other platforms.

Keywords

Technological Maturity Models, Technology Readiness, Technology Assessment, Blockchain, International Trade and Customs.