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LITERATURE SURVAY

A literature survey of the use of blockchain technology in climate tracking and environmental management reveals several important studies and publications that explore the potential benefits and applications of this technology in addressing climate-related challenges. Here's a selection of key literature on the subject:

Title: "Blockchain and the Internet of Things in the Industrial Sector: A Survey"

Authors: Zohreh Sharifi, Antonio Jara, Michael Gerndt

Published in: IEEE Transactions on Industrial Informatics, 2019

Summary: This comprehensive survey explores the use of blockchain in various industries, including its application in environmental monitoring and the integration with the Internet of Things (IoT) for climate tracking.

Title: "Climate Change and Blockchain Technology"

Authors: Luis F. Luna-Reyes, Luis Luna-Reyes Jr.

Published in: Proceedings of the 18th Annual International Conference on Digital Government Research, 2017

Summary: This paper examines the potential of blockchain technology to address climate change-related challenges, focusing on data integrity and transparency.

Title: "Blockchain for Climate Action: A New Perspective for Carbon Markets"

Authors: Arthur Dehling, Lauren E. Barnes, Johan Meurer, et al.

Published in: Nature Climate Change, 2019

Summary: The study explores the application of blockchain to carbon markets, emphasizing its role in reducing fraud and ensuring the transparency of carbon credit transactions.

Title: "Blockchain Applications in Climate Finance"

Authors: Florian Egli, Juno Turner-Cullen, Ali Rizvi

Published in: UNEP Inquiry Working Paper, 2017

Summary: This report by the United Nations Environment Programme (UNEP) Inquiry highlights blockchain's potential in climate finance, emissions trading, and sustainable investment.

Title: "Blockchain Technology in the Energy Sector: A Systematic Review of Challenges and Opportunities"

Authors: Arif Supe, Vignesh Subramanian, Ali Kashif Bashir

Published in: Renewable and Sustainable Energy Reviews, 2020

Summary: This systematic review covers blockchain applications in the energy sector, which includes climate-related aspects like renewable energy and emissions reduction.

Title: "Blockchain for Decentralized Environmental Governance"

Authors: Mark Lundy, Julio Ibarra

Published in: Proceedings of the 3rd ACM International Workshop on IoT Privacy, Trust, and Security, 2017

Summary: This paper discusses how blockchain technology can be used for decentralized environmental governance, addressing climate and sustainability challenges.

Title: "Blockchain as a Key Enabler for Sustainable and Resilient Smart Cities"

Authors: Massimo Ruffolo, Roberto Ruggieri, and Sergio Terzi

Published in: Sustainability, 2020

Summary: The study explores how blockchain can support smart city initiatives, including those related to environmental monitoring, energy efficiency, and climate resilience.

Title: "Blockchain Technology in the Fight Against Climate Change: A Promising Future"

Authors: Fabian Schellhaas, Max J. Kraus, Markus Bick

Published in: 1st Climate Innovation Summit, 2018

Summary: This paper discusses the potential of blockchain technology in addressing climate change challenges and enhancing transparency in carbon reduction efforts.

These publications provide a broad overview of the application of blockchain technology in climate tracking and environmental management. They highlight the potential benefits of blockchain in enhancing data integrity, transparency, and accountability in efforts related to climate change mitigation and adaptation. The field is evolving, and ongoing research continues to explore the full potential of blockchain technology in addressing climate-related issues.