


Chapter 9


Blockchain and Digital Currencies: Catalysts of Geopolitical Rivalries and Economic Realignment

Saurabh Chandra

 <https://orcid.org/0000-0003-4172-9968>


Bennett University, Greater Noida, India

Bhupinder Singh

 <https://orcid.org/0009-0006-4779-2553>


Sharda University, India

Saquib Ahmed

 <https://orcid.org/0009-0008-1891-6910>

Sharda University, India

Christian Kaunert

 <https://orcid.org/0000-0002-4493-2235>

Dublin City University, Ireland & University of South Wales, UK

Natthawut Rungwong

North Bangkok University, Thailand

ABSTRACT

The world's economic future is being reshaped by blockchain technology and digital currencies and the country that leads the way may also be the country that the world increasingly turns to. Blockchain challenges the hegemony of traditional financial intermediaries and reserve currencies such as the US dollar by facilitating decentralized, transparent, and secure financial systems. These currencies provide

DOI: 10.4018/979-8-3373-1727-4.ch009

countries with the means to circumvent conventional payment networks, improve financial inclusion, and exert supremacy in international commerce. Blockchain-based solutions will create pathways around reliance on Western-led financial institutions enabling both the de-dollarization of emerging economies. And as the race is on to exploit the technologies behind them, they are likely to reshape the international political economy, creating new partnerships while widening economic divides.

INTRODUCTION

The advent of blockchain technology and digital currencies has marked a significant turning point in the landscape of global finance and geopolitics. Emerging from the shadows of traditional financial systems, these innovations have introduced new paradigms for economic interaction, challenging established norms and creating opportunities for both collaboration and competition among nations. As it delve into the intricate relationship between blockchain, digital currencies, and geopolitical dynamics, it becomes imperative to understand their foundational concepts, significance in contemporary global affairs, and the objectives guiding this chapter.

There are many new and developing kinds of consumption in the economy right now. These are the outcome of a convergence of societal, economic, and technological factors that are presently changing traditional modes of business exchanges. This article provides an example of this alleged reorganization of business transactions. The study specifically examines the junction of two cultural phenomena the collaborative economy (CE) and blockchain technology that are mostly the result of technical advancements and economic disruptions. In actuality, both are highly dependent on technology and were developed during the 2008 global financial crisis (Sharma, 2023). On the other hand, such nations that were ahead of the curve in blockchain innovation and CBDC deployment might be setting standards for CBTS that can be followed in cross-border trade, changing the dynamics of economic power. But it also raises stakes, as governments grapple with regulatory challenges, cybersecurity threats and the threat of digital authoritarianism. Blockchain and digital currencies are much more than technological innovations they are potentially instrumental in the global contest for influence. The CE is an economic model that has experienced unparalleled scale and scope due to technological advancements, despite the fact that it has nearly become a vernacular notion. Peer-to-peer, peer-to-organization, and organization-to-peer interactions have increased as a result. Blockchain technology is a distributed, decentralized ledger system that securely, immutably, and transparently records transactions across numerous computers. Blockchain was first created as the core technology for Bitcoin, but it has since matured into a flexible instrument with uses in many different industries. At the same time, significant

16 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: www.igi-global.com/chapter/blockchain-and-digital-currencies/385982

Related Content

The Oceanic Triad: Japan and India as the Twin Pillars of U.S. Indo-Pacific Ambitions

Hasim Turker (2024). *Global Geopolitical Impacts and Dynamics of the Indo-Pacific* (pp. 146-173).

www.irma-international.org/chapter/the-oceanic-triad/348098

The Effect of Technological Development on Renewable Energy

Diyar Avar, Dilek Temizand Aytac Gökmen (2025). *Journal of Comparative Asian Development* (pp. 1-28).

www.irma-international.org/article/the-effect-of-technological-development-on-renewable-energy/367696

Decision Making as a Contributor for Women Empowerment: A Study in the Indian Context

Richa Misra, Shalini Srivastava, Renuka Mahajanand Rajiv Thakur (2021). *Journal of Comparative Asian Development* (pp. 79-99).

www.irma-international.org/article/decision-making-as-a-contributor-for-women-empowerment/272585

A Discourse Analysis of Twitter Communication to Foster Digital Diplomacy Between India and China

Reema Roy, Piyush Kumar, Moumita Chatterjeeand Dhruvasish Sarkar (2024). *Soft Power and Diplomatic Strategies in Asia and the Middle East* (pp. 17-35).

www.irma-international.org/chapter/a-discourse-analysis-of-twitter-communication-to-foster-digital-diplomacy-between-india-and-china/343470

Movement Control Order (MCO) - A Viable Legal Mechanism in the Management of COVID-19 Pandemic in Malaysia?

Suzana Muhamad Said, Aini Aman, Mohd Rohaizat Hassanand Omkar Dastane (2022). *Journal of Comparative Asian Development* (pp. 1-15).

www.irma-international.org/article/movement-control-order-mco-a-viable-legal-mechanism-in-the-management-of-covid-19-pandemic-in-malaysia/315650