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Digital Currencies And Financial Inclusion: A Global Perspective

Rajesh Ramkumar, R* and Brindha, S**

*Assistant Professor, Department of Business Administration,
Ayya Nadar Janaki Ammal College, Sivakasi

** Ph.D. Research Scholar (Part-Time), Department of Business Administration,
Madurai Kamaraj University, Madurai.

Abstract

The rise of digital currencies can be viewed as a shift towards a new more improved and enhanced way of the global financial systems by enhancing financial access in different regions. Over time, with the innovations in technology, people are now using Cryptocurrencies and Central Bank Digital Currencies, as prominent forms of digital money. These assets include characteristics that traditional funds lack as they foster cheaper rates in transactions, faster international payments, and better access for confined populations in the developing world. However, the use of digital currencies also presents a number of issues; first of all, those of regulatory nature, followed by problems associated with the cybersecurity of these currencies and, last but not least, the problem of financial literacy of users. Digital currencies' acceptance across the world differs on various degrees, and the regulation of the same is a hot topic across the world where some countries incorporate the innovation into their economic development strategies while others remain skeptical, or even outright intolerant of the concept mainly due to the prevailing volatile economic and security concerns. However, in developed countries, digital currencies are perceived as improvements of payment systems, while in the developing countries they present a chance in giving basic financial services to those who are deprived of them. Furthermore, the said utilization of blockchain technology, which is mostly implemented behind most digital currencies, might enhance effectiveness and transparency and minimize fraud in today's financial services. But, the absence of structures and the gap between the physical and the digital worlds in most parts of the world may slow down the use of digital tokens. Also relevant to policy is the centralisation versus decentralisation dilemma that continues to be contentious as government seeks to launch state-backed digital currencies against decentralized cryptocurrencies that bring risks to the global economy. The objective of this paper is to analyze how digital currencies can drive financial inclusion examining their potential as well as challenges they face as well as reviewing the world's regulatory environment and future prospects for the use of digital currency.

Keywords : Digital Currencies, Financial Inclusion, Cryptocurrencies, Blockchain Technology Cross-border Payments, Global Perspective and Payment Systems.

1. Introduction

1.1. Overview of digital currencies and their growing importance

Cryptocurrencies, as well as other Digital Financial Assets (DFAs), such as Central Bank Digital Currencies (CBDCs), are becoming familiar components of the world's financial environment, filling the vacancy left by traditional money. The increasing relevance of those systems is owing to the fact that their application, which include effecting payments, increasing financial access and responding to gaps in the existing facilities is highly likely to transform payment systems and facilities all over the world. Digital currencies like Bitcoin and Ethereum are types of digital currency that are not anchored in central banks but provide for faster, cheaper, and more secure form of transaction. On the other hand, we have centrally backed digital currencies that are a digital form of fiat money whose objectives are to enhance the monetary system and not unbalance it in a way that would lead to rising centralization of power and declining personal freedom. The use of digital currencies results from technological innovation like blockchain which enforces accountability in the transaction processes. As instruments that can offer financial services to the still barely banked and underbanked populace, digital currencies are now regarded as critical for the world economy's development and, in particular, for the decrease in the financial exclusion gap.

1.2. Definition and types of digital currencies

Digital currencies are monetary systems that exist purely in the electronic (digital) world and that make use of technology to perform their function. There are two main categories of digital currencies; cryptocurrencies and Central Bank Digital Currencies CBDCs. Cryptocurrencies are virtual means of payments that include famous coins like Bitcoin, Ethereum, and Ripple which are based on blockchain technology and do not involve third parties such as financial institutions. These are usually not regulated by governments, and hence, the governments cannot control their issuance. By the same token, CBDCs refer to sovereign digital currencies underpinned by a country's central bank. They are centralized and thus their management and issuance is under the control of the issuing government to enhance financial growth and more so stability. Cryptocurrencies bring anonymity and decentralization of control, the CBDCs are to introduce the characteristics of digital currencies with the stable control of the fiat money and provide more efficient tools for monetary policy and financial inclusion.

1.3. The connection between digital currencies and financial inclusion

Digital currencies are highly relevant to financial inclusion because offer individuals and communities with the ability to access financial services that cannot or will not be provided by regular financial institutions. Several areas of the world, particularly in the developing countries, are characterized by factors like weak physical branch networks , high fees and commission , and low level of financial enfranchisement that lock out users from the mainstream economy. Cryptocurrencies and Central Bank Digital Currencies (CBDCs) can eliminate these challenges because they process transactions that are fast, inexpensive, and borderless. People use it to send and receive money, save and use other financial services without having a bank account needing own a smartphone and Internet access. This in turn makes for economic participation and an opportunity to lift out of poverty. Also, the utilization of digital currencies may lead to higher transparency and security, which can decrease fraud and corruption rates, consequently, people's trust in financial services and access to financial services will be enhanced hence enabling the provision of services for all.

1.4. Purpose and objectives of the paper

This paper aims at dissecting the possibilities of realization of digital currencies in financial inclusion across the globe, equally estimating the challenges embroiling them. As cryptocurrencies and Central Bank Digital Currencies (CBDCs) are becoming more prevalent this paper will seek to give an assessment on how digital currencies can effectively bring the unbanked population into the financial system. The goals of the paper are thus to assess the role of digital currencies on financial inclusion; to assess the improvement digital currencies provide on cost of financial transactions; and to evaluate the current laws governing the use of the currency. In another respect the paper aims at identifying the barriers to uptake that include but not limited to cybersecurity, digital literacy, and infrastructure. At last, the paper also has the purpose of joining the discussion on the further evolution of digital currencies as tools for economic growth and financial development of countries.

2. The Role of Digital Currencies in Financial Inclusion

2.1. How digital currencies enable access to financial services

It is essential to understand that digital currencies make financial services possible where it is impossible to locate a physical bank, including in developing countries. With digital currencies people can engage in financial operations like saving, investing, making payments and others without necessarily operating with a bank account. Cryptocurrencies and CBDCs are immediately available for use through the smartphone, or the internet connection, even in the depths of the rural areas with little access to formal financial services. This convenience enables the unbanked or underbanked populace to save and transmit money safely without the services of an intermediary. Also, digital currencies can be more efficient and cheaper as the payment for international operations, so that it can open an opportunity for people for international trade and money transfer. In delivering these services at relatively lower prices and without location barriers, digital currencies therefore democratise financial liberation hence allowing the citizens from the developing economies to participate optimally in the global market.

2.2. Impact on the unbanked and underbanked populations

Cryptocurrencies have a positive effect on the people who still do not have a bank account or only limited access to one. For anyone who do not own a bank account the new designed currencies are an opportunity of safe keeping of cash and even transacting using a smartphone or internet connection. This do away with all the physical setting up for the undertaking of the banking business and that is often a challenge in the rural or remote areas. This is important especially to the third world individuals because remittances and global trade is easy affordable through cryptocurrencies and CBDCs. With less involvement of banks, ‘’digital currencies also lower the fee chargeable on a transaction, which is more burdensome on the poor. Additionally, digital currencies reopen opportunities for savings, lending, and investment into digital assets creating solid economic foundation and enabling individuals to engage the financial system proactively.

2.3.. Enhancing access to payments, savings, and credit

Digital currencies also integrate payments, savings, and credit into the financial system for both individuals who do not have access to formal or traditional banking services. Digital currencies on the other hand allow for point of use, low cost international transactions without the need to worry about the physical layout required for a bank. This is especially helpful in the rural areas where the accessibility of banks and other related financial facilities is a problem. On this they the idea in investing in saving involve holding capital in form of digital currencies in a digital wallets where often provide better security against inflation than the physical currencies of volatile economies. Furthermore, due to the decentralized system used with many of the cryptocurrencies, people can perform peer-to-peer lending and borrowing, which opens up credit to those with no credit or banking systems. This is where Central Bank Digital Currencies (CBDCs) also have a role to play, governments can create digital savings accounts or micro-loans that can make their way to the currently unserved or underbanked. Sidely, all these innovations support financial literacy and help to let people in the financial sector.

2.4. Potential to reduce financial exclusion in rural and remote areas

Emerging Peer-to-Peer’s eliminate a major factor that contributes to financial exclusion within a rural and remote consumer base, in that central to their function, they do not require a physical implement, such as a bank branch, in order to operate. Geographically, economically, as well as logistically, customers in these areas usually cannot be served by branch banking. However, digital currencies can be access through phones or computers making them cheaper and more effective modes of money exchange than the traditional banking system. They include cryptocurrencies and central bank digital currencies (CBDCs) that allow individuals to make payment, save and even borrow without necessarily have to move long distances to access physical bank branches. Furthermore, such currencies are cheaper to perform and save on transaction costs, which is important for those groups who depend on money transfers or small-scale purchase and sales. Digital currencies as available and efficient financial services bring the previously and hardly involved groups of people such as rural ones into the necessary level of financial inclusion thereby decreasing financial exclusion levels.

3. Benefits of Digital Currencies for Financial Inclusion

It is imperative to understand that digital currencies present many advantages when it comes to financial inclusion in terms of accessibility and efficiency of a financial system. This has pointed out the idea that through the use of such services, individuals can transact with speed and at much lower transaction costs compared to the formal banking services. This is especially helpful for vulnerable communities that are usually charged high fees, and long processing times. Also, digital currencies make it easier to people to be financially included by extending their services to the regions that do not need conventional banking halls. Cryptocurrencies and even the Central Bank Digital Currencies (CBDCs) enable people to engage in a financial system with a Smartphone or computer bypassing barriers. International payments are also made easier by the digital currencies since they do not require third parties and time wasting procedures in making transactions globally. Additionally, the existing digital platforms that enable these currencies can promote increased financial competence by availing more relevant tools that could improve the understanding of financial education. Finally, the use of blockchain behind most cryptographic currencies provides increased transparency in the resulting technologies, thus offering more secure and easily traced transactions. This serves to decrease fraud and corruption and to thereby make the financial environment more reliable. Altogether, all these benefits make the financial sector a progressive one that is now in a position to engage every user, which was Fintech platform's strength in the initial phases.

4. Global Perspectives on Digital Currency Adoption

4.1. Overview of global digital currency adoption trends

Widespread usage of global digital currencies continues to rise, more so, both the developed and developing countries continue exploring and adopting different forms of digital currencies. Global adoption of cryptocurrencies such as bitcoins and ethereum has continue to rise in the global market due to the uniqueness of cryptocurrency, which includes specificity to be used as investment tools and a medium of exchange due to a decentralized and a block chain technology. However, the usage of Central Bank Digital Currencies (CBDCs) has also increased as more and more countries such as China, Sweden and Bahamas has come forward to launch sovereign digital currencies. These CBDCs can be used to upgrade the existing payment methods, stabilize their national currency, and provide the population with the necessary number of banknotes, for example, in countries that do not have many banks. While adoption currently is healthy in some countries, others are still skeptical due to increased security threats, unresolved regulations, and economic instability. It outlines the magnitude of the market transition to digital currencies with different velocities of the process and different regulatory treatments critical for national and economic imperatives. This international change is based on the growing recognition of decentralized assets as the driving force of future economies.

4.2. Developed countries' approach to digital currencies

Digital currencies are slowly gaining popularity in the financial systems of developed countries as countries look to reinvent and improve their financial environments in efficiency and inclusion. Most of these countries have negatively scoped the digital currencies use in payments systems to optimize on the number of transactions to reduce the costs, and most importantly to do it within the shortest time possible. For instance, the European Union and the United States are currently working on the creation of Central Bank Digital Currencies (CBDCs) as supplementary to the conventional fiat money and improve the efficacy of value creation. Beside the CBDCs, players such as PayPal, Venmo, and apple pay are popular digital payment platforms that enable faster and more secure without border line transactions. These systems involve the use of cryptocurrencies and digital tokens so as to enhance the issues of international payment and apply the principles of the blockchain technology for clarified conditions. While developed nations are still struggling with how to adopt and regulate digital currencies, they are actively seeking the solution in digital payment systems as the role of safe, effective and efficient monetary system in today's globalized economy is increasingly being recognized.

4.3. Developing countries' adoption challenges and opportunities

The disruption with the use of digital currencies in developing countries poses both threats and opportunities that must be well understood and tackled. Inefficiency being another major challenge results from weak technology foundation like scarce internet connectivity and limited smartphone penetration inhibiting the growth of the digital currencies. Another challenge is the lack of knowledge, or low digital skills, and distrust in technology or cryptocurrencies. Risk factors including regulatory risks, financial risks, fraud risks and cyber risks are also risks hindering integration. Still, digital currencies are promising tools for increasing financial inclusion, with reference to countries with limited or no access to conventional banking services. They can assure safe and relatively cheap methods of money transfer, receiving of money from relatives abroad or friends, making payments, etc. Moreover, e-currencies can provide credit and savings facilities for people with little or no access to a conventional bank, which means development. In this way, by the elimination of infrastructure and edu- cational hindrances, the developing countries can improve the money acquaintance, encourage the novelty and promote the development of developed and developing economies through embracing the digital currencies.

4.4. Case studies of countries successfully implementing digital currencies

Some nations have already tried the introduction of the digital currency to show the positive impact and the ability to advance the financial services options. China is a prime example of the country that actively implements the idea of Central Bank Digital Currency (CBDC), also known as the Digital Yuan or e-CNY. The Digital Yuan is already live in several cities, aims to make transactions faster, secure, and efficient, especially for the lower tier. Chinese government has launched massive pilot projects with the purpose of minimizing payment's cash component, raising payment security and enhancing monetary management. Another example is The Bahamas, it decided to incorporate the Sand Dollar which is a national digital currency to act as cash replacement for especially in the outlying islands. This has enhance the ability of People in underprivileged area to have easy and secure transaction of financial services through Smartphone gadgets. Sweden has also embraced its e-Krona, which is a CDBC that the country wants to support the existing cashless system and the growth of financial access. Nowadays Sweden is transitioning to digital currency because it wants to secure a safe and reliable monetary environment as cash circulation is falling. In Nigeria, the central bank recently launched eNaira, Africa's first central bank digital currency, for the expansion of the financial sector as part of its financial inclusion drive to allow even those without banking access to make transactions safely. These case studies demonstrate how digital currencies, when deployed, can respond to such obstacles as, for example, the problem of financial inaccessibility, issues with the payments systems, as well as limited access to banking services in different regions of the world while meeting all of the allocated needs.

4.5. Resistance from countries and concerns

However, different countries still showed reluctance towards digital currencies owing to certain regulatory, security and economical factors. This is like a game of ping pong where countries are finding it very hard to design the rules of the game that will accommodate growth, invention while at the same time curtailing fraudsters, money launderers and those involved in unlawful deeds. This is because often there is no set common legal requirement that exists for countries making it challenging to handle cross sectional concerns. Hacking and fraud as well as cyber security also poses risks that compel governments into pussy footing when it comes to adopt digital currencies especially the cryptocurrencies that have been associated with key data breaching and theft. Stability is another issue at stake; the cryptocurrencies might weaken conventional banking systems or upset national currency. Few leading countries such as India, Russia and Turkey have expressed concern over these cryptocurrencies out of the below difficulties and rush towards unlawful operations. Therefore, while some governments have started implementing restrictions on cryptocurrencies, others have not done so until there is more light on the repercussions of accrediting digital currencies.

5. Challenges and Barriers to Widespread Adoption

Many challenges and barriers are associated with the spread of digital currencies that need to be solved to achieve the proper performance of these instruments and their availability for people. Legal issues are prime barriers, because governments are challenged to develop rules that safeguard consumers, but at the same time promote innovation. Indeed, the lack of international standard acts as a barrier to cross border transaction and could also be the reason for high risk of fraud. The security risks are still relevant concerning the internet, and digital currencies are not protected from hacking, stealing, or fraud, which harms people's confidence in such systems. The absence of mechanisms to curb the incidences of fraud wherever digital currencies are being used is vital and must be prevented. Finally, poor infrastructure for economic activities like, high cost of internet, lack of or inefficient technology in rural or underdeveloped areas slows down the adoption of digital currencies thereby increasing the digital gap. This barrier caused by a lack of access to technology keeps the participants from the digital economies from being equal. A good number of the people, particularly those in the third world, lack adequate knowledge and information about the presentation and usage of such products as the digital currencies, hence the non-adoption. Finally, the choice between the system being centralized and decentralized considering the models of digital currencies is a challenge for governance and control. CBDCs are backed by governments, ensuring stability but undesirable for those who enjoy decentralization and anonymity of decentralized cryptocurrencies. While trying to balance these issues with the core values of inclusion, security, and the much-needed transparency of the world's monetary system, the challenges emerging on the way to the adoption of digital currencies all across the world are still a major concern.

6. Regulatory Frameworks and Policy Implications

The legal structures concerning digital currencies play a vital role in facilitating, the safety of, and encouraging financial innovation with digital currencies. Central governments and central banks are major regulators of digital currencies and counterbalance innovation and risk management to shield consumers from fraudulent assets. The most important for central banks are risks related to fraud, money laundering practices and causing instabilities to the domestic money. They also participate in creating the Central Bank Digital Currencies (CBDCs) which are a form of the cryptocurrencies backed by a government. International measures and frameworks as provided by the FATF and the IMF seek to bring harmonization in the legal frameworks of decentralized money across borders, reducing risks such as terrorism financing and other unlawful activities in the process of expansionary cooperation. Nonetheless, these policies have to be implemented across various economic environments, and therefore they must vary from one country to another. Regulation's impact on financial inclusion and innovation is twofold: while it has benefits of preventing risks, enforcing user trust, and guard against fraud, it can hamper development if made overly stringent. When structured appropriately, regulations can support Fintech initiatives in the financial sector by establishing structure to digital currencies that will be safe, efficient, and integrated into financial systems. Trapping the right balance in the regulation of innovation and change in the field of new online and digital payment systems and technologies is a challenging task as over regulation could slow innovation, while under regulation could lead to compromised financial stability and security of the digital payment system. This paper therefore argues that there is need to find a good balance of the different approaches as a way of ensuring a safe, open and innovative digital financial environment.

7. Future Trends and the Impact of Digital Currencies on Financial Inclusion

CBDCs as well as virtual currencies being the wave of the future hold promise for revolutionizing both national and international finance. With regards to financial inclusion, CBDCs held a lot of promise to provide digitized, government-issued legal tender to complement and rival cryptocurrencies, increase the coverage of payment infrastructures and provide basic banking services to the financially excluded and marginalized. This process could combine two techniques to make payments easier, reduce the expenses of transactions, and enhance the speed of cross-border commerce while preserving financial security. CBDCs are not the only innovation that can positively direct the broad adoption of digital currencies to enhance the financial inclusion of people across the globe: other new technologies include blockchain technology, AI and machine learning. These technologies can enable new models of microfinance, P2P lending, and real-time payments, suitable to meet those of the excluded populations. The future of cryptocurrencies is equally bright since decentralized ecosystems are increasingly popular for their services' provision beyond the frameworks of the banking sector. Alternative mediums such as Bitcoin, Ethereum, and stablecoins help to pay for goods and services, save, and invest in the financial situations where traditional financial methods are unstable. The

INST report also projections the potential growth and implementation of the digital currency across the globe, explaining that while developed nations will concern its self with CBDCs and regulatory standards, developing nations on the other hand will implement both crypt and blockchain based solutions to bypass dilemmas such as absence of proper banking services. Thus, the use of distributed currencies should rise over the long run gradually across the countries or regions, which will provide for people to have better, more efficient, and more open financial systems in the global economy.

8. Conclusion

In conclusion, there are unarguable merits that linked cryptocurrencies and digital currencies in general with the opportunity to accelerate the enhancement of the current status of financial inclusion by presenting an enhanced secure and less expensive form of basic financial services tools to financially excluded individuals and groups. Main implications for practice also point to the fact that these innovative financial technologies hold potential and promise in filling gaps for the unbanked and underbanked, in regard to payments, savings, and credit access, in both urban and rural settings. Digital currencies play a crucial role in poverty alleviation because they bring such groups into the proper economy and raise financial literacy among the population. However, unlocking them involves considerable cooperation of the government, financial institutions, and technology companies to frame proper rules and regulations, build up infrastructure, and secure the process. Global adoption of digital currencies is still in its initial stages, and different parts of the world have unique approaches to the concept. Digital currencies are becoming prevalent as time elapses, they are a key player in defining the future of financial services, cutting across financial innovation and access.

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