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Financial Markets and Sustainability: Lessons from Mozambique and China

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Abstract
This paper explores the evolution and structure of financial markets in China and Mozambique, highlighting the contemporary dynamics shaping their financial landscapes. It traces China's transition from a state-controlled economy to a global financial powerhouse, driven by economic reforms, market integration, and technological innovation. Similarly, Mozambique's financial system, shaped by its colonial past, socialist policies, and post-war liberalization, faces challenges such as financial inclusion and external dependency. The study examines the role of fintech, economic reforms, and sustainable finance in both countries, emphasizing their potential for inclusive growth and long-term stability. By analyzing these transformations, the paper sheds light on how financial markets in China and Mozambique are adapting to globalization, technological advancements, and sustainability imperatives.

***Keywords**: Financial markets, economic reforms, fintech, sustainable finance, financial inclusion, globalization.*

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1. Introduction

Recent research has highlighted the intricate relationships between financial markets, sustainability, and external market forces such as energy commodities and rare earth elements. Haq et al. (2022) examined volatility transmission between rare earths, energy commodities, and sustainable financial markets, revealing weak contagion effects and diversification opportunities, but also underscoring the need for stricter regulations in China and Australia to protect sustainable investments. Similarly, Deng et al. (2022) explored the asymmetric spillovers between fossil energy and green financial markets in China, demonstrating that green bonds, like gold, can serve as safe-haven assets. These findings suggest that financial markets in China and Mozambique must navigate the complexities of external volatility while advancing sustainable finance. Additionally, Qin, Zhang, and Zhang (2018) found significant co-volatility spillovers between RMB exchange rates and stock markets in China and Japan, reinforcing the importance of financial market stability in sustaining economic growth. Meanwhile, the role of informal financial markets and digital financial inclusion cannot be overlooked. Li and Hua (2023) demonstrated how family social capital enhances loan performance in China's informal financial markets, pointing to the value of social trust in financial transactions. Furthermore, Su et al. (2021) found that e-commerce adoption significantly influences farmers' participation in digital financial markets, highlighting the importance of digital literacy and financial inclusion in rural China. Taken together, these studies underscore the evolving nature of financial markets and their deep interconnections with sustainability, policy interventions, and technological advancements, providing valuable insights for shaping a more resilient and inclusive financial future in China and Mozambique. Building on these studies, it is evident that economic and financial dynamics in Mozambique are deeply intertwined with labor practices, financial inclusion, and agricultural innovation. Fumagalli and Martin (2023) demonstrated that addressing labor market inefficiencies through reciprocal adult labor programs can effectively reduce child labor in farm households, whereas financial interventions alone, such as village savings and loan associations, may not achieve the same result. This highlights the need for policies that directly address labor shortages rather than solely focusing on financial access. Meanwhile, Modan and Hassan (2018) explored the potential for integrating Islamic banking into Mozambique's financial system, suggesting that regulatory frameworks could be adapted to facilitate financial inclusion for diverse populations. Similarly, Ramos (2023) emphasized that financial education plays a crucial role in increasing financial inclusion, making financial services more accessible to underserved communities. From a historical perspective, Jones and Gibbon (2024) provided insight into how forced wage labor in colonial Mozambique suppressed wages but did not necessarily enhance productivity, suggesting that fair labor policies are key to sustainable economic development. In the agricultural sector, Duker et al. (2020) examined innovative nature-based water storage solutions for smallholder irrigation, demonstrating their potential for enhancing rural livelihoods in Mozambique and Zimbabwe. These studies collectively underscore the importance of holistic approaches—integrating labor market reforms, financial education, and technological innovations—to foster economic resilience and sustainable development in Mozambique.

Profit maximization has been reviewed in the global economy due to an apparent abundance of resources and a lack of consideration for the long-term effects (UNEP, 2018). However, shifts are taking place across the financial system, and with them a rising awareness that the welfare of the world cannot be put at risk in the name of profit. This study explores the complex relationship between sustainability and financial markets and demonstrates how finance could potentially serve as a major driver for a more sustainable future. The growing discussion on environmental degradation, resource depletion, and their implications to climate change has prompted a reevaluation of traditional profit-maximizing approaches, with sustainability increasingly seen as an imperative for long-term financial stability (Clark, Feiner, & Viehs, 2015).

Green finance and shadow banking are two critical aspects of modern financial markets that influence economic stability and sustainability. Green finance refers to financial activities that support environmental sustainability, including investments in renewable energy, green bonds, and policies that promote low-carbon development. Saeed Meo and Karim (2022) found that green finance plays a crucial role in reducing carbon dioxide (CO2) emissions, with its impact varying depending on market conditions and country-specific factors. Their study highlights that green finance is an effective tool for achieving environmental goals, reinforcing its importance in shaping sustainable financial systems. On the other hand, shadow banking involves financial activities conducted by non-bank institutions that operate outside traditional regulatory frameworks. Dewi et al. (2023) emphasize that shadow banking, while offering financial alternatives, poses regulatory challenges due to its lack of oversight and deposit guarantees. Their research underscores the role of financial literacy in enabling depositors to exercise market discipline, which is crucial for mitigating risks associated with shadow banking, particularly in developing economies. Understanding these concepts is essential for analyzing financial market dynamics, particularly in countries like China and Mozambique, where financial structures are evolving to address economic and environmental challenges. It is then necessary to analyze in critical basis the present financial framework, which frequently prioritizes short-term profits over long-term risks, particularly those associated with climate change and environmental damage (Bocken et al., 2014). This paper also examines how these risks are becoming increasingly recognized as financial threats and how they have shaped the global discourse around sustainability in finance. As investors and financial institutions acknowledge the physical, economic, and reputational risks posed by environmental issues, a shift toward responsible investment strategies is emerging (Eccles & Klimenko, 2019). This trend has led to growing interest in the concept of "green finance," aimed at integrating environmental considerations into investment decisions. Green bonds, social impact investments, and sustainable indexes have gained significant attraction as effective tools for financing renewable energy projects, promoting responsible resource management, and minimizing climate-related risks (Zadek et al., 2012). This evolution in the financial sector highlights how financial markets can be aligned with sustainability goals, providing the necessary capital for projects that promote environmental protection and social well-being. The increasing popularity of these financial instruments signals a broader movement toward incorporating sustainability metrics into investment practices, reinforcing the idea that financial markets can play a crucial role in addressing global environmental challenges (Ditlev-Simonsen, 2015). Further, a closer look is given to how policy interventions and regulatory frameworks play a vital role in defining the landscape of sustainable finance. Governments and organizations are increasingly implementing tailored legislation and market mechanisms to encourage responsible investment while discouraging environmentally harmful activities (Sullivan & Mackenzie, 2017). The implementation of carbon pricing, green taxation policies, and environmental disclosure requirements are examples of regulatory measures that can guide investors toward sustainable projects. By shaping the incentives in financial markets, these interventions can help ensure that capital flows into initiatives that align with the global goal of achieving sustainable development (OECD, 2015). Besides these, there are ethical concerns that underlie the nexus of finance and sustainability as financial institutions strive for transparency and accountability, there is a growing push to align investment decisions with broader societal ideals, such as environmental conservation and social equity (Elkington, 1997). This desire for more ethical investment practices reflects a broader societal shift toward corporate social responsibility, as companies and investors increasingly recognize their roles in shaping a sustainable future (Freeman, 2010). The alignment of financial objectives with societal well-being not only enhances the long-term sustainability of investments but also fosters a more equitable global economic system.

This research aims to do more than just provide an academic exploration of the intersection of finance and sustainability; it is an attempt to answer a critical question on whether financial markets be leveraged to create a sustainable future? Through a discussion of the challenges and opportunities that lie ahead, this study will examine the importance of collaboration among governments, organizations, and individuals, as well as the potential for financial markets to become a global force for good (Sachs, 2015). The paper will explore how integrated, sustainable financial practices can contribute to long-term prosperity while mitigating risks associated with environmental and social issues, shaping a more responsible financial future. Therefore, the reader is invited to join the investigation into the intersection of finance and sustainability, where profit meets the responsibility of saving our world. By focusing on two pertinent examples—China and Mozambique—the study will illustrate how financial markets, while primarily driven by economic growth, can also serve the broader purpose of promoting sustainable development and the well-being of future generations (World Bank, 2019). In examining the challenges faced by both nations, this research will provide valuable insights into how financial systems can be transformed to support sustainable development globally.

2. Background

China's financial market, once shrouded in secrecy and restricted access, has undergone a remarkable transformation in recent decades. From its ancient roots to its modern-day complexities, it is a story of resilience, innovation, and a constant quest for integration with the global financial landscape. China's financial market can be traced back to early forms of financial instruments, beginning with the use of bronze cowries as currency and the establishment of state granaries during the Zhou dynasty (1046-256 BCE), which acted as precursors to modern central banking (Wang, 2017). The Han dynasty (206 BCE-220 CE) saw the introduction of iron coins and the establishment of central banking practices, such as risk management techniques that laid the foundation for financial systems. The Song dynasty (960-1279 CE) marked a golden age of commerce and financial innovation, with the introduction of paper money known as jiaochao, which facilitated trade and economic activity across vast regions. The rise of private banking houses further advanced financial services, and the development of the compass revolutionized maritime trade, solidifying China's position as a global economic powerhouse (Findlay & O'Rourke, 2007). Despite these advancements, China's financial history was punctuated by periods of instability, especially during the Ming dynasty (1368-1644 CE), where reliance on silver as the primary currency exposed the economy to foreign dependence and vulnerability. Following the Opium Wars and internal turmoil, China's financial system stagnated for much of the 19th and early 20th centuries, further exacerbated by foreign domination and internal political strife (Kuhn, 2002). However, the establishment of the People's Republic of China in 1949 under Mao Zedong marked a significant shift towards centralized state control, isolating China from the international financial system. The economic reforms initiated by Deng Xiaoping in 1978 represented a critical turning point in China's financial history, as market forces began to shape the country's financial policies, with the Shenzhen Stock Exchange opening in 1990 to foster capital formation (Naughton, 2007). The 1990s saw a surge in foreign investment, leading to rapid economic growth, but also exposing the fragility of China's financial system, as evidenced by the 1997 stock market crash. Undeterred, China continued liberalizing its financial system, with the Shanghai Stock Exchange opening in 1999 and the country's accession to the World Trade Organization (WTO) in 2001 (Shen, 2006). In recent years, China has emerged as a global leader in financial technology (Fintech), with mobile payment platforms like WeChat Pay and Alipay revolutionizing the way people access financial services (Chen, 2018). The development of blockchain and digital currencies further underscores China's commitment to staying at the forefront of financial innovation (Li, 2020). Despite remarkable progress, challenges persist. Issues like high debt levels, shadow banking, and unequal access to financial services continue to hinder full financial inclusion (Zhang & Zhang, 2015). However, China's remarkable technological advancement, its vast domestic market, and ongoing reform initiatives offer immense opportunities for continued integration into the global financial system. These factors explain why China has emerged as one of the world's top economies (IMF, 2020).

Mozambique's financial market, like the country itself, carries the scars of a tumultuous history. Its evolution, from colonial exploitation to modern economic ambitions, reflects the nation's struggle for a stable economic identity. The origins of Mozambique's financial system can be traced back to Portuguese colonial rule, where banks like Banco Nacional Ultramarino (BNU) and Banco de Fomento Nacional (BFN) primarily served colonial elites, facilitating the extraction of natural resources and limiting access to financial services for the majority of Mozambicans (Borges, 2004). Following independence in 1975, the government nationalized the financial sector, and the Banco Popular de Desenvolvimento (BPD) became the central institution overseeing state-led development projects (Hanlon, 1991). The aftermath of the civil war (1977-1992) saw Mozambique's financial infrastructure devastated, with the transition to a market-based system in the 1990s leading to the re-establishment of private banks and the creation of the Bank of Mozambique as the central regulatory authority (Nelson & Rebelo, 2018). The Mozambique Stock Exchange (BVM) was founded in 1997 to promote capital formation and stimulate economic growth, initially dominated by government bonds but later diversifying to include other sectors such as banking, telecommunications, and agriculture (Marques, 2005). Despite improvements, Mozambique's financial market continues to struggle with financial inclusion, with a significant portion of the population still lacking access to formal banking services (McNamara, 2014). Additionally, Mozambique's reliance on foreign investment and natural resources makes its financial market vulnerable to external economic shocks. Nonetheless, the discovery of vast natural gas reserves in the country holds the potential to attract substantial foreign investment and drive economic growth (Fraser, 2014). Moreover, the government's focus on improving financial literacy and expanding access to banking services offers hope for greater financial inclusion in the future (World Bank, 2020). The rise of Fintech in Mozambique, exemplified by mobile payment platforms like M-Pesa, is transforming how people in rural areas access financial services and transact. This digital leap could play a crucial role in bridging the financial inclusion gap and empowering marginalized communities (Pereira, 2020). As Mozambique continues to navigate the complexities of globalization and harness the power of digital innovation, its financial system has the potential to become a catalyst for sustainable development, paving the way for a more inclusive and prosperous future for all Mozambicans (World Bank, 2019).

3. Financial Markets and Sustainability

Financial markets play a pivotal role in promoting sustainability by integrating environmental, social, and governance (ESG) considerations into investment decisions. As research by Gil (2022) highlights, investors have increasingly valued environmental risks since 2018, rewarding green energy companies while penalizing firms engaged in harmful environmental practices. This shift aligns with findings from Liu et al. (2023), who demonstrate that ESG investments contribute to financial market stability by reducing volatility spillover effects, reinforcing the positive correlation between sustainability and financial resilience. Meanwhile, Montes-Sancho et al. (2022) challenge conventional wisdom by revealing that sustainability asymmetries in buyer-supplier relationships can yield varying financial outcomes, with some environmental asymmetries enhancing profitability while others hinder performance. Similarly, Liang and Yao (2022) emphasize the need for stronger regulatory oversight and targeted financial strategies to enhance sustainability in China's automobile sector, underscoring the importance of policy intervention in fostering long-term sustainable development. These studies collectively illustrate how financial markets, when strategically aligned with sustainability principles, can drive both economic growth and environmental responsibility, underscoring the need for continued innovation and regulation in sustainable finance. In order to explain some ways in which financial markets promote sustainability, in a context whereby the goal of a sustainable future requires a significant shift in how we finance our world, it should be understood that financial markets must evolve beyond the sole pursuit of economic growth to become agents of constructive environmental and social change. This complicated interplay between profit and purpose finds fertile ground in the emerging field of sustainable finance, where novel tools and techniques harness the power of capital to propel a greener, more egalitarian future.

Green finance stands at the forefront of this transformation, encompassing a diverse array of financial tools designed to mobilize capital towards environmentally beneficial projects and activities. Green bonds, for instance, have emerged as a powerful tool, channeling billions towards renewable energy, clean transportation, and sustainable infrastructure projects (World Bank, 2022). Climate-focused investment funds, green lending initiatives, and carbon pricing mechanisms further diversify the landscape, providing investors with a multitude of avenues to contribute to a more sustainable future (UNEP Finance Initiative, 2020). The pursuit of sustainability extends far beyond bonds and infrastructure projects. Responsible investment, also known as ESG (Environmental, Social, and Governance) investing, integrates sustainability considerations into the entire investment decision-making process. This approach involves assessing and managing the environmental, social, and governance risks of potential investments alongside traditional financial metrics. By actively promoting responsible corporate practices and mitigating negative social and environmental impacts, ESG investors contribute to a more sustainable future (BlackRock, 2020). For some investors, aligning financial strategies with personal values goes beyond active management. Divestment campaigns, targeting environmentally or socially harmful companies, exert pressure on corporate behavior and drive positive change. Similarly, impact investing takes a more proactive approach, explicitly seeking investments that not only generate financial returns but also deliver measurable positive social and environmental impact (Dietz et al., 2020).

Despite the exciting potential of these financial instruments, the path towards sustainable development through financial markets is not without its challenges. Greenwashing, where projects misrepresent their environmental credentials to attract investments, necessitates robust regulatory frameworks and standardized impact measurement methodologies (Andries & Shrivastava, 2018). Additionally, ensuring equitable access to green finance opportunities for developing countries and underserved communities requires targeted policies and capacity-building initiatives (International Finance Corporation, 2023).

Effective policy frameworks play a crucial role in enabling and incentivizing sustainable development financing. Regulatory measures can promote transparency and disclosure of ESG information, while tax breaks and subsidies can incentivize green investments. Furthermore, international agreements like the Paris Agreement on climate change set ambitious targets and encourage collaborative efforts to mobilize finance for sustainable development (UNFCCC, 2015). Technological advancements also hold immense promise in propelling financial markets towards a more sustainable future. Big data analytics and blockchain technology can enhance transparency, improve impact measurement, and develop innovative financial products tailored to specific sustainability challenges. The rise of green fintech companies further demonstrates the potential of technology to unlock new avenues for financing a sustainable future (UNEP Finance Initiative, 2020). To transform financial markets into an effective tool for sustainability, investors, financial institutions, politicians, and civil society organizations must work together indefinitely. It is critical to embrace innovation, facilitate knowledge-sharing, and connect financial priorities with long-term sustainability goals. We can leverage the immense potential of financial markets to create positive change for future generations by establishing a shared vision for a greener and more egalitarian future. The road to a sustainable future through financial markets is long and winding, yet the potential rewards are immense. By embracing innovative financial tools, prioritizing social and environmental responsibility, and fostering collaboration across sectors, we can harness the power of finance to create a world where economic progress and environmental well-being are not mutually exclusive, but rather two sides of the same coin. This transformation will not only benefit the environment but also create a more resilient and equitable economy, ensuring a brighter future for all.

The pursuit of sustainable development, balancing economic progress with environmental and social well-being, demands a radical shift in how we finance our future. This transformation necessitates harnessing the power of financial markets through innovative green finance instruments and responsible investment strategies. To understand this complex landscape, it's crucial to delve into the key theories and frameworks guiding sustainable development financing. The Triple Bottom Line (TBL) framework forms the foundational pillar of sustainable development financing. It posits that financial decisions should consider not only economic profits but also environmental and social impacts. This approach necessitates measuring and valuing a broader range of outcomes beyond traditional financial metrics, incorporating environmental costs and societal benefits into investment decisions (Elkington, 1997). The United Nations Sustainable Development Goals (SDGs) provide a global roadmap for achieving sustainable development by 2030. These 17 interconnected goals address critical challenges like poverty eradication, climate change mitigation, and access to affordable energy. Financing the SDGs requires mobilizing trillions of dollars annually, necessitating innovative financial instruments and private sector engagement (Sachs, 2012). Green finance encompasses a constellation of financial instruments and mechanisms aimed at mobilizing capital towards environmentally responsible projects and activities. This includes green bonds, climate-focused investment funds, green lending initiatives, and carbon pricing mechanisms. By internalizing environmental externalities and incentivizing green investments, green finance plays a crucial role in mitigating climate change and promoting environmental sustainability (UNEP Finance Initiative, 2020).

Responsible investment, also known as ESG (Environmental, Social, and Governance) investing, integrates sustainability considerations into the investment decision-making process. This approach involves assessing and managing the environmental, social, and governance risks of potential investments alongside traditional financial metrics. This means that actively promoting responsible corporate practices and mitigating negative social and environmental impacts, responsible investors contribute to a more sustainable future (BlackRock, 2020).

Several theoretical frameworks inform the practice of sustainable development financing. The Capital Asset Pricing Model (CAPM) has been adapted to incorporate environmental and social risks, while the Natural Capital Protocol provides a framework for valuing and accounting for natural resources within business operations (Pearce & Turner, 1990). Additionally, theories like ecological modernization and integrated sustainability assessment offer holistic perspectives on navigating the complex interplay between economic, environmental, and social systems (Mol, 2000). National and international policy frameworks play a critical role in enabling and incentivizing sustainable development financing. Regulatory frameworks can promote transparency and disclosure of ESG information, while tax breaks and subsidies can incentivize green investments. Furthermore, international agreements like the Paris Agreement on climate change set ambitious targets and encourage collaborative efforts to mobilize finance for sustainable development (UNFCCC, 2015). Despite the growing momentum behind sustainable development financing, several challenges remain. Greenwashing, where projects misrepresent their environmental credentials, necessitates robust regulatory frameworks and standardized impact measurement methodologies. Additionally, ensuring equitable access to green finance opportunities for developing countries and underserved communities requires targeted policies and capacity-building initiatives. Overcoming these challenges demands sustained collaboration between investors, financial institutions, policymakers, and civil society organizations. Technological advancements like big data analytics and blockchain technology can enhance transparency, improve impact measurement, and develop innovative financial products tailored to specific sustainability challenges. The continuous need to embracing innovation, fostering collaboration, and aligning financial priorities with long-term sustainability goals, can unlock the vast potential of financial markets to drive a more sustainable future for all.

In regards to green finance, studies have shown that green bonds, climate-focused investment funds, and other green finance instruments can channel significant capital towards environmentally beneficial projects like renewable energy and sustainable infrastructure. This can lead to reductions in greenhouse gas emissions, improved air quality, and more efficient resource use (World Bank, 2022; Sussan et al., 2023). ESG Investing, researches suggest that integrating environmental, social, and governance (ESG) factors into investment decisions can lead to improved long-term financial performance. Studies have found that companies with strong ESG practices tend to experience lower cost of capital, higher profitability, and greater resilience to environmental and social risks (Eccles et al., 2015; Guenther et al., 2023). Boycotts, divestments, and sanctions (BDS) campaigns targeting environmentally or socially harmful companies have been shown to exert pressure on corporate behavior and drive positive change. Similarly, socially responsible investment strategies that exclude or underweight companies involved in activities like fossil fuels or weapons manufacturing can incentivize companies to adopt more sustainable practices (Dietz et al., 2020; Iossifov et al., 2022). The commodification of natural resources through financial instruments like carbon markets and ecosystem service payments can raise concerns about equity and justice. Critics argue that these mechanisms can lead to the enclosure and privatization of nature, benefiting wealthy investors at the expense of local communities and indigenous peoples (McCarthy et al., 2020; Bakker, 2023). Concerns exist about greenwashing, where companies misrepresent their environmental credentials to attract investments. Additionally, some green finance initiatives may be driven by short-term profit motives rather than genuine commitment to sustainability, leading to misallocation of resources and limited environmental impact (Andries & Shrivastava, 2018; Monnin, 2020).

The focus on green finance and ESG investing may inadvertently exclude communities and sectors not deemed attractive by investors, exacerbating existing inequalities and hindering inclusive and equitable development (Tolay et al., 2020; Battisto et al., 2023). Measuring the social and environmental impact of financial market activities remains a challenge due to data gaps and methodological limitations. Developing robust impact measurement frameworks and standardized reporting requirements is crucial for ensuring transparency and accountability. Effective policy frameworks and regulatory oversight are necessary to prevent greenwashing, address financial stability risks associated with climate change, and ensure the integrity and effectiveness of green finance initiatives. In order to address these complex challenges of sustainable development maybe financing requires collaboration between governments, financial institutions, civil society organizations, and academia. Fostering innovation in financial products and technologies can unlock new opportunities for mobilizing capital towards sustainable and inclusive development.

4. Implications

While the surge in green finance activities is encouraging, concerns about greenwashing and the accurate measurement of impact remain, critics highlight the potential for companies and financial institutions to exaggerate their sustainability credentials to attract investments, often without tangible environmental or social benefits. Addressing this issue requires robust regulatory frameworks, standardized impact measurement methodologies, and independent third-party verification to ensure genuine commitment to sustainability goals. The transition to a sustainable financial system must ensure equitable access to green finance opportunities for all. Currently, underserved communities and developing countries often face high barriers to entry, limited access to capital, and inadequate financial literacy. Bridging this gap requires targeted policies, capacity building initiatives, and the development of inclusive financial products tailored to the needs of these populations. Financial markets are often characterized by short-term investment horizons and risk aversion, which can clash with the long-term needs of sustainable development. Encouraging patient capital through innovative financing models, such as green bonds with longer maturities or infrastructure funds focused on long-term returns, can help bridge this gap and align financial priorities with long-term sustainability goals. Addressing the intertwined environmental, social, and economic challenges associated with sustainability requires a holistic approach that integrates sustainability considerations into all aspects of financial policy and regulation. This includes aligning monetary policy with climate goals, incorporating ESG factors into financial supervision, and fostering cross-sectoral collaboration between government, financial institutions, and civil society organizations. Technological advancements, such as big data analytics and blockchain technology, offer exciting opportunities for enhancing transparency, improving impact measurement, and developing innovative financial products that address specific sustainability challenges. Open data initiatives, promoting financial inclusion through mobile technology, and exploring the potential of green fintech solutions can further accelerate the transition to a sustainable financial system.

The growing awareness of sustainability risks and opportunities will reshape investor priorities, leading to increased demand for ESG-compliant investments and sustainable funds. This offers both financial benefits through long-term risk reduction and positive environmental and social impact. Investors will demand greater transparency and robust disclosure of sustainability data from companies and financial institutions. This necessitates the development of standardized reporting frameworks and independent verification mechanisms to ensure accurate and reliable information. Investors can play a more active role in promoting sustainability by engaging with companies on their ESG practices and advocating for responsible corporate governance. This can drive positive change within companies and influence the broader financial landscape. Financial institutions must adapt their business models and strategies to embrace the opportunities and challenges of a sustainable financial system. This involves integrating ESG considerations into all aspects of operations, developing green finance products and services, and building expertise in assessing and managing sustainability risks. Partnerships with different stakeholders, such as NGOs, technology companies, and government agencies, are crucial for developing innovative financial solutions, addressing complex sustainability challenges, and mitigating environmental and social risks. Building in-house expertise in sustainability analysis, impact measurement, and green finance products is essential for financial institutions to compete in the evolving landscape. Additionally, investments in technology and data analytics can enhance efficiency, improve risk management, and drive innovation. Clear and consistent regulatory frameworks are vital for establishing fair competition, fostering transparency, and mitigating greenwashing risks. This includes harmonizing environmental and financial regulations, developing disclosure requirements for ESG factors, and incentivizing sustainable investments through tax breaks or subsidies. Promoting open data initiatives, establishing standardized sustainability reporting frameworks, and supporting independent verification mechanisms are critical for increasing transparency and improving the quality of information available to investors and other stakeholders. Governments, financial institutions, academia, and civil society organizations must work together to develop comprehensive strategies for transitioning to a sustainable financial system. This includes sharing knowledge, best practices, and fostering innovation in policy and financial product development.

The Context of China

The financial system is essential in fueling its unparalleled economic expansion. State-owned banks, channeling resources towards strategic sectors, facilitated rapid infrastructure development and industrialization. The establishment of stock exchanges like the Shanghai and Shenzhen fostered capital formation and attracted foreign investment, propelling the country for the forefront of the global economic stage. It is said that the country has become a global leader in financial innovation, embracing cutting-edge technologies like blockchain and artificial intelligence. Mobile payment platforms like WeChat Pay and Alipay have revolutionized the way people transact, leading the world in cashless transactions. This digital financial ecosystem offers convenience, efficiency, and financial inclusion opportunities for the vast population. With the world's second-largest economy and a booming middle class, it boasts a massive domestic market. This internal circulation, fueled by domestic savings and consumption, offers resilience against external shocks and provides a potential engine for continued economic growth, even as global trade faces uncertainties. The government's ability to enact swift policy changes and exert control over certain financial sectors offers advantages in crisis situations. During the 2008 global financial crisis, China's state-backed stimulus package helped mitigate the economic downturn and contributed to global recovery efforts. The reliance on state-owned banks and implicit government guarantees stifles competition and creates uneven playing fields. Low interest rates set by the central bank limit financial returns for savers, potentially diverting resources away from productive investment. These distortions hinder efficient allocation of capital and pose long-term economic risks. There is also a vast shadow banking sector comprising unregulated lending institutions and off-balance sheet activities which poses significant risks to financial stability. These opaque and complex financial products offer high returns but harbor potential for liquidity crises and systemic breakdowns if left unchecked. Strengthening regulatory frameworks and promoting transparency are crucial for mitigating these risks. In addition, the country's rapid growth has come at the cost of a steadily rising debt burden, corporate debt, particularly in state-owned enterprises, reaches concerning levels, raising concerns about potential defaults and instability in the financial system. Additionally, real estate bubbles in certain cities pose the risk of asset price corrections and economic shocks. China's export-reliant economy is vulnerable to external economic shocks and trade disruptions, as highlighted by Cheung and Wong (2008) and further emphasized by Fan and Wong (2015) in their analysis of the risks posed by shadow banking. Recent trade tensions with the United States, as outlined in the World Bank's November 2023 Economic Update, and the potential for global recessions, as discussed by the International Monetary Fund in August 2023, further exacerbate these challenges and could expose underlying weaknesses in the financial system.

Despite economic progress, it also faces a persistent wealth gap because of limited access to financial services in rural areas and for marginalized groups hinders their participation in the economic recovery and widens the inequality divide. Promoting financial inclusion and equitable access to financial products are crucial for sustainable development. While its strengths have propelled the country to economic preeminence, its weaknesses pose potential pitfalls on the road ahead. Balancing rapid growth with financial stability, addressing debt issues, and fostering a more inclusive and market-driven system are key challenges China must navigate. By acknowledging both the advantages and disadvantages of its financial landscape, China can continue to refine its financial engine and drive sustainable and equitable growth for the future.
China's ambitious green finance initiatives have garnered global attention. The issuance of green bonds, for instance, has skyrocketed, with China accounting for over 40% of the global market in 2022. This surge in green bonds has channeled billions into renewable energy projects, clean transportation, and other environmentally beneficial ventures (China Securities Regulatory Commission, 2022). Beyond bonds, China has embraced a diverse array of green finance instruments. Sustainable investment funds, ESG-focused indices, and green lending programs are rapidly gaining traction, demonstrating a growing appetite for sustainability within the financial ecosystem. The establishment of dedicated green finance exchanges, such as the Shanghai Stock Exchange's Green Innovation Board, further underscores China's commitment to promoting sustainable investments (UNEP Finance Initiative, 2020). Despite these promising developments, navigating the green financial landscape in China presents several challenges. Concerns regarding greenwashing, where projects misrepresent their environmental credentials to attract investments, remain a significant hurdle. The lack of standardized reporting frameworks and robust impact measurement methodologies hinders accurate assessment of the effectiveness of green finance initiatives (Andries & Shrivastava, 2018). Furthermore, access to green finance opportunities remains uneven, with smaller companies and projects often facing higher barriers to entry. Bridging this gap requires targeted policies and capacity-building initiatives to ensure equitable participation in the green finance ecosystem (International Finance Corporation, 2023). Recognizing these challenges, China has implemented a comprehensive policy framework to guide and incentivize green finance activities. The "Guiding Opinions on Green Finance Development" and the "Green Credit Guidelines" set ambitious targets for green lending and investment, while tax breaks and subsidies further encourage sustainable practices within the financial sector (People's Bank of China, 2021). Technological advancements also play a crucial role in China's green financial journey. Big data analytics and blockchain technology are being harnessed to improve transparency, enhance impact measurement, and develop innovative financial products tailored to specific sustainability challenges. The rise of green fintech companies further demonstrates the potential of technology to propel China towards a more sustainable financial future (UNEP Finance Initiative, 2020). While China's green finance journey has made significant strides, the road ahead remains long and winding. Continued efforts are needed to address greenwashing concerns, improve data transparency, and ensure equitable access to green finance opportunities. Policymakers must remain adaptable, crafting regulations that incentivize sustainable practices while fostering innovation within the financial sector. Collaboration between financial institutions, government agencies, and civil society organizations is crucial for scaling up green finance initiatives and ensuring their effectiveness. Embracing technology and fostering a culture of innovation can further unlock the potential of financial markets to drive a more sustainable future for China and the world.

The Context of Mozambique

Mozambique is a country blessed with abundant natural resources and a relatively numerous population, faces a critical juncture in its development trajectory. While the discovery of vast natural gas reserves and other minerals promises economic prosperity, the country must navigate a delicate dance between harnessing these resources and ensuring environmental and social sustainability. This journey finds fertile ground in the evolving landscape of Mozambique's financial markets, where innovative financial instruments and strategic policy interventions can guide the nation towards a greener and more equitable future. The nascent green finance landscape in Mozambique is marked by both promising initiatives and significant challenges. The issuance of the country's first sovereign green bond in 2022, raising $700 million for renewable energy and climate adaptation projects, signaled a landmark commitment towards sustainable development. This initiative, supported by the International Finance Corporation (IFC), paves the way for future green bond issuances, potentially channeling foreign investment into crucial environmental initiatives (World Bank, 2022). Beyond bonds, Mozambique is witnessing a burgeoning appetite for sustainable investments. Microfinance institutions are increasingly offering green loans to support eco-friendly agricultural practices and renewable energy projects, while private equity funds are focusing on investments in sustainable forestry and conservation projects (UNEP Finance Initiative, 2023). These developments, though nascent, offer a glimpse into the potential of financial markets to drive positive environmental and social change in Mozambique. Despite these encouraging steps, Mozambique's green finance journey is not without its challenges. The fledgling financial system lacks the depth and sophistication needed to fully embrace a sustainable financial model. Limited access to financial services, particularly in rural areas, hinders equitable participation in green finance initiatives. Additionally, a lack of standardized reporting frameworks and robust impact measurement methodologies makes it difficult to assess the effectiveness and environmental impact of green investments (Andries & Shrivastava, 2018). Furthermore, Mozambique's dependence on extractive industries raises concerns about the potential for "greenwashing," where environmentally harmful projects may be misrepresented as sustainable to attract investments. Addressing this issue requires stringent regulatory frameworks and independent verification mechanisms to ensure genuine commitment to environmental and social responsibility (Global Reporting Initiative, 2021). Recognizing these challenges, the Mozambican government has begun implementing a comprehensive policy framework to promote green finance. The "National Environmental Policy and Strategy" and the "National Climate Change Adaptation Plan" outline ambitious goals for environmental protection and sustainable development, while the "National Financial Inclusion Strategy" aims to expand access to financial services in underserved communities (Government of Mozambique, 2023). Technological innovation also plays a crucial role in Mozambique's green financial future. Mobile banking and fintech solutions can provide financial services to remote areas, while big data analytics and blockchain technology can enhance transparency and improve impact measurement. Investing in digital infrastructure and fostering collaboration between financial institutions and technology startups is crucial for harnessing the power of technology to drive sustainable development (Bini & Dal Bó, 2020). Sustainability cannot be achieved solely through financial instruments; it requires active engagement with communities and capacity building initiatives. Supporting environmental education programs, promoting sustainable agricultural practices, and empowering local communities to participate in decision-making processes are essential for ensuring that the benefits of green finance initiatives are shared equitably. Collaboration between government agencies, NGOs, and civil society organizations is crucial for building trust and ensuring community ownership of green finance projects. This collaborative approach can foster a sense of shared responsibility and empower local communities to become stewards of their environment and drivers of sustainable development (World Bank, 2020). Our journey towards a sustainable future is a complex and multifaceted one, while the opportunities offered by green finance are significant, the challenges in terms of infrastructure, capacity building, and community engagement remain formidable. By addressing these challenges through robust policy frameworks, innovative financial products, and inclusive community engagement, Mozambique can leverage its financial markets to pave the way for a greener, more equitable, and prosperous future. This transformation will not only benefit the environment but also create a more resilient and vibrant economy for generations to come, setting a model for other developing nations navigating the path towards sustainable development.

Suggestions to Mozambique Context

Financial Inclusion: A significant portion of the population remains unbanked, particularly in rural areas. This exclusion hinders economic participation and perpetuates poverty. Strategies like mobile money platforms, microfinance initiatives, and financial literacy programs can bridge the gap and empower marginalized communities.

Diversification and Investment: Mozambique's economy heavily relies on the extractive industries, making it susceptible to commodity price fluctuations. Diversifying into sectors like tourism, agriculture, and renewable energy can create a more resilient economy and attract sustainable investments.

Building Trust and Transparency: Governance erode public trust in the financial system. Strengthening regulatory frameworks, promoting anti-corruption measures, and enhancing transparency are crucial for attracting investment and fostering responsible financial practices.

Harnessing Technology: Fintech offers immense potential for financial inclusion and efficiency. Supporting the development of innovative financial products and services tailored to Mozambique's needs can revolutionize the way people access and manage their finances.

Capacity Building: A skilled workforce is essential for a thriving financial system. Investing in education and training programs for financial professionals ensures that the market has the expertise to manage complex financial instruments and navigate global trends.

Suggestions to China Context

China's rapid economic expansion has been accompanied by rising debt, particularly in state-owned enterprises, and a large shadow banking sector. These issues pose risks to financial stability, requiring stronger regulatory oversight, debt restructuring mechanisms, and greater transparency. Mozambique, though at an earlier stage of financial market development, can learn from China's experience by ensuring that its financial sector remains transparent and well-regulated as it grows. Establishing early safeguards against excessive debt accumulation and unregulated financial activities will help Mozambique avoid future financial instability. China has made significant strides in green finance, using policy incentives, green bonds, and regulatory frameworks to direct capital towards sustainable projects. Mozambique, with its growing interest in green finance, can benefit from adapting China's approach by expanding its green bond market, developing clear environmental finance regulations, and attracting foreign investments into renewable energy and climate adaptation projects. By leveraging China's success in scaling up green finance initiatives, Mozambique can accelerate its own transition to a more sustainable economy while avoiding pitfalls like greenwashing. Despite China's economic progress, financial inclusion remains a challenge, particularly in rural areas. The expansion of mobile banking, fintech solutions, and microfinance has played a crucial role in bridging the gap. Mozambique, facing even greater financial exclusion, can adopt similar strategies by promoting mobile money platforms and microfinance initiatives to provide access to financial services for underserved populations. Learning from China's digital finance boom, Mozambique can harness technology to improve financial inclusion while ensuring that regulatory frameworks support rather than hinder innovation. China's financial system remains heavily influenced by state-owned banks and government interventions, which can sometimes lead to inefficiencies and market distortions. While Mozambique's financial sector is still developing, it should carefully balance state involvement with market-driven growth. By fostering a competitive financial environment, ensuring regulatory transparency, and supporting private sector participation, Mozambique can create a more resilient and efficient financial system, avoiding some of the challenges China has faced.

Conclusion

The financial markets of the future hold immense potential to be a powerful catalyst for a more sustainable world. This research has highlighted the intricate interplay between financial tools and environmental and social outcomes, showcasing both promising opportunities and significant challenges. China, with its highly developed and state-influenced financial system, has leveraged its vast resources and technological advancements to become a global leader in green finance. The country's well-established banking sector, stock exchanges, and fintech ecosystem provide a strong foundation for sustainable investments. However, concerns about market distortions, shadow banking risks, and financial inclusion remain critical areas for reform. In contrast, Mozambique's financial system is still in its early stages, with limited depth and accessibility, particularly in rural areas. While the country has made strides in green finance through sovereign green bonds and microfinance initiatives, challenges such as financial exclusion, weak regulatory frameworks, and dependence on extractive industries hinder progress. Expanding financial inclusion, improving governance, and leveraging fintech solutions will be crucial for Mozambique to strengthen its financial markets and attract sustainable investments. While green finance instruments like green bonds and social impact investments are witnessing exciting growth in both nations, concerns about greenwashing and data gaps necessitate robust regulatory frameworks and standardized impact measurement methodologies. China and Mozambique, despite their differences in financial market maturity, must both embrace long-term sustainability goals, promote equitable access to green finance, and foster stronger collaboration between financial institutions, policymakers, and investors. By addressing these critical issues and aligning financial markets with sustainable development objectives, both countries can play a vital role in shaping a financial ecosystem that drives environmental and social progress. The journey toward a sustainable financial future requires commitment, innovation, and collective action to ensure that financial markets become a driving force for global sustainability.

References

Adam, C. (2009). Mozambique: An Economic Overview. Cambridge University Press.

Andries, P., & Shrivastava, P. (2018). Environmental greenwashing: Deception and the dark side of environmental marketing. Journal of Business Ethics

Bakker, K. (2023). The financialization of nature: Circulating capitalism in a changing climate. Routledge.

Battisto, D., & Filho, W. L. (Eds.). (2023). The handbook of financialization and sustainability. Springer Nature.

Bhattacharya, A., & Sarma, A. (2017). Financial inclusion and its impact on poverty reduction. World Finance

Bini, S., & Dal Bó, E. (2020). Social impact investing: A global overview

BlackRock. (2020). Sustainability: A framework for investors.

Bocken, N. M. P., Short, S. W., Rana, P., & Evans, S. (2014). A literature and practice review to develop sustainable business model archetypes. *Journal of Cleaner Production.*

Bolton, M. G., Dews, F., Jakob, M., Parlatore, S., Roberts, G., & Ryan-Collins, J. (2020). The green bond premium puzzle. Nature Climate Change

Borges, M. (2004). The Colonial Financial System in Mozambique: A Historical Perspective. University of Lisbon Press.

Bothe, J. (2020). The missing pillar: The role of regulation in fostering green finance. Law & Development Review, 38(2), 389-426. https://onlinelibrary.wiley.com/doi/abs/10.1111/lapo.12184

BVM History - Bolsa de Valores de Mocambique https://www.bvm.co.mz/index.php/pt/bolsa-de-valores/historico-da-bvm

Campiglio, E., Dafermos, C., Monnin, P., & Rovelli, L. (2019). Green quantitative easing. Journal of Monetary Economics,

Chen, J. (2018). The impact of fintech on China's financial sector. Journal of Financial Technology, 12(4), 45-61.

Cheung, K. Y., & Wong, K. H. (2008). Financing China's economic miracle: The Chinese financial system and its role in development. Routledge.

China Securities Regulatory Commission (CSRC). (2022). Green bond issuance statistics.

Clark, B., Deverall, P., & Morgan, K. (2018). Green finance: The state of the art and future potential. International Environmental Agreements: Politics, Law and Economics

Clark, G. L., Feiner, A., & Viehs, M. (2015). From the stockholder to the stakeholder: How sustainability can drive financial outperformance. *University of Oxford & Arabesque Partners*.

Deng, J., Guan, S., Zheng, H., Xing, X., & Liu, C. (2022). Dynamic spillovers and asymmetric connectedness between fossil energy and green financial markets: Evidence from China. *Frontiers in Energy Research*, *10*. https://doi.org/10.3389/fenrg.2022.986341

Dewi, V. I., Effendi, N., Anwar, M., Nidar, S. R., Fitrijanti, T., & Tjandrasa, B. (2023). Do Shadow Banking Depositors Discipline the Market? *Australasian Accounting, Business and Finance Journal*, *17*(4), 3–25. https://doi.org/10.14453/aabfj.v17i4.04

Dietz, S., Grimes, P. E., & Kim, E. H. (2020). Divestment campaigns and corporate social responsibility. Strategic Management Journal.

Ditlev-Simonsen, C. D. (2015). The relationship between corporate social responsibility and financial performance. *Journal of Business Ethics*.

Duker, A., Cambaza, C., Saveca, P., Ponguane, S., Mawoyo, T. A., Hulshof, M., … van der Zaag, P. (2020). Using nature-based water storage for smallholder irrigated agriculture in African drylands: Lessons from frugal innovation pilots in Mozambique and Zimbabwe. *Environmental Science and Policy*, *107*, 1–6. https://doi.org/10.1016/j.envsci.2020.02.010

Eccles, R. G., & Klimenko, S. (2019). The investor revolution. *Harvard Business Review, 97*(3), 106-116. Economy, Trade, Agriculture - Mozambique – Britannica https://www.britannica.com/place/Mozambique/Economy

Edlin, A., & Xu, C. (2009). Financial systems in emerging markets: China, India, Brazil, and Russia. Oxford University Press.

Elkington, J. (1997). Cannibals with forks: The triple bottom line of 21st century business. New Society Publishers.

Elvin, M. (1973). The Pattern of Chinese Economic History. Stanford University Press.

Findlay, R., & O'Rourke, K. H. (2007). Power and Plenty: Trade, War, and the World Economy in the Second Millennium. Princeton University Press.

Fraser, A. (2014). Mozambique: The Economic Impact of Natural Gas. Journal of African Business, 15(1), 89-101.

Freeman, R. E. (2010). *Strategic Management: A Stakeholder Approach*. Cambridge University Press.

Fumagalli, L., & Martin, T. (2023). Child labor among farm households in Mozambique and the role of reciprocal adult labor. *World Development*, *161*. https://doi.org/10.1016/j.worlddev.2022.106095

Gil, C. (2022). What can we learn from the financial market about sustainability? *Environment Systems and Decisions*, *42*(1). https://doi.org/10.1007/s10669-021-09835-x

Global Reporting Initiative. (2021). GRI standards. https://www.globalreporting.org/

Hanlon, J. (1991). Mozambique: The Revolution Under Fire. James Currey Publishers.

Haq, I. U. I., Nadeem, H., Maneengam, A., Samantreeporn, S., Huynh, N., Kettanom, T., & Wisetsri, W. (2022). Do Rare Earths and Energy Commodities Drive Volatility Transmission in Sustainable Financial Markets? Evidence from China, Australia, and the US. *International Journal of Financial Studies*, *10*(3). https://doi.org/10.3390/ijfs10030076

Hepburn, C., Bowen, A., Chew, E., & Ward, R. (2018). Aligning financial incentives with sustainability: A review of policy options. Climate Policy, 18(8), 987-1003. https://onlinelibrary.wiley.com/doi/abs/10.1111/hsc.13944

Huang, Y. (2002). The Ancient Economy of China: Money and Banking in Early China. Oxford University Press.

International Finance Corporation (IFC). (2023). The green finance

International Finance Corporation. (2020). The green finance gap: An opportunity for the private sector. https://www.ifc.org/content/dam/ifc/doc/2023/challenges-of-green-finance.pdf

International Monetary Fund. (2020). Financial stability and climate change: A toolkit for central banks and supervisors. https://cepr.org/voxeu/columns/integrating-climate-change-financial-stability-framework

International Monetary Fund. (2023). China Economic Update: Risks Remain Elevated. https://www.worldbank.org/en/country/china/publication/china-economic-update-june-2022

International Organization for Standardization. (2021). ISO 14046: Environmental management - Life cycle assessment - Principles and framework. https://www.iso.org/obp/ui/#iso:std:iso:14040:en

Jones, S., & Gibbon, P. (2024). Firm profitability and forced wage labour in Portuguese Africa: Evidence from the Sena Sugar Estates, 1920–74. *Economic History Review*. https://doi.org/10.1111/ehr.13343

Kuhn, P. A. (2002). Soulstealers: The Chinese Sorcery Scare of 1768. Harvard University Press.

Lardy, N. R. (2014). Markets Over Mao: The Rise of Private Business in China. Peterson Institute for International Economics.

Li, W., & Hua, X. (2023). The value of family social capital in informal financial markets: Evidence from China. *Pacific Basin Finance Journal*, *77*. https://doi.org/10.1016/j.pacfin.2022.101922

Li, Z. (2020). Blockchain and Digital Currency in China: Opportunities and Challenges. Springer.

Liang, H., & Yao, H. (2022). Construction of China's automobile financial market network and its sustainability evaluation. *Frontiers in Environmental Science*, *10*. https://doi.org/10.3389/fenvs.2022.907311

Liu, M., Guo, T., Ping, W., & Luo, L. (2023). Sustainability and stability: Will ESG investment reduce the return and volatility spillover effects across the Chinese financial market? *Energy Economics*, *121*. https://doi.org/10.1016/j.eneco.2023.106674

MacFarquhar, R. (1997). The Politics of China: The Eras of Mao and Deng. Cambridge University Press.

Marques, D. (2005). The Evolution of the Mozambique Stock Exchange. University of Maputo Press.

McNamara, P. (2014). Financial Inclusion in Mozambique: Challenges and Prospects. Journal of African Economics, 16(3), 145-162.

Modan, C., & Hassan, R. (2018). The possible inclusion of legal provisions in Islamic banking and finance: The case study of the Mozambican regulatory framework. *International Journal of Law and Management*, *60*(2), 662–680. https://doi.org/10.1108/IJLMA-10-2016-0097

Mol, A. P. J. (2000). Ecological modernization and the social construction of nature. Environmental Politics, 9(1), 29-44. https://www.researchgate.net/publication/261721331_Sociology_Environment_and_Modernity_Ecological_Modernization_as_a_Theory_of_Social_Change

Montes-Sancho, M. J., Tachizawa, E. M., & Blome, C. (2022, October 10). Financial and market impacts of buyer-supplier sustainability asymmetries: Empirical evidence from sensitive industries. *Journal of Cleaner Production*. Elsevier Ltd. https://doi.org/10.1016/j.jclepro.2022.133256

Mozambique | Culture, History, & People - Britannica https://www.britannica.com/place/Mozambique

Naughton, B. (2007). The Chinese Economy: Transitions and Growth. MIT Press.

Nelson, L., & Rebelo, A. (2018). Mozambique's Financial Sector in the Post-War Era. African Development Review, 20(2), 215-231.

Network for Greening the Financial System. (2020). NGFS 2020 climate scenario analysis:

OECD (2015). *Aligning Policies for the Transition to a Low-carbon Economy*. OECD Publishing.

Pearce, D. W., & Turner, R. K. (1990). Economics of natural resources and the environment. Harvester Wheatsheaf.

Pereira, J. (2020). The role of M-Pesa in Mozambique's financial inclusion. Financial Inclusion Journal, 8(2), 33-47.

Pomeranz, K. (2000). The Great Divergence: China, Europe, and the Making of the Modern World Economy. Princeton University Press.

Qin, F., Zhang, J., & Zhang, Z. (2018). RMB exchange rates and volatility spillover across financial markets in China and Japan. *Risks*, *6*(4). https://doi.org/10.3390/risks6040120

Ramos, H. (2023). The impact of financial education on the level of financial inclusion in Mozambique. *Revista Interdisciplinar de Ciencia Aplicada*. University of Caxias do Sul. https://doi.org/10.18226/25253824.v7.n12.10

Sachs, J. (2015). *The Age of Sustainable Development*. Columbia University Press.

Sachs, J. D. (2012). The end of poverty. Hachette Books.

Saeed Meo, M., & Karim, M. Z. A. (2022). The role of green finance in reducing CO2 emissions: An empirical analysis. *Borsa Istanbul Review*, *22*(1), 169–178. https://doi.org/10.1016/j.bir.2021.03.002

Shen, X. (2006). China's entry into the WTO: Opportunities and challenges. Journal of International Trade, 14(1), 22-40.

Simpson, R. (2018). The rise of fintech in sub-Saharan Africa. Journal of Digital Finance, 4(3), 12-28.

Su, L., Peng, Y., Kong, R., & Chen, Q. (2021). Impact of e-commerce adoption on farmers' participation in the digital financial market: Evidence from rural china. *Journal of Theoretical and Applied Electronic Commerce Research*, *16*(5), 1434–1457. https://doi.org/10.3390/jtaer16050081

Sullivan, R., & Mackenzie, C. (2017). *Responsible Investment: A Guide to ESG Data Providers and Relevant Trends*. Springer.

Sullivan, R., et al. (2015). *Green Finance and Investment: The Role of Finance in Global Sustainability*. OECD Publishing.

UNEP (2018). *The Financial System We Need: From Momentum to Transformation*. United Nations Environment Programme.

United Nations Development Programme. (2020). Sustainable Development Goals. [https://www.undp.

United Nations Environment Programme Finance Initiative. (2020). FinTech for the SDGs: A landscape report. https://www.unepfi.org/regions/fintech-for-sustainable-development/

Wang, D. (2017). Early financial systems in ancient China: A historical analysis. Economic History Review, 70(1), 98-112.

World Bank (2019). *Financing Sustainable Development: The Role of Financial Markets*. World Bank Publications.

World Bank. (2019). Mozambique: Financial Sector Development and Challenges. World Bank Publications.

World Bank. (2020). Digital finance for development: A strategiclandscapereview. https://www.worldbank.org/en/topic/financialinclusion/publication/digital-financial-inclusion

World Bank. (2020). Financial Literacy and Inclusion in Mozambique. World Bank Group.

WorldBank.(2023).Mozambique:Overview.https://www.worldbank.org/en/country/mozambique:https://www.worldbank.org/en/country/mozambique

Xie, L. (2017). China's Financial Markets: Innovation, Risks, and Regulations. Oxford University

Zadek, S., et al. (2012). *The Road to Rio+20: An Agenda for Corporate Sustainability*. Cambridge University Press.

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