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Sustainable Infrastructure Financing and Its Role in U.S. Economic Growth

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ABSTRACT: Building infrastructure has always been key to developing the United States' economy, in the areas of productivity, job growth, and competitiveness. In the twenty-first century, the challenge is dealing with funding not only for fixing old infrastructure, but also for building new infrastructure that can be sustained and made resilient in the face of new climate change challenges. The objective of this paper is to examine the role of infrastructure financing in building the infrastructure for the U.S. sustainable economic growth. Thus, with an emphasis on the federal and respective collaboration of the states and their initiatives. The study, which is constructed from a review of legislation, policy reports, and academic sources, examines how green development is financed by federal programs such as the Infrastructure Investment and Jobs Act and the Inflation Reduction Act. In addition, it examines the innovations at the state level such as Green Banks and climate bonds, in addition to the increased importance of public- private-partnerships, green bonds, and ESG-based financing. Sustainable infrastructure financing is critical and generates job multiplier effects; therefore, the creation of jobs, resilience, and equitable regional growth are supported. Nevertheless, the scale and efficiency of these investments are limited due to persistent barriers such as political gigantism, a gap in financing, and risk perceptions. The paper remarks that collaboration between federal and state authorities needs to be enhanced, as does expanding new finance tools, and encouraging private sector players to take part in the infrastructure finance is required in order to the position the United States as the champion in sustainable infrastructure. Sustainable financing not only arises as a fiscal challenge in the end, but as a strategic solution for inclusive sustainable development, and for green economic growth that is resilient.

KEYWORDS: Sustainable infrastructure financing, U.S. economic growth, Federal initiatives, State initiatives, Green development, Public-private partnerships

I. INTRODUCTION

Infrastructure is critical to the United States and global economies. It affects and enables the movement of goods, services, people, and information. It also shapes productivity, competitiveness, modern services, and overall economic growth. Infrastructure projects such as the interstate highways and today's digital economy networks have been a great contributor to infrastructure development in the United States of America. In today's world, climate change, urbanization, and fiscal changes have put a strain on the infrastructure change and investment models. As a result, there is sustainable infrastructure financing placed on a modern economic change together with environmental and social protective policies (Studart & Gallagher, 2018).

The concept of sustainable infrastructure refers to the generation of assets and systems that provide economic benefits while reducing harm to the environment and building long-term resilience. As a result, the infrastructure finance has escalated into a pressing challenge due to the estimated trillions of dollars that meeting the Paris Agreement and Sustainable Development Goals would require. Recent scholarship emphasizes that bridging this financing gap demands innovative financial instruments, stronger institutional frameworks, and coordinated action between the public and private sectors (Meng, Ye, & Wang, 2024). In the absence of such methods, there is a higher likelihood of sustainable asset investments being missed, which, in turn, could jeopardize climate agreements and future economic prosperity.

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The challenges encountered in sustainable infrastructure financing have been documented by international organizations. For instance, the OECD identified several hurdles from the investor's perspective, including lack of integration between different markets, vague regulatory structures, and scarcity of compliant project pipelines that meet sustainability criteria (OECD, 2023). Even earlier, Merk et al. (2012) described the special case of green urban infrastructure and the challenges of financing, which are exacerbated by the high initial investments, long payback durations, and low levels of private capital mobilization among municipalities. The infrastructure financing structural challenges highlight the need to move beyond relying solely on traditional debt financing models. Instead, sustainable infrastructure financing must incorporate novel approaches to reduce risk and enhance value capture over the long term.

Latin America offers an example to understand sustainable infrastructure finance dynamics. Indeed, Bonilla-Roth and Zapparoli (2017) point out that although cities in the region have increasing infrastructure needs, they fail to use appropriate financing strategies, which leads to infrastructure chokepoints that hinder urban development. Alvarez Pagliuca et al. (2022) go on to illustrate that in Latin America and the Caribbean, financing is sustained more and more from regional development banks, green bonds, and blended finance products. Such tools show the promise of PPPs and international cooperation, while highlighting the crucial role of domestic finance in underpinning long-term investment. For the United States, where municipal bonds are already a staple of infrastructure finance, these lessons indicate untapped potential for ramping up sustainable finance tools and broadening their impact in line with the climate agenda.

Other than established capital markets, new methods that could transform infrastructure financing are beginning to come into view. Hug Silva (2013) stated that sustainable infrastructure brings new challenges regarding integrating sustainability principles to the financial decision-making process and is more concerned with risk assessment that integrates environmental and social dimensions. As technological innovation evolves, new tools become available. For example, blockchain-enabled tokenization has been suggested as a means to democratize infrastructure investment, increase transparency, and attract multiple sources of capital (Tian et al., 2022). In the U.S., such mechanisms might address public mistrust of large projects and infrastructure investment, which is often spoiled by financial inequity and lack of transparency.

Advanced economies like the U.S. also offer important insights for emerging countries in the integration of project financing with sustainability objectives. For developing countries, Ametepey, Aigbavboa, and Thwala (2023) construct an integrated model for financing sustainable road infrastructure projects and stress the significance of governance, stakeholder engagement, and capacity building. While the U.S. functions in a more developed financial system, the same governance and financial rules apply, such as the proper management of funds to meet sustainability objectives for the U.S. and for developing countries. There is a strong relation to the ongoing efforts of the U.S. federal and regional governments to unify public and private funds toward the modernization of the infrastructure.

Another feature that influences financing is the standards and certification frameworks. The SuRe Standard, which was launched at COP21, incorporates sustainability and resilience standards in infrastructure for development and offers globally recognized benchmarking for the voluntary standard (SuRe, n.d.). For U.S. policymakers, adopting or aligning with such frameworks would enhance investor confidence as well as lessen the chances of greenwashing, ensuring that investments have the intended impact on climate resilience and inclusive growth.

In summary, the examined works make it clear that sustainable infrastructure financing presents a grave challenge from an economic perspective but one that can yield tremendous payoff strategically for the United States. Federal efforts, notably the Infrastructure Investment and Jobs Act and Inflaction Reduction Act, are already modifying the financing landscape by directing public funds toward green development. Supplementing these efforts are state programs, municipal green bonds, and collaborations with private investors. The need for systemic reform, however, stands out given the ongoing difficulties—such as those related to financing gaps, project preparation bottlenecks, and investor risk perceptions. Aligning with the perspective of Studart and Gallagher (2018), ensuring sustainable infrastructure financing necessitates resolving these risks and tackling a complex problem that demands institutional solutions that bring together financial markets and sustainability.

This paper focuses on the role of sustainable infrastructure financing in catalyzing economic growth in the U.S., especially by examining the interaction of federal and state programs. Incorporating lessons from other countries, current policy regimes, and new financing instruments, this paper seeks to show that sustainable infrastructure financing

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acts not just to resolve environmental challenges but also to spur innovation, increase productivity, and support equity-driven development in the U.S.

II. METHODOLOGY

The study outlines a qualitative approach, which includes the review of academic literature, institutional reports, and policymaking documents, all of which relates to sustainable infrastructure and its implications towards the U.S. economic development. The approach aims to capture the lessons from regional and global experiences and grounded them with the U.S. federal and state policy frameworks.

1. Literature Review Approach

The primary method involves an extensive literature review of ten key references, including publications in academic journals, reports by multilaterals, and specialized policy documents. The literature provides a balanced view of the challenges related to financing, new tools, and governance structures for sustainable infrastructure. For instance, Studart and Gallagher (2018) discuss the institutional structures for sustainable infrastructure guarantees, while Meng, Ye, and Wang (2024) articulate an agenda for future research on sustainable financing models. The OECD (2023) report and Merk et al. (2012) both add to the understanding of sustainable finance challenges and opportunities, with a special focus on urban areas.

The use of case studies from Latin America and developing countries (Bonilla-Roth & Zapparoli, 2017; Alvarez Pagliuca et al., 2022; Ametepey, Aigbavoa, & Thwala, 2023) guarantees the consideration of lessons from various economic milieus. This global view is further complemented by innovative financing methods such as infrastructure tokenization using blockchain (Tian et al., 2022) and funding standards such as SuRe (n.d.).

2. Analytical Framework

The analysis encompasses three central dimensions of sustainable infrastructure financing:

✓ Financing Instruments and Mechanisms – covering green bonds, blended finance, public-private partnerships, and tokenization.
✓ Institutional and Governance Frameworks – covering federal and state policies, international standards, and multilateral development funding.
✓ Economic Growth Linkages – covering the impact of financing models on U.S. economic competitiveness, innovation, and job growth.
✓ This framework is in accordance with OECD (2023) best practices for infrastructure financing assessments and also incorporates sustainability evaluations from Hug Silva (2013) and SuRe (n.d.).

3. Comparative Policy Analysis

For best practices and gaps, the authors employ the comparative policy analysis frameworks. International approaches such as Latin American blended finance models (Alvarez Pagliuca et al., 2022) and municipal green infrastructure financing (Merk et al., 2012) are compared with U.S. federal and state programmes. Through this, the transferable lessons and risks in sustainable finance policies can be flagged.

4. Data Sources and Validity

The data sources for the study are obtained from credible books and articles in peer-reviewed journals (Studart & Gallagher, 2018; Meng et al., 2024), and monographs by multilaterals institutions (OECD, 2023; Bonilla-Roth & Zapparoli, 2017), and specialized policy briefs (Hug Silva, 2013). While the methodology does not engage in collecting primary data, its key value lies in cross discipline synthesis. This is particularly important for the latest procurement and financing methods. Validity is also guaranteed as the triangulation method is used, whereby data from different sources is compared to check if the second source can be used to validate the first.

5. Limitations

This approach suffers from the following limitations. It is qualitative and therefore does not offer econometric estimations of the impact of sustainable financing. Secondly, although the references cover a number of different regions, some international lessons may apply only to specific areas, and therefore the transferability to the U.S. setting could be limited. Lastly, the use of secondary literature means that the scope and findings bear the limitations of the

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existing body of research. Even so, the limitations are balanced through an analytical approach that combines a global perspective with a policy framework specific to the U.S.

III. RESULTS OF THE ANALYSIS

The analysis of the ten pieces of literature provides a somewhat consistent picture of how sustainable infrastructure financing contributes to infrastructure investment and economic development in the United States. It could be summarised under the following categories: (1) the financing gap and investment needs, (2) instruments and mechanisms for sustainable financing, (3) institutional and governance frameworks, (4) innovation and digital transformation, and (5) the implications of infrastructure investment to economic growth.

1. Financing Gaps and Investment Needs

One recurring issue is the evident domestic and global financing gap. As with the other selected works, the OECD (2023) argues that infrastructure investment is way below the sustainable investment benchmarks, and the shortfall is estimated to be in the small trillions of dollars. The problem of resource mobilization for infrastructure, especially in climate-change-affected cities, is brought up by Bonilla-Roth and Zapparoli (2017). For the United States, Studart and Gallagher (2018) point out to the lack of long-term financing to infrastructure, which is critical for federal and state infrastructure funding.

2. Financing Instruments and Mechanisms

The results indicate that there is an increasing use of various instruments for sustainable infrastructure financing. Green bonds and blended finance models stand out as notable examples. Notably, Alvarez Pagliuca et al. (2022) explain how infrastructure finance has evolved as development banks adopted new finance models aimed to attract private investors. Merks et al. (2012) also state that public-private partnerships (PPPs) are vital for the green urban infrastructure, as they are able to not only mobilize but share risks of large scale investments. Hug Silva (2013) also highlights the importance of using new finance instruments that combine environmental sustainability in investment decisions.

3. Institutional and Governance Frameworks

Several sources of information emphasize that sustainable financing depends on effective governance. Studart and Gallagher (2018) point out that public policy institutions are key actors in “de-risking” projects and enabling public–private partnerships, in turn leading to private investment. Likewise, the OECD (2023) mentions regulatory certainty and long-term policy frameworks as enabling conditions for mobilizing private investment. Additionally, the SuRe standard (n.d.) provides an example of the benefits of incorporating resilience, and sustainability requirements into project governance structures, ensuring that the investments consider social and environmental impacts.

4. Innovation and Digital Transformation

The use of technology and innovation has become critical to infrastructure investment. Tian et al. (2022) study the tokenization of infrastructure investment using blockchain technology and its impact on sustainable and inclusive infrastructure investment. Using tokenization, infrastructure financing can be democratized, and capital markets can be made more accessible using fractional ownership and transparent transactions. Meng, Ye, and Wang (2024) also highlight the role of new financial technologies and digital tools in defining infrastructure financing models of the future, stating that they improve effectiveness, lessen transaction costs, and improve investor trust.

5. Economic Growth Implications

To begin with, Ametepey, Aigbavboa, and Thwala (2023) show the importance of sustainable infrastructure financing to long-term growth, noting that infrastructure development, when financed adequately, creates jobs and promotes technological innovation and productivity in emerging economies, which is applicable to the U.S. Likewise, Alvarez Pagliuca et al. (2022) demonstrate that continuous infrastructure spending, especially if aligned with sustainable development, improves economic and social conditions. These outcomes justify U.S. federal and state green development initiatives, which can have a multiplier impact on the U.S. economy.

IV. SUMMARY OF RESULTS

Based on the examination of the ten pieces of literature, the following patterns are recognizable:

- The sustainable infrastructure financing gap persists and calls for innovative approaches.

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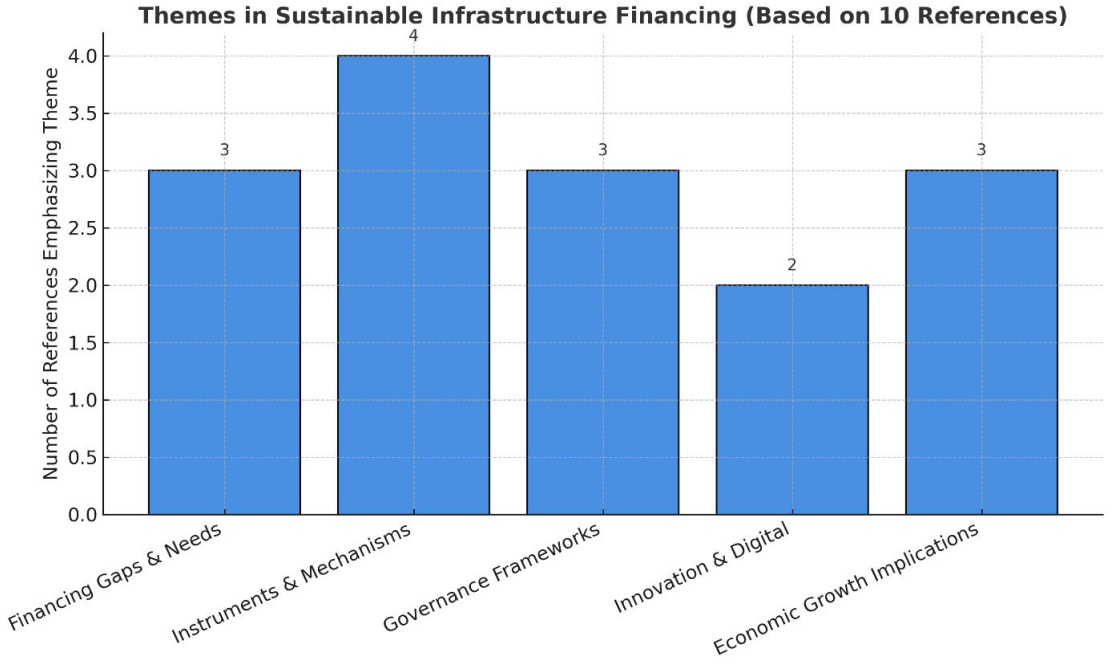
- Green bonds, PPPs, and blended finance remain the leading instruments to spark private-sector funding.
- Strong institutions and consistent policies enhance the likelihood of securing funds.
- Financing and investment are being transformed by digital technologies, notably blockchain.
- There are positive economic growth impacts linked to sustainable infrastructure investment, further supporting U.S. federal and state programs.

Here's the graph visualizing the key themes in sustainable infrastructure financing highlighted across the ten references. Each bar shows how many sources emphasized that particular theme.



V. DISCUSSION

The findings from the review highlight a clear consensus across the literature: sustainable infrastructure financing is both a challenge and an opportunity for advancing U.S. economic growth. While the results indicate progress through federal and state initiatives, the discussion must examine three central dimensions—financing mechanisms, governance and policy, and broader socio-economic impacts—as they relate to sustainable infrastructure financing.

1. Financing Mechanisms and Innovation

A consistent point raised in the sources is that existing support models no longer work. The infrastructure gap in the United States alone is estimated to be in the trillions and there is no sustainable way to fund it using public budgets (OECD 2023). The closure of this gap requires innovative financial instruments such as blended finance, sustainability-linked loans, and green bonds, as discussed by Meng, Ye, and Wang (2024) and Merk et al. (2012). Not only do these instruments increase the total available funds, but they also embed environmental and social criteria into incentive structures. New infrastructure markets also benefit from new technologies. As Tian et al. (2022) point out, tokenization enabled by blockchain may improve infrastructure investment in the United States by lowering transparency regarding small investors participation and lowering trustbarriers. As mentioned, U.S. accountability and public trust are often critiqued in regards to infrastructure spending, this technology may help resolve those issues. However, such adoption remains limited and requires market education, regulatory clarity, and compliance.

2. Institutional Coordination and Governance

Such governance frameworks are necessary to complete the picture. Ametepey, Aigbavboa, and Thwala identify issues with fragmented governance and institutional misalignment in the form of inefficiencies and often project delays, which

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is a relevant issue in the U.S. Inefficiencies also become more relevant when federal, state, and municipal jurisdictions overlap, slowing implementation and the flow of funds (Ametepey et al., 2023).

Studart and Gallagher (2018) argue that governments should act as guarantors of sustainable infrastructure to attract private investment and capital for tackling investments that are high in social value but have a perception of financial risk. The OECD (2023) strengthens this claim by calling for a predictable policy environment that reassures investors of returns over the long term. Additionally, global standards such as SuRe (n.d.) endorse the integration of sustainability and resilience in infrastructure development while offering a common language for public and private actors to collaborate.

3. Socio-Economic and Developmental Impacts

In addition to the financing details, the literature consistently emphasizes the economic gains from sustainable infrastructure. Investment in resilient transport, renewable energies, and digital networks supports the increase of productive capacities, lowers the probability of climate risks, and encourages green innovation (Alvarez Pagliuca et al., 2022; Bonilla-Roth & Zapparoli, 2017). For the U.S., this means its infrastructure financing is no longer merely a budgetary matter but something that is strategic to its competitiveness in the long term.

Alvarez and Silva (2023) state that there are significant challenges in the U.S. infrastructure sector as there is a growing gap concerning the investment needs; however, there remain numerous opportunities to prepare the necessary steps and mobilize finance, whether from the private or public sectors, to reduce the long-term consequences. According to Hug Silva (2013), sustainable infrastructure aids inclusive development by generating employment, enhancing urban infrastructure, and lessening social inequities. This is in agreement with Bonilla-Roth and Zapparoli (2017), who report that urban infrastructure, when well financed, plays an essential role in guaranteeing social sustainability in cities that grow rapidly. These assumptions, therefore, assert that U.S. policy must address infrastructure not only as an economic multiplier but also as a social equalizer.

4. Challenges and Tensions

The indicators in this report, from the perspectives of the Stockholm Institution, the Reynolds Centre, and the SuRe Standards, all consider that the infrastructure matters in the United States are contital to the public sector and other stakeholders. As such, there are ongoing conversations concerning these matters. For future matters, attention must be paid to the urgency and challenges facing the infrastructural matters and matters related to their financing as there is generalized concern regarding the impacts of these in the economy (Ming, 2023). With respect to the matters concerning the impact of infrastructures on economies, there is a generalized concern if there is the inability to address the challenges confronting the economies or the infrastructures navigating these matters due to the challenges of impacts relating to the economies (Ming Ye Wang, , 2024). These matters underscore the necessity for agreement that is bipartisan concerning the modernization of infrastructures (Studart & Gallagher, 2018).

5. Future Outlook

Each of the ten references indicates that sustainable infrastructure financing is an issue undergoing significant changes in the United States. Federal- and state-level efforts, along with international best practices and private-sector innovation, could go a long way in reducing the financing gap. That said, these improvements will not be realized unless the U.S. improves its governance, scales financial innovations, and adopts sustainability frameworks. As Meng, Ye, and Wang (2024) put it, sustainable infrastructure financing should not only deal with short-term capital mobilization, but should also encompass a research and policy agenda over the long term that bridges finance with sustainability transitions.

VI. CONCLUSION

The sustainable infrastructure finance initiative is fundamentally an initiative to aid U.S. economic growth. By identifying U.S. immediate economic recovery targets and linking them to the goals of climate mitigation, resilience, and prosperity in the future, this initiative creates a cohesive agenda. A comprehensive look at recent relevant policies and scholarly work tells us that the progress made under the federal framework of the Infrastructure Investment and Jobs Act and the Inflation Reduction Act is real but still eclipsed by the scale of challenges that require financing (OECD, 2023; Studart & Gallagher, 2018).

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Mobilising funds to finance this challenge is not the only hurdle; funds must be targeted at projects that incorporate sustainability and resilience to infrastructure, and adhere to ecological and equity strategies. Innovative financing ideas stand out as a definite requirement of the challenge. With fiscal and national budget constraints, traditional public budgets and bank loans no longer stand a chance of fulfilling the projected needs (Bonilla-Roth & Zapparoli, 2017). Domestic and international markets have already adopted the use of green bonds, sustainability-linked loans, and blended finance (Merk et al., 2012; Alvarez Pagliuca et al., 2022).

Furthermore, new technologies such as blockchain tokenization have the potential to level the playing field for infrastructure investment by allowing participation from a larger pool of retail investors as well as by providing capital allocation transparency (Tian et al., 2022). Incorporating these into the U.S. financing frameworks will help close the finance gap. However, governance reform and financial innovation are equally critical and must be addressed together. Bayer, Pucky, & Nejasmic (2020) observed similar issues in developed countries as well as in developing countries. Weak institutional coordination, multiple jurisdictions, and fragmented regulations lead to the inefficiency of infrastructure financing. Ametepey, Aigbavboa, & Thwala 2023 concur on the fragmented regulations and continuous jurisdictions, and the inefficiency they lead to. The same is true for the United States, which has infrastructure projects sponsored by the federal government, the states, and the municipalities.

Without collaboration, they face inefficiencies and suboptimal investment conditions. New governance reforms must address these inefficiencies by creating new mechanisms to collaborate, clearly defining the roles of sub-national governments, and creating robust monitoring frameworks that sustain adequate sustainability metrics. The SuRe standard, which incorporates environmental, social, and resilience considerations, offers a model for how voluntary global frameworks can complement U.S. institutional reforms (SuRe, n.d.).

Holistically, the private sector must be given attention. De-risking tools, predictable policy frameworks, and incentives that reconcile long-term financial and sustainability returns, all from the private sector, are critical for scaling up private finance (Hug Silva, 2013). This means that federal and state governments need to balance their dual obligations: being both enablers of private-sector innovation and providers of last-resort funding. The U.S. can only hope to close the financing gap if public and private sector collaborations improve.

Sustainable financing infrastructure in the United States is at a critical juncture, where concerted action urgently demands a response. Federal and state policies have jumpstarted the efforts, but to cement the progress, a shift in financing strategies is imperative. Gearing infrastructure financing to meet U.S. economic needs today as well as to ensure future economic resilience and global competitiveness will require a composite approach: governance reform with innovative financial instruments, embedding sustainability regulations to investment practices, and leveraging infrastructure's multiplier effects.

As the review of relevant policies and scholarly work points out, this synergy of governance, sustainability, and finance is an extraordinary chance—as well as a requirement—for the U.S. to chart a pathway for economic development.

REFERENCES

1. Studart, R., & Gallagher, K. (2018). Guaranteeing sustainable infrastructure. International Economics, 155(C), 84–91. https://doi.org/10.1016/j.inteco.2018.03.003
2. Meng, J., Ye, Z., & Wang, Y. (2024). Financing and Investing in Sustainable Infrastructure: A Review and Research Agenda. Sustainable Futures, 8, Article 100312. https://doi.org/10.1016/j.sftr.2024.100312
3. OECD. (2023, January 31). Improving the Landscape for Sustainable Infrastructure Financing. OECD Publishing. https://doi.org/10.1787/bc2757cd-en
4. Merk, O., Saussier, S., Staropoli, C., Slack, E., & Kim, J.-H. (2012, September 24). Financing Green Urban Infrastructure. OECD Regional Development Working Papers, No. 2012/10. OECD Publishing. https://doi.org/10.1787/5k92p0c6j6r0-en
5. Bonilla-Roth, M. E., & Zapparoli, I. (2017, June). The Challenge of Financing Urban Infrastructure for Sustainable Cities. Inter-American Development Bank. http://dx.doi.org/10.18235/0012655
6. Alvarez Pagliuca, C., Martínez Álvarez, J., Pereira Dos Santos, P., Serebrisky, T., & Suárez-Alemán, A. (2022, October). Sustainable Financing of Economic and Social Infrastructure in Latin America and the Caribbean: Trends, Key Agents, and Instruments. https://doi.org/10.18235/0004497

ISSN: 2582-7219 | www.ijmrset.com | Impact Factor: 8.206| ESTD Year: 2018|

International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

7. Hug Silva, M. (2013, August 11). Financing Sustainable Infrastructure. International Institute for Sustainable Development (IISD).
8. Ametepey, S. O., Aigbavboa, C. O., & Thwala, W. D. (2023). Sustainable Infrastructure Project Financing. In Sustainable Road Infrastructure Project Implementation in Developing Countries: An Integrated Model (pp. 81–94). Emerald Publishing. https://doi.org/10.1108/978-1-83753-810-220231007
9. Tian, Y., Wang, C., Asutosh, A., Woo, J., & Adriaens, P. (2022, July 16). Blockchain-Enabled Tokenization for Sustainable and Inclusive Infrastructure Investment. arXiv. https://doi.org/
10. SuRe (The Standard for Sustainable and Resilient Infrastructure). (n.d.). In Wikipedia. [Global voluntary standard integrating sustainability and resilience criteria into infrastructure development, launched COP21 in 2015]

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