



Why Institutions Matter: Analysis of Their Significance in Shaping Economic, Environmental, And Policy Transformation

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ARTICLE INFORMATION	A B S T R A C T
Received: October 10, 2023 Revised: April 26, 2024 Available online: June 15, 2023	<p>The role of institutions in shaping societal systems and responding to complex global challenges has gained increased attention in recent decades. Institutions have functioned to shape the development and sustainability of society. Nevertheless, numerous institutionally-led challenges that restrict and alter sustainability and development across various aspects of society have also emerged. While institutional importance is widespread, their relationship with development is debated and contested. Through a systematic review approach, this paper explores the concept of institutions to understand whether they matter for development and examine their relevance within economic, policy, and environmental structures. The study indicates that indeed institutions play a significant role in accelerating economic, policy, and environmental growth across space and time. It demonstrates how it drives policy cycles, fosters economic progress, and shapes environmental transition. The study reveals that institutions create order, facilitate innovation, drive market transactions, and environmental security by mitigating conflicts, enforcing regulations, enhancing cooperation, ensuring the distribution of resources, and promoting sustainable ecological guidelines. However, complexities in their functions, structures, and adaptation exist, which can stimulate instabilities, stagnation, and decline in societal progression. Achieving enhanced institutional capacity toward societal development and progress thus requires unwavering political commitment, innovative actions, and coordinated decision-making.</p>
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INTRODUCTION

The last few decades, significant interest and attention have been directed toward examining the concept of institutions for regional development, both in political and scholarly discourse (Acemoglu et al., 2004). Over centuries, many scholars have been examining the significance of institutions for economic development and growth through the introduction of various theories and models (Kaufman, 2017). This significance can be traced back from the works of Adams Smith (division of labour), Karl Marx (capital accumulation), Joseph Schumpeter (innovation), Roy Harrod and E. Domar (savings and investment rates) and the writing of Douglas North (Marinescu, 2014; Williamson, 2014). However, the pivotal connection between institutions and economic development was considerably neglected by mainstream economic models and growth theories. The neoclassical economics and growth theories only considered the conditions necessary for material production growth, such as capital accumulation (physical and human) and technical progress (Weber, 2010). Under this framework, economic development was attributed mainly to physical capital investment, the total factor of productivity coupled with structural and microeconomic policies. Increased investment in infrastructure, capital stocks, the promotion of innovation and industrial activities and education and training were thus regarded as the primary drivers of improved economic growth and ultimately development (Smithers, 2019). Development economists have often treated institutions as exogenous and overlooked their important role in the development process discourse. Neoclassical (mainstream) and growth theorists have discreetly anticipated that institutions (both economic and political) don't matter. There was a firm belief that investment

in their proposed key elements and getting prices right would yield optimal growth and development irrespective of the prevailing institutional context (Anson, 2024). According to Rodríguez-Pose (2013), this approach seemed to be logical and adequate during that time.

However, this long-standing perspective has shifted over recent decades, primarily due to increased adverse effects in countries where the neoclassical recipe for economic development was implemented and the sluggish state growth across regions. The underdevelopment of nations in Africa, Latin America and Asia post-colonization, economic difficulties among the global population, and the persistent economic disparity between developed and developing nations called for a new 'recipe of development' (Cornia, 2020). This empirical reality informed scholars across a wide range of disciplines to explore the concept of institutions and their impact on development and welfare improvement. Planners, economists, sociologists, and anthropologists have shown significant interest in the concept of institutions and their role in shaping economic outcomes and sustainable development trajectories over the years (Ghazinoory et al., 2017; Thomas, 2020).

The study of this area has highlighted on several ways and principles through which institutional efforts could aid in the achieving sustainable governance and utilization of environmental assets, and has introduced features that describe an efficient governance (Domorenok & Prontera, 2021). Besides, numerous empirical studies have outlined the critical role institutions play in the functioning of the social, economic, and environmental systems, and the policy discourse over time. Institution ensure efficient policy development and economic performance by specifying property rights and providing the resources and instruments to enforce contracts (Kamalu & Wan

Ibrahim, 2022). They also have shape human behaviours, social dynamics, guide environmental discourses, and foster political stability. Institutions have evolved as adaptive responses to the opportunities and challenges presented by various political, socio-economic and environmental contexts. However, it has been argued that while institutions play a significant role in societal transformation, they may also disturb ways of doing things, our environment, restrict our access to certain benefits, and bring about inequity in our social, economic and environmental systems (Keohane & Olmstead, 2016). Poor institutions have been revealed to social and economic exclusion and subsequently poor human development across most developing nations. Discrepancies between certain societal rules (norms, values, etc.) and formal institutions (property rights, laws, etc.) have emerged in stimulating sustainable growth. This has led to the emergence of a distinct school of thought: one that sees institutions as beneficial to our society and one that sees them as both beneficial and a challenge. This portrays how complex and contested the concept is in promoting effective regional and global development (Omar & Inaba, 2020; Pogge, 2017).

It is in light of this that this study seeks to understand whether institutions do matter, and also examine their significance in our economy, policy paradigm, and in our environment (Anthropocene). So far, a wide range of literature has examined the significance of institutions for societal progress as well as their prevailing challenges however, the majority of this literature has either looked at it from the economic, political or environmental perspective. Comprehensive studies that consider the holistic relevance and challenges of institutions across the economic, policy and environmental context could barely be found in the literature. Conducting this holistic study aims to fill this research gap. Additionally, this study will help determine whether institutions are indeed critical for contemporary growth or whether they present more challenges. It will provide insights into us their significance in the context of policy-making, economic growth, and environmental transformation, their prevailing challenges and how to overcome them to serve as a guide to policy decision-making. This understanding will help to reduce trade-offs and conflicts in contemporary policy formulation processes while ensuring coordination, and rationality across different divergent sectors, and promote sustainable growth both developing and developed economies.

METHOD

This study employs a systematic review and content analysis method. A systematic review aims to consolidate, synthesize, and critically assess existing literature to derive robust, clear, and comprehensive evidence and conclusions. Systematic reviews provide thorough evidence for specific research questions, uncovering gaps, and consistencies in literature and informing both practice and public policy (Siddaway et al., 2019). On other hand, content analysis identifies meaningful and relevant information (words, phrases and concepts) within a text or sets of text, allowing inferences to be made. This method contextualizes research within its subject or field and ensure that the research is critical and comprehensive. Given the research goal of comprehensively understanding the relevance of institutions in societal transformation to inform sustainable

planning, adopting a systematic review methodology and content analysis is appropriate (Pae, 2015).

Studies were selected from online search engines such as Google Scholar, Web of Science, Scopus, and e-library databases for the review. These search engines provided a platform that helped to find related papers concisely. A manual literature search from various related papers on the topic supplemented the identification of related articles. No publication date restriction was applied. Relevant data were identified and collected based on the themes, cases, and objectives of the study as well as their theoretical saturation to the analysis. To capture related and most relevant studies that clarify the research cycle of the paper, the search was conducted using the most common terms in the field of the study. The search strategy included the following primary keywords: "Why institutions matter", "institutional economics", "institutional challenges", "institution and policy growth", "institutions and environmental development", "institutions and economic growth", "institutional framework", etc. drawing from previous literature on the topic. These terms were recognized based on predetermined criteria (title and keywords).

Inclusion and Exclusion Criteria

After the initial search, related papers that met the search criteria were recognized and compiled into a database. A total of 120 potentially germane research articles were identified during the preliminary search. Duplicate and unpublished articles were excluded. This process led to the exclusion of 5 articles. Afterwards, a separate file of the remaining articles (112) was created. These articles were assessed for initial screening which is conducting a thorough review of the articles. During this stage, 11 papers were excluded after reading and reviewing their abstracts and titles. Studies that were included in the abstract and title screening had their full text reviewed in detail. A further 7 articles were excluded after appraising if they did not correspond to the (1) themes and objectives of the study, (2) not peer-reviewed, (3) not highly cited (4) Not full-text articles (5) not English language articles. At this stage, the researcher shifted from sensitivity to specificity. All studies on institutional significance were included, while studies lacking relevant empirical evidence were excluded to obtain more evidence-based support. After a thorough review, 97 relevant articles published between 1931 and 2023 were selected as the final sample for this study. These articles best support in the achievement of the objective of investigating whether institutions matter for development and their relevance within economic, policy, and environmental structures to inform planning while promoting sustainable growth across both developing and developed economies. The process adopted for article selection is illustrated in Figure 1, below.

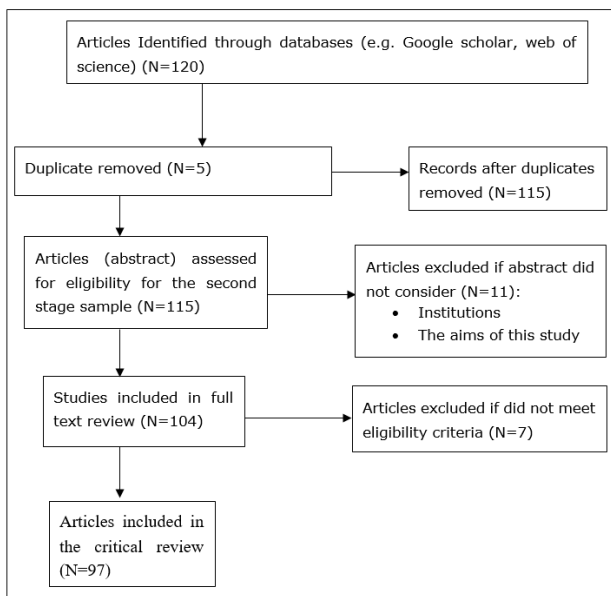


Figure 1. Flow diagram of the selection process of articles

Data Extraction and Analysis

A content analysis was conducted on the selected articles to identify relevant information related to the central questions and scope of the research. Meaningful data was carefully and thoroughly extracted from these curated sources after a comprehensive and careful, focused review of the entire text of each study to ascertain their significance to the research. All extracted data was systematically organized into various themes and sub-themes for further analysis. Extracted data included: the concept of institutions, their types, and their functions within the societal system. Their significance in the economy, policy paradigm, and environmental system, their relationship with societal progress, and any prevailing challenges as well as research gaps, were also recorded. The finalized dataset was analyzed to fulfill the aims and objectives of this research and to establish the prevailing discourse in this field.

Setting and Article Characteristics

The 97 reviewed articles were conducted in 15 countries which cover five continents. These articles were published from 1931 to 2023. Most articles were based on studies conducted in the Europe and America. The literature falls into the broad research area of institutions, institutions and development, institutional governance, why institutions matter, institutional economics, institutions and climate change, institutions and policy-making, etc. The Majority of the texts were highly interdisciplinary, presenting a synthesis between inquiries into the past and present changes in institutional frameworks and issues surrounding them. In doing so they often analyse characteristics, changes, causalities and pathways. The link between developed and developing country contexts was also explored in most of the studies. However, the majority of the studies were written by Western scholars and also focused on the developed country context.

The results of the study provided a comprehensive analysis of the literature relevant to the research topic. They are presented into several themes to reflect institutional relevance, related challenges and how this could inform sustainable institutional frameworks that facilitate efficient societal growth. The first section explored the concept of institutions, their

types, and their functions within the societal system. Secondly, it examined their significance in the economy, policy paradigm, and environmental system, their relationship with societal progress, and any prevailing challenges. Finally, the paper concluded with a summary of the findings and vital policy direction proposed to guide government and practitioners in the institutional matrix to unlock the potential of institutions and ignite a thriving and prosperous society.

RESULT AND DISCUSSION

What are institutions and what are they for?

The concept of institution has been defined in multiple dimensions by several scholars and studies. Indeed, entire study has been written on the evolution and breadth of existing definitions. Some scholars have favored the informal definitions of institutions, while many others have also subscribed to more formal definitions. Hybrid definitions of institutions have therefore been produced. Institutions as a system of humanly established rules, designed to coordinate societal interactions and regulate human behaviour (Chadwick, 2013). For institutional economists, institutions are a "collective action in control, liberation and expansion of individual action". Where collective action refers to the collaboration of two or more individuals in pursuit of a common goal. It ranges from unorganized customs to the many organized concerns such as the state, the family, the corporation, the trade association, the trade union and the reserve system (Jensen, 2019). Defines institution as "formal and informal rules, monitoring and enforcement mechanisms, and systems of meaning that define the context within which individuals, corporations, labour unions, nation states and other organizations operate and interact with each other". However, this study adheres to North definition of institution as the "rules of the social game", which is a system of interaction that governs and shapes individual relations and structure human interaction. Within this system, there exists a hierarchy of rules that constrain social behaviour and introduce "safeguards" (rules and sanctions) that reduce uncertainty, facilitate transactions, and improve efficiency, thus contributing to good economic performance. Such institutions shape performance mainly by fostering better policy choices. They consist of several frameworks which include rules about quality standards and usage of a currency, contractual rules governing business, beliefs about how individuals treat and relate to each other, and mechanisms of enforcement (Pedersen, 2019). Institutions provide a mechanism for organizing and governing multiple structures of society such as education, finance, law, politics, and healthcare. Various arrangements such as specific rules, customs, conventions, language, informal norms, and values whether formal or informal are collectively termed as institutions, institutions serve as fundamental frameworks regulating societal interactions but also play a central role in establishing standards, expectations and guidelines that shape individual behaviours and drive efficient transactions. This nuanced insight offers a rich foundation for assessing their influence in diverse contexts.

Researchers have distinguished between different types of institutions (formal and informal, and public and private. define formal institutions as the public rules of behaviour established, and enforced by a public authority to govern and constrain social interactions (legislature (senate, parliament), executive (policies, law enforcement agencies), and judiciary (judges).

They include laws, conventions, agreements, and regulations that aim at achieving a specific policy goal. Whereas informal institutions are private rules of behaviour that have been steadily and spontaneously developed with no legal enforcement to govern and constrain social interaction. They include norms, beliefs, traditions, relationships, social conventions, etc. It should be noted that formal and public as well as informal and private are not interchangeable terms. Institutions are thus distinct from organizations, with the former being the rules and the latter being the players (North, 2018).

Why do Institutions matter?

The preceding paragraph has provided insights into what institutions are and what they are for. It is evident that institutions are multidimensional and vital instruments within our society. From social to cultural and from governmental to economic systems, institutions influence decision-making, resource allocation, human interaction, and development outcomes in every economy irrespective of their transformational background. They have been recognized as critical mechanisms that establish and drive the rules, norms, and structures that guide collective social functioning and human behaviour. Further institutions similarly shape the path and expedite the process necessary for economic, social, and environmental progress. Despite these advances in the dynamics of societies and economies, its significance in the fabric of modern societies is still a continuous debate. While there is a general belief that institutions matter for development another school of thought is also of the view that some growth can manifest even in the absence of functioning institutional mechanisms. There is also the notion that whether institutions will serve as a determinant of socioeconomic and political growth in a society is dependent on their quality and fair distribution. This segment will thus extensively elaborate on their role and significance to the economy, policymaking, and environmental system and elucidate whether indeed they matter for societal growth and prosperity. Prevailing challenges across varying contexts will also be explored (Bailey, 2024).

The Relevance of Institutions in the Economy

In the economy, institutions have been ascribed as facilitators, drivers, and propellers of market transactions and economic efficiency. They have been found to establish the rules, lay the foundation, and provide the necessary frameworks for a stable and thriving economy. Institutional structures form the basis through which production, distribution, consumption, trade, and financial mechanisms take place. These structures influence the dynamics of cost, income, wages, taxes, and investment while also ensuring the safety, stability, and efficacy of market transactions (Frolov, 2020). The operation and functioning of market dynamics and procedures encompass different actors emanating from private individuals, organizations, and government entities at both local and global scales. Robust institutions like government, legal systems, and regulatory bodies directly and indirectly, constrain and empower these actors through an array of formal and informal mechanisms such as laws, rules, practices, narratives, rights, licenses, norms, and privileges. These mechanisms not only help to legitimize authority and patronage but also help to seize opportunity, ensure trust, and fairness, and pre-empt potential challenges (Cao & Shi, 2021).

Besides, the definition and specification of conditions under which transactions take place are made possible by both formal and informal institutions. Institutions ensure that transactions, operations, and functioning of the markets are safe and run smoothly in every economy. They promote the transfer of knowledge, entrepreneurship, and trade, prevent unhealthy competition, and corruption, and encourage inclusivity, innovation, and investment that are needed for economic growth globally. Government regulations, laws, courts, banks, etc. regulate and safeguard market transactions to enhance the welfare of people and ensure efficiency. These institutions help to foster transparency, and accountability, and protect property rights which are vital for economic growth. In both developed and developing economies solid institutional machinery geared towards advancing sustainable growth within the economy is being adopted to regulate and oversee all forms of transactions, market conditions, and management of goods and services (both public and private) (Mora et al., 2020).

Institutions have been documented to shape economic processes, performance, and change. It is argued that the quality of economic growth depends on the quality of governance institutions, particularly the regulatory quality and government integrity. Improved governance and political systems are concurrent with improved productive capacity and efficient markets. Political institutions specify, define, and enforce economic rules of the game which have a significant impact on economic growth and dynamics. Political systems of an economy are thus considered a fundamental facet of economic performance and social development (Dincecco & Katz, 2016). The introduction, restructuring, and modification of economic measures (right pricing, competitive conditions, etc.), and harmonization of laws to regulate economic or market activities have the potential to reduce risk and ensure effective economic growth. Institutions are therefore a robust predictor of economic change, process, and transformation. The creation of institutions that will create and enforce efficient economic property rights is integral to the development and the dynamics of society. Institutional mechanisms hence facilitate, enhance, and generate local and global economic activities and their efficient outcome coupled with their evolution through time.

It is important to note that even with these institutional frameworks in place, instances of conflict over the distribution of resources and indirectly over the set of economic institutions as well as fragmentation of growth, and complications may emerge within the market mechanisms with may create inefficiencies, poverty and ultimately reduce the level of human development. Conflict may also arise between the formal and informal institutions in achieving economic development. These difficulties have been attributed to many reasons such as geography, institutions, markets, people's selfish interests, opportunistic behaviour, evolving perceptions, culture and circumvention of rules. Hence, the extent to which an institutional framework effectively influences economic conditions and improves welfare varies from country to country depending on the degree of these underlying challenges and the quality of their political institutional mechanisms. According to Acemoglu & Robinson (2015), political institutions come in two forms: inclusive and exclusive. Exclusive political institutions are where political power only benefits some small group of people instead of the entire society. This is typical of most developing countries with poor political systems characterized

by weak electoral frameworks, low levels of democracy, high levels of bribery and corruption, political instability, and civil wars. The inclusive political institutions on the other hand adopt inclusive economic institutions which ensures that power and proceeds from economic growth are shared by all. This is general in most developed countries due to their advanced political systems featuring a high level of democracy, firmer laws, regulations and effective inclusion of the public in decision-making processes. This explains the regional disparity in economic growth and welfare improvement. Empirical evidence revealed that third-world countries mostly characterized by bad political and economic institutions such as low degree of democracy or dictatorship, property rights problems, high corruption and biases in law enforcement are bedevilled with low levels of human development, poor social welfare and socio-economic performance while developed countries with comparatively good institutions have high level of human development, improved overall societal welfare and high economic performance that promote socio-economic development.

Basically, in a developed country like the USA and Germany, investors enjoy all the benefits of good economic institutions which include supportive policies for market entry, ensuring property rights and competitive base contracts for private sectors that increase investor confidence, encourage investment, lower unemployment and ensure higher income, efficient allocation of resources and advancement of socio-economic performance. On the other hand, investors in developing countries like North Korea or South Sudan, who do not have access to good economic institutions face challenges in their business endeavours including barriers to market entry, property rights problems and biased contract offerings which may restrict learning, saving, inventing and investing that may hinder efficiency and socio-economic performance. Therefore, the building and growth of inclusive polities (forms of government, democracy, dictatorship) that will create and enforce efficient property rights and distribution of political power is at the heart of development policy and economic performance. However, studies in the new political economy have largely been focused on the United States and other developed nations. Though some of the political characteristics of developing economies are known, theories about such polities are limited.

Irrespective of prevailing institutional fallbacks across economies, proactive measures are being undertaken to avert their impacts on resource distribution and economic growth by introducing new institutions and adapting existing ones. Where formal institutions have proven futile or weak, informal ones are usually used as a substitute and vice versa. Coordination between formal and informal institutions promotes a solid and resilient development strategy. Research, training, participation, policy learning, and innovative approaches to respond to some of these challenges have emerged across various economies. However, the rate of adoption can and does vary between countries. The rate and kind of learning, research, training, etc. determine the speed and direction of economic change respectively. Many of these institutional strategies have been implemented across various economic structures (both developed and developing) globally to stimulate change. These include the development of the rule of law, ensuring healthy interaction between institutions, protection of civil and political

freedom, and promoting favourable conditions (e.g. incentives, informal constraints) for good economic performance that have emerged across these jurisdictions. However, this is mostly limited to the developed economies with the developing ones lagging in terms of adoption, adaptation, and harnessing existing institutional benefits for economic growth. It has been suggested that through the creation of a strong, modern, stable and accountable environment and framing of favourable and required incentives and conditions for market transactions as well as measures such as effective adherence to the rule of law to deal with emerging corruptions, conflicts and disagreements across various economic and political structures globally institutions will pave the way for sustainable and economic growth as well as improve the well-being of individuals and societies. Thus, claimed that well-developed financial systems and institutions represented by the rule of law and regulatory quality trigger and drive economic growth and success respectively.

The Relevance of Institutions in the Policy Paradigm

In the field of policy, institutions have similarly been found to depict an outstanding level of importance. In the policy process, the degree of institutional significance is manifested in every stage. In the first stage of the policy cycle (agenda-setting), various institutional players (government, private sector, civil society) come together to frame and recognize the problems and selection of issues that need crucial attention. The formulation, implementation, as well as adoption, monitoring, and evaluation process, likewise requires the commitment, engagement, and contributions of various actors from different sectors (private, government, educational, economic, etc.). Multiple institutional structures contribute their ideas and concerns, structure, implement, and monitor various policy actions and strategies at various levels of our society to ensure effectiveness and transparency and to meet the needs of the citizenry. The rules and frameworks under which these processes happen are made possible by institutions (formal and informal). Specific institutional and policy guidelines are put in place to drive and shape the process. Institutions help to inform participating agencies and actors and foster trust, fairness, innovation, stability, and accountability within the process. These guidelines could be in the form of policy coordination among agencies, communication processes, intra- and inter-organizational relations, policy goals, actions, regulatory processes, etc. Furthermore, the policy process conforms, incorporates, balances, and depends on various formal and informal institutional structures such as regulatory frameworks (national constitution, regulation, Acts, etc.), conventions and agreements as well as social norms, beliefs, and values (cultural, traditional, historical heritage, etc.) for a solid and efficient strategy. Studies have shown that specific institutional arrangements can help improve policy integration through wider political coordination mechanisms.

Institutional structures such as social, cultural, and historical norms are harmonized into various policies to enhance participation and ensure its smooth realization. Institutions draft, shape, and enforce regulations and laws that govern every policy to make sure that people conform to these rules to achieve the objective of the policy. Scholars have highlighted that the effectiveness, realization, and smooth functioning of every policy depend significantly on the institutional structures

and mechanisms at every stage of the policy cycle. For change to manifest in the economic, social, and environmental sectors or processes to promote successful development, the policy process plays an integral part. In particular, the interaction of different actors and institutions shapes the outcome of the whole policy and development process. The institutional mechanism has been ascribed as one of the substantial criteria for assessing the effectiveness and transparency of every policy process. A sound institutional framework ensures a good political system that is capable of designing and implementing policies and programs for the growth of its society.

Indeed, institutions play a vital role in the development and realization of every policy to safeguard the environment and meet the needs of the people and the wider society. However, several studies have unpacked some challenges revolving around the link between institutions and policy development. It has been postulated that ensuring inclusive institutions and the balance and coordination between the formal and informal institutions in the policy framework across regions to achieve an efficient, solid, and functioning strategy is a challenge. There are also uncertainties between institutions, politics and other basic components of economic growth which has made the whole policy process complicated. Difficulties in reducing trade-offs and ensuring synergies among varying/individual policy components and between current and future growth have been challenging for practitioners especially in a complex and widely interconnected governance system. Not only are these choices cumbersome, but policymakers tend to fail to get them right due to institutional complexity and multilevel dynamics. Developed countries like Germany, Denmark, Netherlands and the US have put some sustainable and policy (institutional) integration measures in place to help reduce trade-offs across various policy dimensions across and within sectors and departments to promote synergies, policy harmonization and ensure efficiency. Developed countries have also embraced an inclusive institutional system where the general public is allowed to contribute to policy decision-making which has improved social support and efficient functioning of policy frameworks. However, doing the same in most developing nations has become a daunting challenge due to the extractive nature of their political institutions, lack of political will, corruption, poor technical know-how, ad-hoc planning and inefficient public engagement in decision-making processes. This has resulted in poor social support, ineffective vertical and horizontal policy integration and inefficient functioning of policy frameworks.

Despite these menace, it has been highlighted that developing countries through their signatory to international conventions and agreements, policy learning, research and access to technical supports have been adopting efficient institutional mechanisms that centre around institutional coherence and coordination as well as ensuring the engagement of various parties especially the general public into policy development processes to promote the resilience and effectiveness of policy frameworks. Nevertheless, it has been noted that a lot more needs to be done to achieve its full potential. It has been suggested that institutional efficiency is a long-term process that unfolds over time. Therefore, short-term essential measures could be put in place by policymakers to ensure an integrated policy system (local, national, international, etc.) to be able to come up with strategies that could help deal with the complex and interconnected global

issues. These efforts could focus on quick-win approaches to stimulate the process of further policy reforms.

The Relevance of Institutions in the Environment

In the environmental sphere, institutions have shown a crucial level of significance. Institutions have been recognized to provide the framework through which societies are organized and economic activities regulated and this has been found to have direct implications for environmental outcomes. Institutions such as laws, regulations, property rights and social norms, influence and shape how individuals and organizations interact with the environment. Certain laws and regulations enable institutions to reduce transaction costs linked to economic and environmental performance. The protection, enhancement, support, functioning, promotion of sustainable practices and management of the environment to meet the needs of current and future generations rests on the shoulders of these institutional dimensions. For example, in the economic system, institutions (private, public, formal, informal, etc.) facilitate the exploitation of available environmental resources (ecosystem services) to meet the supply and demand of goods and services needed to improve the welfare of people and communities alike. In the environmental policy field, institutions serve as an essential catalyst for progress. They play an integral role in the development and execution of policies to help manage and govern the environmental systems (water, forestry, biodiversity, etc.). Institutions establish the guidelines and provide frameworks through which effective policies are developed and implemented. They promote diverse environmental ideas, foster coordination among stakeholders, and ensure consistency between policy goals and actions which helps to ignite innovation, trust, transparency, and efficient policies. Institutions such as state and local regulations and laws have been demonstrated to shape the process through which EIA and SEA are conducted to help ensure the fair distribution of power, understand the significant effects on environmental resources, and prevent adverse impacts on environmental receptors.

Again, institutions constrain and empower players and society to confront challenges, embrace opportunities, and advance on the path toward sustainable development. Through conventions, agreements, and principles, global environmental actors and economies are empowered to adopt measures that could help manage, monitor, and drive the sustainable protection of the environment (habitats, species, ecosystems, etc.) and support societal well-being. Clear examples are the Paris Agreement, Kyoto Protocol, Biological Diversity Convention, SDGs, Bonn, Bern, Ramsar Conventions, etc. Collective ownership of both private and public institutions of certain environmental policies plays a crucial role in environmental management and ensures good environmental governance.

More so, the formal institution establishes, implements, and enforces regulations, laws, and rules for sustainable and equitable environmental growth. They regulate the production, consumption, and distribution of environmental goods and prevent any externalities that may arise from market transactions. Institutions such as government and legal systems foster stable, accountable, and transparent environmental governance. These foundations cultivate a sense of inclusion amongst actors, support innovation, and stimulate stewardship necessary for environmental protection and growth. By fostering an environment that promotes inclusive governance, institutions

thus kindle environmental development that benefits both individuals and society. It has been established that institutions provide guidelines for responsible environmental practices and management and promote environmental equity and welfare. For instance, environmental regulations and laws put forward by institutions can establish standards for pollution mitigation, resource management and conservation. These defined laws and regulations help to protect the environment by promoting sustainable practices and imposing limits on harmful activities. They also aid in controlling economic agents' activities and provide incentives for businesses to adopt cleaner technologies and reduce their environmental footprints.

Institutions such as property rights define who has the authority to use and manage natural resources. Clearly and well-defined property rights encourage responsible stewardship of environmental resources and ensure a sustainable environment. Property rights over certain environmental resources are also protected by institutions to ensure equitable and fair distribution of environmental public goods among individuals and across various levels of society, while safeguarding the environment and its resources. Every individual irrespective of their contribution to the production process benefits from these public assets. These goods provide essential services such as provision (sources of food, medicines, energy, etc.), regulation, support, and cultural services needed for the survival and growth of both human and ecological systems. For example, urban gardens, forests, clean water, clean air, and richness of biological species. When individuals or communities have secure property rights, they have an incentive to manage resources sustainably to maximize their long-term benefits.

Institutions emphasize the role of social norms and cultural values in shaping environmental behaviour. The informal and social institutions (traditional and cultural practices) protect the environment through certain customs and values. Norms and values have been recognized to influence how individuals perceive and interact with the environment. Societies that value sustainability and conservation are more likely to adopt environmentally friendly practices and support policies that protect the environment. For example, in some villages in Africa (Ghana), it is against their customs (taboo) for an individual to dump rubbish, urinate into or cause any destruction to water bodies as well as cutting down or killing certain species of plants or animals. Besides, they regulate and drive the production and consumption of certain environmental goods and services. For example in some African nations, farmers and fishermen are also not allowed to operate on certain days of the week or year to allow the environment to replenish itself. Doing so is against social norms and is subject to punishment. All these depict how different institutions contribute to protecting and safeguarding the environment. Several studies have demonstrated the positive relationship between institutions and environmental performance.

However, despite these institutional benefits, the selfish interest and corrupt practices of certain institutional structures and players result in the exploitation of environmental resources at the expense of other resources leading to several damages and destruction to the environment (climate change, flooding, pollution, etc.). That crucial attention should be given to. Corruption has become the centre stage of most studies researching institutional impacts and has been revealed to have an indirect link with economic growth and environmental

efficiency. It has been reinforced that economic institutions in their attempt to achieve optimal growth and market functioning exploit the environment to meet their vested interest which puts pressure on the environment and creates an ecological deficit. This has resulted not only in environmental damages but also in social injustices and further institutional constraints, that negatively affect environmental performance. Note that nations with good institutions are more environmentally friendly and bear less of this adverse outcome than countries with weaker institutions. Several researchers have argued that different countries' agenda priorities, aims and capacities also cause discrepancies in reaching their environmental goals. For instance, countries facing serious economic hardships and a high degree of inequality within their jurisdictions may not prioritize environmental conservation and pollution reduction due to their limited resources. Although several institutional mechanisms (adaptive management, polluter pays all, taxes, coordination, etc.) have been put in place to ensure an optimum solution to this myriad menace, especially in developing economies, it has been argued that a lot needs to be done as the problems continue to persist across different regions. To address this issue and improve environmental performance, it has been demonstrated that ensuring domestic institutional quality is critical. Effective institutions have been recognized to assist nations in reducing the ecological cost of increased economic growth and allow them to protect the environment. Reiterate that institutions are largely responsible for the effectiveness of economic, energy, and environmental frameworks and as such the ability to enforce these frameworks would not be possible without a supportive institution. One way will be to introduce a 'reflexive institution' to learn from past experiences within the Anthropocene and come up with proactive measures to prevent current and future reoccurrences of past and existing problems. Ensuring an effective government, rule of law, political stability, regulatory quality and probity, participation and accountability is also crucial for realizing a sustainable environment. Institutional quality thus has a significant role in enhancing environmental quality even in the absence of economic growth.

CONCLUSION

This study has demonstrated that institutions are undeniably powerful drivers of societal growth and development. By examining their role and importance in the economy, policy, and environment, and their relationship with societal transformation, several interesting revelations and valuable insights were discovered to confront the complex global challenges. The study demonstrates that institutional mechanisms significantly pave the way for social, economic, policy, and environmental progress benefiting individuals, and society and advancing sustainable development. They contribute to the harmonization of agencies, consistency of sectoral policies, and the integration of environmental issues into decision-making processes, thereby preventing unexpected, undesirable, and misunderstood policy outcomes. Institution also facilitate market transactions, coherent policy goals, actions, research, and regulatory processes to guide environmental governance, stimulate progress, and prevent unforeseen damages. While institutions have been acknowledged to drive multiple dimensions of societal development, they also present and exacerbate existing multifaceted challenges across social, economic, policy, and

environmental structures globally, which can undermine the quest for growth. Achieving a resilient, efficient, and solid institutional structure, operation and function has been a challenge across time and space. Neglecting certain institutional mechanisms at the expense of others, bending of rules, and ineffective functioning of regulatory machinery across jurisdictions result in pressing challenges and restrict their efficient operation, performance, and the quest for shared growth. However, the degree of these challenges varies from place to place. Institutional efficacy, challenges, and integrity are thus contextual and time-specific. The study highlights that the efficiency of institutional arrangement in one context may be inefficient in another context. Political capacity, shaped by perception, incentives, and values, is crucial in explaining institutional performance and effectiveness across different contexts.

It is therefore imperative for governments, practitioners, and policymakers navigating the complex landscape of institutional dynamics to understand that realizing the full potential of institutional dimensions is a long-term process that demands the identification of the right mix of formal and informal constructs backed with requisite regulatory instruments, political will, action, and operational resources. Institutions are as robust as the political capacity that shapes them. There is a need for an institutional revolution with the capacity to adopt the right tools and techniques for enhanced economic, social, and environmental outcomes. Harmonizing institutional arrangements within the societal fabric is imperative, given the complex and interlinked nature of societal challenges. Improved integration, political capacity, flexibility, and reduced corruption among various institutions are essential for strengthening societal efficiency and development potential. Acknowledging informal institutions in tandem with formal frameworks in the policy paradigm and societal administration is fundamental. Adopting this holistic approach together with smart institutional reforms will not only help harness the untapped institutional benefits but is critical for confronting the diverse contemporary societal challenges. Moreover, they will help to drive social, economic, and environmental transformation to meet current and future generational needs. There is therefore the need to embrace the power of institutions, unlock their potential for sustainable progress, and strive for a thriving and prosperous society.

REFERENCES

- Acemoglu, D., Johnson, S., & Robinson, J. (2004). *NBER WORKING PAPER SERIES INSTITUTIONS AS THE FUNDAMENTAL CAUSE OF LONG-RUN GROWTH* *Institutions as the Fundamental Cause of Long-Run Growth*. <http://www.nber.org/papers/w10481>
- Acemoglu, D., & Robinson, J. A. (2015). Political Institutions and Comparative Development. *NBER Reporter*, 2, 10–13.
- Anson, Au., (2024). Human Capital, Technological Innovation, and Economic Development. In *The Governance of Economic Development* (pp. 118–143). Routledge. <https://doi.org/10.4324/9781003399001-6>
- Bailey, D. (2024). The comparative political economy of sustainability transitions: Varying obstacles, accelerants and power in national capitalisms. *Environmental Innovation and Societal Transitions*, 51, 100853. <https://doi.org/10.1016/j.eist.2024.100853>
- Cao, Z., & Shi, X. (2021). A systematic literature review of entrepreneurial ecosystems in advanced and emerging economies. *Small Business Economics*, 57(1), 75–110. <https://doi.org/10.1007/s11187-020-00326-y>
- Chadwick, A. (2013). All Media Systems Have Been Hybrid. In *The Hybrid Media System* (Vol. 1). Oxford University Press. <https://doi.org/10.1093/acprof:oso/9780199759477.003.0003>
- Cornia, G. A. (2020). How do Neoclassical Growth Models Behave in Low-income Countries? In *The Macroeconomics of Developing Countries* (pp. 238–246). Oxford University Press. <https://doi.org/10.1093/oso/9780198856672.003.0012>
- Dincecco, M., & Katz, G. (2016). State Capacity and Long-run Economic Performance. *Economic Journal*, 126(590), 189–218. <https://doi.org/10.1111/econj.12161>
- Domorenok, E., & Prontera, A. (2021). Governing by Enabling in Multilevel Systems: Capacity Building and Local Climate Action in the European Union. *Journal of Common Market Studies*, 59(6), 1475–1494. <https://doi.org/10.1111/jcms.13199>
- Frolov, D. (2020). Blockchain and institutional complexity: An extended institutional approach. *Journal of Institutional Economics*, 17(1), 21–36. <https://doi.org/10.1017/S1744137420000272>
- Ghazinoory, S., Narimani, M., & Tatina, S. (2017). Neoclassical versus evolutionary economics in developing countries: convergence of policy implications. *Journal of Evolutionary Economics*, 27(3), 555–583. <https://doi.org/10.1007/s00191-017-0490-z>
- Jensen, H. E. (2019). *The theory of human nature*. In *Evolutionary Economics* Routledge.
- Kamalu, K., & Wan Ibrahim, W. H. B. (2022). International Remittances and Human Development in Developing Countries: A Panel Quantile Regression Via Moment Approach. *Studies of Applied Economics*, 40(1). <https://doi.org/10.25115/eea.v40i1.5577>
- Kaufman, B. E. (2017). THE ORIGINS and THEORETICAL FOUNDATION of ORIGINAL INSTITUTIONAL ECONOMICS RECONSIDERED. *Journal of the History of Economic Thought*, 39(3), 293–322. <https://doi.org/10.1017/S1053837216000304>
- Keohane, N. O., & Olmstead, S. M. (2016). *Markets and the Environment*. Island Press.
- Marinescu, C. (2014). Why institutions matter: From economic development to development economics. *European Review*, 22(3), 469–490. <https://doi.org/10.1017/S1062798714000283>
- Mora, H., Pujol-López, F. A., Mendoza-Tello, J. C., & Morales-Morales, M. R. (2020). An education-based approach for enabling the sustainable development gear. *Computers in Human Behavior*, 107, 105775. <https://doi.org/10.1016/j.chb.2018.11.004>
- North, D. C. (2018). *Institutional change: a framework of analysis*. In *Social rules*.
- Omar, M. A., & Inaba, K. (2020). Does financial inclusion reduce poverty and income inequality in developing countries? A panel data analysis. *Journal of Economic Structures*, 9(1), 37. <https://doi.org/10.1186/s40008-020-00214-4>
- Pae, C. U. (2015). Why systematic review rather than narrative review? *Psychiatry Investigation*, 12(3), 417–419. <https://doi.org/10.4306/pi.2015.12.3.417>

- Pedersen, M. J. (2019). *Situating the role of formal rules and regulations in defining a “default” decision from which frontline workers operate*. <https://doi.org/http://dx.doi.org/10.1257/rct.4051-1.0>
- Pogge, T. (2017). Severe poverty as a human rights violation. *Challenges in International Human Rights Law*, 3, 721–764. <https://doi.org/10.4324/9781315095905>
- Rodríguez-Pose, A. (2013). Do Institutions Matter for Regional Development? *Regional Studies*, 47(7), 1034–1047. <https://doi.org/10.1080/00343404.2012.748978>
- Siddaway, A. P., Wood, A. M., & Hedges, L. V. (2019). How to Do a Systematic Review: A Best Practice Guide for Conducting and Reporting Narrative Reviews, Meta-Analyses, and Meta-Syntheses. *Annual Review of Psychology*, 70(1), 747–770. <https://doi.org/10.1146/annurev-psych-010418-102803>
- Smithers, A. (2019). Investment, the Capital Stock, and Economic Policy. In *Productivity and the Bonus Culture* (pp. 69–72). Oxford University Press. <https://doi.org/10.1093/oso/9780198836117.003.0013>
- Thomas K, C. (2020). 2 Economic Growth and Economic Development. In *Competition Law in Developing Countries*. Oxford University Press. <https://doi.org/10.1093/law-ocl/9780198862697.003.0003>
- Weber, L. (2010). *Neoclassical Growth Theories* (pp. 87–165). https://doi.org/10.1007/978-3-7908-2590-9_3
- Williamson, O. E. (2014). Transaction cost economics: The natural progression. *Nobel Lectures: Economic Sciences: 2006 - 2010*, 223–247. https://doi.org/10.1142/9789814635585_0004